ANTAI

2025

Environmental, Social and Governance (ESG) Report



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About This Report

Report Overview

This report is the third annual Environmental, Social and Governance (ESG) Report (hereinafter referred to as "this Report") issued by Antai Technology Co., Ltd. (hereinafter referred to as "Antaisolar" or "the Company"). It systematically presents the Company's strategies, policies, measures, and achievements in corporate sustainability and social responsibility for the year 2025.

The preparation methodology of this ESG Report remains consistent with that of previous years. Any adjustments that may affect comparability with historical data have been explained in the corresponding sections of this Report. This Report has been reviewed and approved by the Board of Directors of Antai Technology Co., Ltd. and is published in August 2026.

Reporting Period

The reporting period covers information and data from January 1, 2025 to December 31, 2025 (hereinafter referred to as the "Reporting Period"). To enhance comparability and a forward-looking perspective, certain contents are moderately extended to previous and subsequent years.

Report Assurance

Antaisolar has commissioned TÜV Süd (China) Co., Ltd., an external independent assurance provider, to perform independent assurance on this Report and issue an assurance opinion. The independent assurance statement is set out in the Appendix to this Report.

Data Statement

The information and data disclosed in this Report are derived from the Company's statistical reports and official documents, and have been reviewed by the relevant departments. The Company warrants that this Report contains no false records or misleading statements, and assumes responsibility for the authenticity and accuracy of its contents. Unless otherwise noted, all monetary amounts are expressed in RMB.

Preparation Basis

This Report has been prepared primarily in accordance with the GRI Standards (Sustainability Reporting Standards) issued by the Global Sustainability Standards Board (GSSB) and the IFRS S1 – General Requirements for Disclosure of Sustainability-related Financial Information issued by the International Sustainability Standards Board (ISSB), supplemented by reference to the CASS-ESG 5.0 (Chinese Academy of Social Sciences) and the reporting and rating requirements of EcoVadis, S&P CSA, and others. In addition, the Company continues to respond to the United Nations Sustainable Development Goals (SDGs) and the Ten Principles of the UN Global Compact (UNGC), and discloses its progress in responding to these initiatives in this Report.

Reporting Boundary

All other material content covered in this Report pertains to Antai Technology Co., Ltd.. and its subsidiaries.

No.	Company Name (English)	Company Name (Chinese)
1	Antai Technology Co., Ltd.	福建安泰新能源科技有限公司
2	Antai Technology Co., Ltd. Xiamen Branch	福建安泰新能源科技有限公司厦门分公司
3	Antai Technology Co., Ltd. Shanghai Minhang Branch	福建安泰新能源科技有限公司上海闵行分公司
4	Xiamen Newway Energy Technology Co., Ltd.	厦门道新能源科技有限公司
5	Antai Solar Japan Co., Ltd.	安泰新能源日本株式会社
6	ANTAI SOLAR SINGAPORE PTE.LTD.	安泰新能源（新加坡）有限公司
7	ANTAI SOLAR AUSTRALIA PTY LTD.	安泰新能源（澳洲）有限公司
8	ANTAISOLAR INDIA PRIVATE LIMITED	安泰新能源（印度）私人有限公司
9	ANTAI SOLAR NETHERLANDS B.V.	安泰新能源（荷兰）有限公司
10	ANTAI SOLAR AMERICA INC.	安泰新能源（美国）有限公司
11	ANTAI SOLAR SPAIN, S.L.	安泰新能源（西班牙）有限公司
12	Antai Solar Hong Kong Co., Limited	安泰新能源 (香港) 有限公司
13	Antai Solar (Binzhou) Co., Ltd.	安泰新能源（滨州）有限公司
14	Fujian Antai New Energy Investment Co., Ltd.	福建安泰新能源投资有限公司
15	Antai Solar Brazil LTDA	安泰新能源 (巴西) 有限公司
16	PT ANTAI SOLAR INDONESIA	安泰新能源 (印尼) 有限公司

＊References: For ease of presentation, "Antai Technology Co., Ltd. and its subsidiaries" is also referred to in this Report as "Antaisolar", "Antai", "the Company", "we", or "our".

Report Access

This Report is written primarily in Simplified Chinese, with an English translation provided. In case of any discrepancy between the two language versions, the Simplified Chinese version shall prevail.
All information disclosed in this Report has been discussed by the management of Antaisolar and approved by the Board of Directors. It is published in electronic format on the Company’ s official website in August 2026. You may access this Report at **https://www.antaisolar.com/.**
The Company practices a low-carbon and conservation philosophy and does not proactively provide printed copies of this Report. Should you wish to obtain a printed version or have any comments or suggestions regarding this Report, please contact us via email at **mkt@antaisolar.com.**

Message from the CEO

> **Upholding a Green World**
> is not just our mission – it is the direction in which we are steadily advancing.



Jasmine Huang CEO of Antaisolar

In 2025, the competitive logic of the PV industry underwent a profound change.

For me, the most direct signal came from changing customer demands. Over the past year, a growing number of customers have explicitly required carbon footprint data, supply chain traceability documentation, and compliance review files in their inquiries and tenders. This means that the global market's criteria for evaluating PV products are shifting from a two-dimensional competition of "price and quality" to a three-dimensional one of "price, quality, and green value."

For Antaisolar, this is both a challenge and an opportunity.

Manufacturing PV mounting systems with clean energy was a major milestone we achieved in 2025. Throughout the year, our on-site PV power plants generated over 35% of the total electricity consumed at our manufacturing facilities – meaning that for every ton of product we produced, more than one-third of the electricity came from the sunlight on our rooftops. Our two core products – carbon steel and aluminum mounting systems – have obtained ISO 14067 carbon footprint certification, laying the data foundation for responding to new international trade regulations such as the EU Carbon Border Adjustment Mechanism (CBAM).

Technological innovation has always been Antaisolar's cornerstone. In 2025, we continued to increase R&D investment, with our intelligent tracking control system and agrivoltaic solutions deployed in multiple projects both at home and abroad. In product verification, we rigorously benchmarked against international standards through extreme-environment testing – from wind tunnel tests to high-salt-fog simulations, from super typhoon resistance to heavy snow load capacity – and every product undergoes stringent reliability verification before leaving our factory. This is because we understand that the service life of PV mounting systems directly affects the safe operation of power plants and our customers' long-term returns.

With the implementation of EU supply chain regulations – in December 2025, the Forced Labour Regulation entered full effect, shifting the burden of proof to companies – I make this commitment: Antaisolar will strive to build a transparent, responsible, and verifiable supply chain. We must not only ensure that our products themselves are green and reliable, but also that every kilogram of raw material behind them – from aluminum to steel – meets our firm commitments on human rights and the environment. This is our baseline, not an option.

The health and safety of our employees is the company's most fundamental responsibility. In 2025, we continued to strengthen our safety management system, steadily advancing toward our ultimate goal of "zero harm," and making Antaisolar a platform where every employee can build their career with confidence.

Looking ahead to 2026, we will continue to be guided by the RAISE strategy, focusing on three priorities: First, achieving full carbon footprint certification coverage for our core products, equipping us with more robust data to meet international green trade requirements; second, continuing to increase the share of clean electricity in our operations, making low-carbon manufacturing one of Antaisolar's core competitive strengths; and third, deepening human rights and environmental due diligence across our supply chain, working with partners to raise industry-wide ESG standards.

Upholding a Green World is not just our mission – it is the direction in which we are steadily advancing. I look forward to co-creating a sustainable tomorrow with all our stakeholders.



CEO of Antaisolar

ABOUT ANTAISOLAR

Company Overview

Founded in 2006, Antai Technology Co., Ltd. (Antaisolar) has been deeply engaged in clean energy innovation for two decades with the mission and vision of "Upholding a Green World." The Company ranks among the Global Top 500 New Energy Enterprises. [1]

It is rooted in the entire photovoltaic mounting system value chain, focusing on the R&D, manufacturing, and sales of solar mounting systems. Leveraging three core technology pillars – materials R&D, intelligent control algorithms, and mechanical & computational analysis – Antaisolar offers a full-material, full-category solution portfolio covering fixed-tilt mounting systems, smart tracking systems, and Building-Integrated Photovoltaics (BIPV).

With its digital and intelligent PV technology foundation, Antaisolar continues to expand into diverse renewable energy applications, while pursuing two strategic objectives: to become a globally leading digital-intelligent PV mounting system and solution provider, and to grow into a world-class integrated clean energy solution provider. For the global market, we consistently deliver efficient, stable, and highly adaptable PV mounting products and system services, empowering energy projects with hard-core green technology, steadily facilitating the green and low-carbon transition of the global energy structure, and lighting up the future of global sustainable development with PV power.

Antaisolar continuously internationalizes its operational standards. As of the end of the Reporting Period, all stable production [2] bases have obtained **ISO 9001 (Quality Management), ISO 14001 (Environmental Management), ISO 45001 (Occupational Health and Safety), and ISO 50001 (Energy Management) certifications**, providing a solid institutional foundation for the Company's sustainable development.

Our Honors — 2025

S&P Global Commodity Insights

TOP6
Asia-Pacific - S&P Global Energy

TOP9
Global Tracker Shipments

Wood Mackenzie
TOP5
Global Tracker Comprehensive Ranking

Wood Mackenzie
Global **A** Level Supplier - Wood Mackenzie

- Outstanding PV Mounting System Enterprise — Organizing Committee of the 12th China International New Photovoltaic Innovation Development Conference
- 2025 China PV Tracking System Technology Innovation Enterprise — China Solar Power Tracking System Alliance
- Top 10 PV Mounting Brands — State Energy Research Institute
- Outstanding Member Unit — Jiangsu Renewable Energy Industry Association
- SUSTAINABILITY EXCELLENCE AWARD — INFORMA MARKETS [3]
- 2025 Annual China Distributed PV Contribution Enterprise — Green Energy Industry Development Promotion Association
- Global New Energy Brand Top 10 (Mounting & Material Brands) — GGEIC、NEIAAP、APVIA [4]

1 The "2025 Global Top 500 New Energy Enterprises" list was jointly launched by China Energy News and the China Energy Economics Research Institute, and the award was received on September 27.

2 The "stable production base" refers to Antai New Energy's Zhangzhou production base in Fujian, i.e., Antai Technology Co., Ltd..

3 INFORMA MARKETS LIMITED.

4 Global Green Energy Council (GGECI), Asia-Pacific New Energy Industry Association (NEIAAP), and Asian Photovoltaic Industry Association (APVIA).

Business Layout

Antaisolar has built a global business system, offering full-material, full-function, and full-chain products and system solutions for fixed-tilt PV mounting, tracking systems, and BIPV.

Leveraging an international strategic layout, the Company has established subsidiaries, branches, and offices in China (Shanghai), Hong Kong, Australia, Japan, the United States, India, the Netherlands, Spain, Singapore, and other countries and regions, with a business network covering the globe. It has built six manufacturing bases in Fujian, Jiangsu, Tianjin, Shandong, Indonesia, and India, achieving integrated R&D, manufacturing, delivery, and service support, with localized production capacity ensuring efficient supply and rapid response.

Focusing on three core business areas, the Company drives value enhancement through technological innovation: smart tracking systems integrate advanced hardware, software, and intelligent algorithms with high-strength structural design, significantly improving solar utilization and power generation efficiency while reducing Levelized Cost of Energy (LCOE), and offering one-stop services from design, financing, construction, to O&M; BIPV solutions use all-aluminum lightweight designs that balance power generation and architectural aesthetics, with advantages in easy installation, wind and water resistance, and low maintenance, perfectly suited for modern green buildings; distributed PV mounting systems are highly flexible and scene-adaptable, stably supporting various distributed projects to ensure long-term efficient and reliable operation.

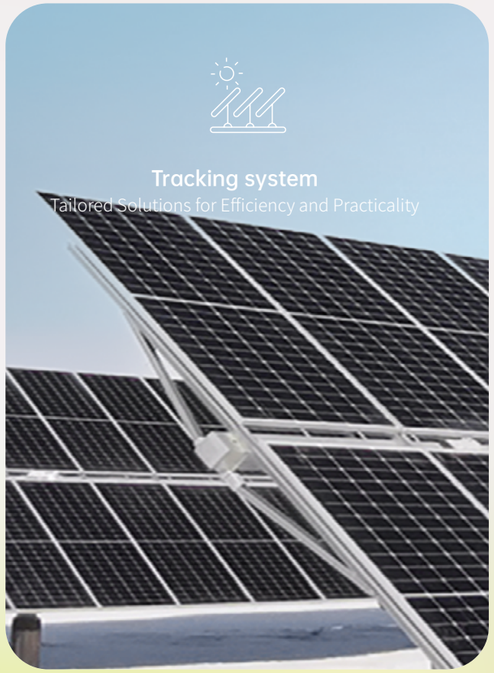
Total cumulative global PV mounting shipments reached

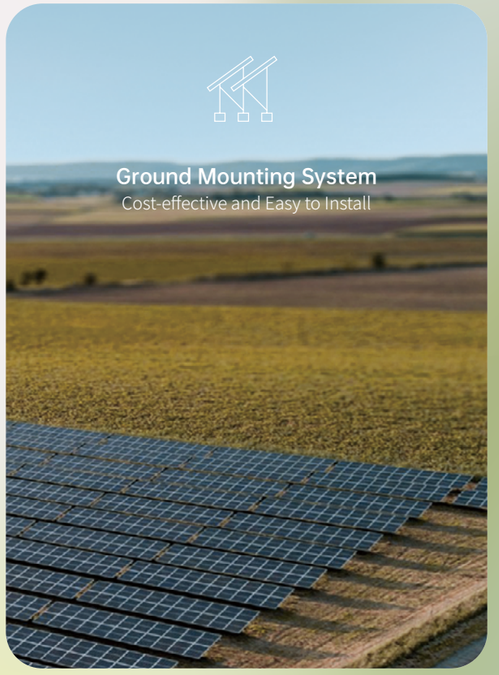
50.1 GW (As of 2025)

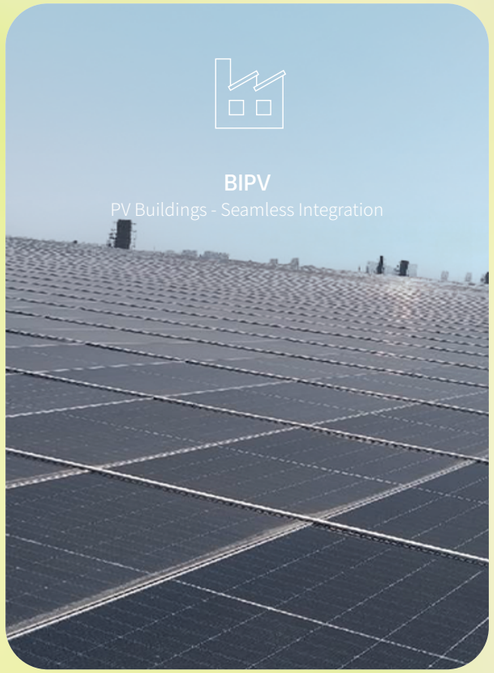
Market leadership in multiple regions

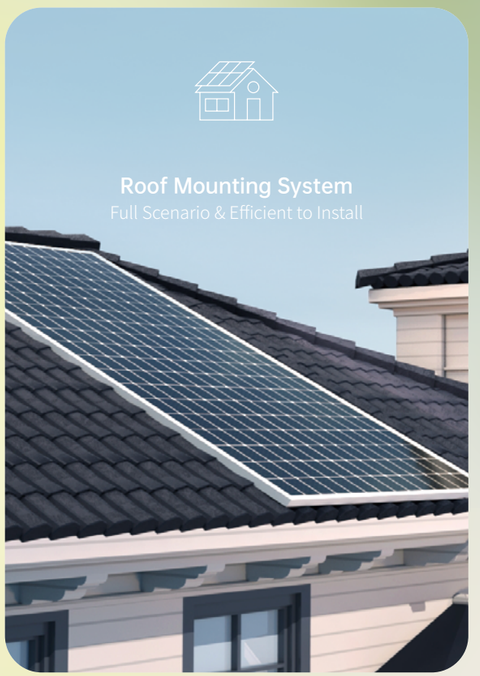
- Japan
- Australia
- Southeast Asia

For PV projects worldwide, Antaisolar is customer-centric, leveraging its global presence, robust technical strength, and full-cycle quality service to provide high-performance, full-coverage PV mounting solutions that help projects achieve optimal power generation returns and long-term stable value.



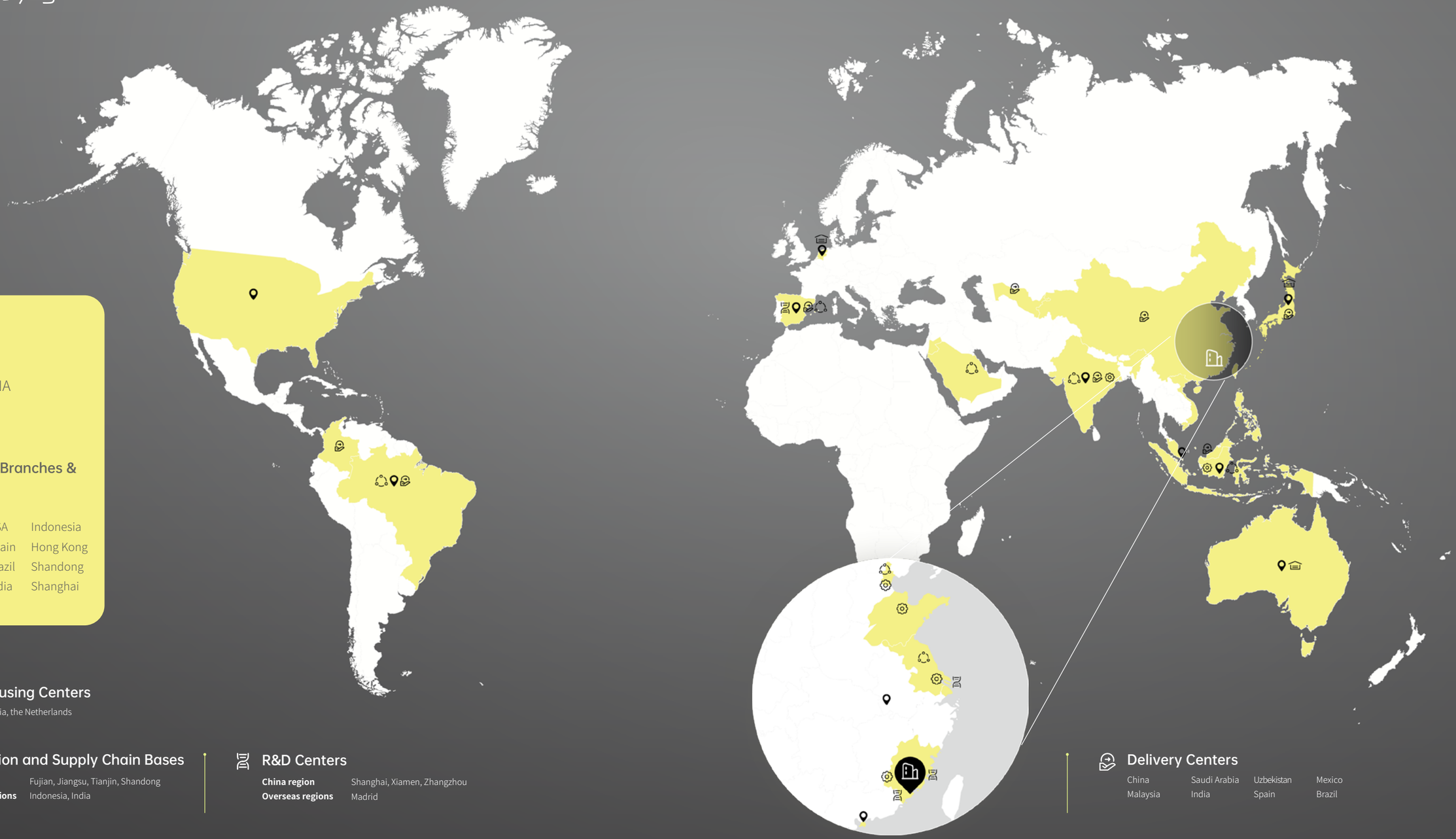






安泰新能源解决方案

业务布局



总部

XIAMEN · CHINA

Subsidiaries/Branches & Offices

Singapore	USA	Indonesia
Australia	Spain	Hong Kong
Japan	Brazil	Shandong
Netherlands	India	Shanghai

Warehousing Centers

Japan, Australia, the Netherlands

Production and Supply Chain Bases

China region Fujian, Jiangsu, Tianjin, Shandong
Overseas regions Indonesia, India

R&D Centers

China region Shanghai, Xiamen, Zhangzhou
Overseas regions Madrid

Delivery Centers

China Saudi Arabia Uzbekistan Mexico
Malaysia India Spain Brazil

Sustainable Development Goals

	2025 Target	2025 Progress
Carbon goals	Achieve operational carbon neutrality	Achieved constructed and put into operation **5,534kWp** Annual power generation **4,641,057 kWh** Self-consumption **2,036,055kWh**
Energy structure	renewable electricity utilization **15%**	renewable electricity utilization **15.54%**
Utilization rate of recycled materials	Aluminum scrap **30%** Steel scrap **20%**	Aluminum scrap **18.5%** Steel scrap **20%**
Reuse rate for heavy metal reclaimed water	**50%**	**50%**
Utilization rate of recyclable packaging materials	**80%**	**95.5%** exceeded the target for this year
Utilization rate of electric vehicles in factory operations	**70%**	**86.44%** exceeded the target for this year

Note on Environmental Target Adjustments

In 2025, Antaisolar upgraded its environmental targets to align with the "15th Five-Year Plan" and international ESG standards. Building on 2024 over-achievements — 95.5% recyclable packaging and 86.44% new energy vehicle usage — we consolidated scattered indicators into a structured carbon neutrality roadmap with clear phased goals (operational, production-end, and Scope 1 carbon neutrality). This is a strategic upgrade from static commitment to dynamic management, ensuring targets remain ambitious, science-based, and verifiable.

	2028 Target	2030 Target	2035 Target
Carbon goals	/	Scope 1 emissions **50%** carbon neutrality	Achieve Scope 1 carbon neutrality
Energy structure	renewable electricity utilization **30%**	renewable electricity utilization **50%**	
Utilization rate of recycled materials	Aluminum scrap **50%** Steel scrap **30%**	Aluminum scrap **60%** Steel scrap **40%**	
Reuse rate for heavy metal reclaimed water	**60%**	**70%**	
Utilization rate of recyclable packaging materials	**90%** exceeded the target for this year	**90%** exceeded the target for this year	
Utilization rate of electric vehicles in factory operations	**90%**	**90%**	

* Operational carbon neutrality is defined as the achievement of 100% carbon neutrality in office and administrative operating environment, encompassing energy consumption at office premises and carbon emissions related to administrative activities.

Key Performance in 2025

Robustness

Integrity training covering all departments

4 sessions

Integrity training participants:

approx **300**

Inclusiveness

Training investment

RMB **40.29**

Total training participants

3411

Average training hours per employee

28 hours

All stable production bases obtained

ISO 45001

certification

Advancement

Carbon steel product yield

98.62%

Ground screw pass rate

98.62%

All stable production bases obtained

ISO 9001

certification

Customer satisfaction

93.7 points

Total quality & safety training sessions

48

Cumulative valid patents

124

R&D investment

RMB **56.695** million

Symbiosis

All stable production bases obtained

ISO 14001

certification

All stable production bases obtained

ISO 50001

certification

Self-generated green PV electricity

4,641,057 kWh

Waste gas emission compliance rate

100%

Aluminum scrap recycling rate

93.78%

Engagement

Established a systematic supplier full-cycle management mechanism

Supply chain integrity agreement signing rate

100%

Collaborating with **JA Solar**, **Tongwei**, and other manufacturers to drive global energy industry development

Cooperating with **Universidad Politécnica de Madrid, Shijiazhuang Tiedao University, CENER**, and other institutions to explore market demands and technological innovation directions

RAISE

With the corporate mission of “Upholding a Green World – Raise A Green World”, Antaisolar has built a sustainable development strategic framework centered on RAISE, grouping key material topics into five strategic pillars

Enhancing ESG Management

to Drive Sustainable and Long-Term Growth

Antaisolar has elevated sustainable development to a core long-term strategy, embedding a robust ESG management system to support its globally expanding low-carbon business.

The Company regularly monitors key ESG performance indicators, proactively identifies and mitigates potential operational and environmental risks across the value chain, and continuously builds normalized communication and collaboration mechanisms with stakeholders worldwide.
To ensure efficient implementation of ESG initiatives, the Company has established a top-down governance structure with clearly defined tiered sustainability management objectives, forming a closed-loop system that is actionable, reviewable, and optimizable. We integrate sustainability requirements into every business segment – R&D, production, global delivery, and project O&M – leveraging our core PV technology and global production capacity to deliver green and efficient solar solutions, contributing to the global energy transition and fostering a long-term sustainable ecosystem of mutual benefit.

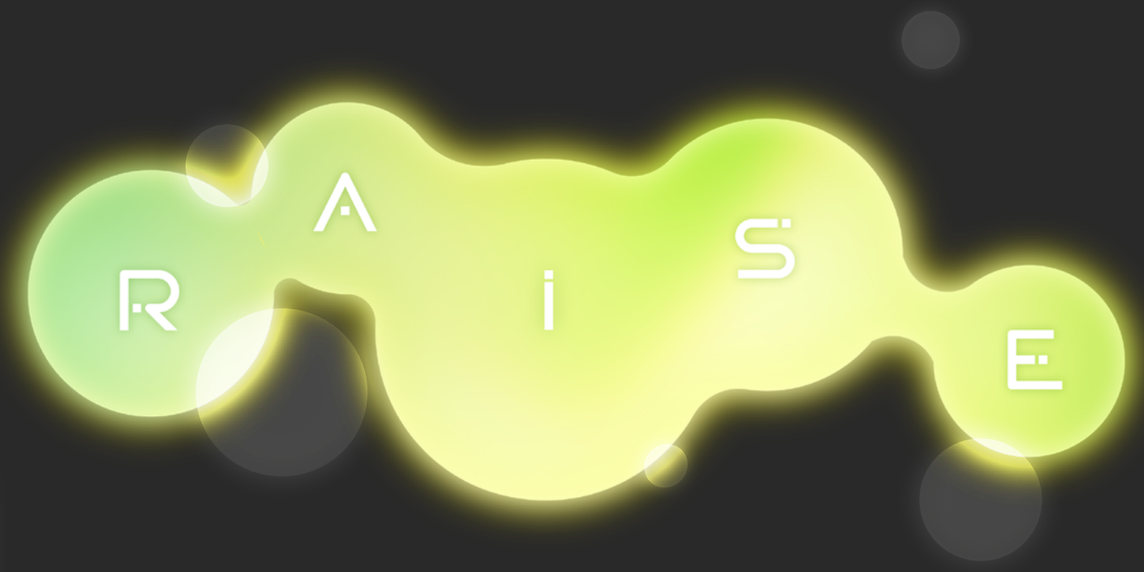
Strategic Framework: Continuity and Evolution

In 2023, Antaisolar first proposed the "RAISE" sustainable development strategic framework, consolidating key material topics into five pillars:

- ROBUSTNESS
- ADVANCEMENT
- INCLUSIVENESS
- SYMBIOSIS
- ENGAGEMENT

In 2025, the external environment for the global PV industry underwent significant changes: the EU Forced Labour Regulation was fully enforced, imposing statutory market access requirements on supply chain human rights due diligence; the EU Carbon Border Adjustment Mechanism (CBAM) continued to advance, with customer demands for product carbon footprint data transitioning from a "bonus" to "bid threshold"; and the rapid development of AI technologies posed new challenges to data governance and algorithm ethics.

In response, Antaisolar maintained the stability of the RAISE framework while refreshing risk identification, opportunity assessment, and action plans under each pillar to focus more sharply on supply chain compliance, carbon data management, and core competitiveness protection. The refreshed strategy is validated through the double materiality assessment presented in subsequent chapters.



"RAISE" sustainable development strategic framework

Robustness

SDG 9 Industry, Innovation and Infrastructure
SDG 12 Responsible Consumption and Production
SDG 16 Peace, Justice and Strong Institutions

Advancement

SDG 9 Industry, Innovation and Infrastructure
SDG 12 Responsible Consumption and Production

Inclusiveness

SDG 3 Good Health and Well-being
SDG 4 Quality Education
SDG 5 Gender Equality
SDG 8 Decent Work and Economic Growth
SDG 10 Reduced Inequalities

Symbiosis

SDG 6 Clean Water and Sanitation
SDG 7 Affordable and Clean Energy
SDG 12 Responsible Consumption and Production
SDG 13 Climate Action
SDG 14 Life Below Water
SDG 15 Life on Land

Engagement

SDG 8 Decent Work and Economic Growth
SDG 9 Industry, Innovation and Infrastructure
SDG 11 Sustainable Cities and Communities
SDG 12 Responsible Consumption and Production
SDG 16 Peace, Justice and Strong Institutions
SDG 17 Partnerships for the Goals

ESG Governance



ESG Governance Structure

Antaisolar has always adhered to the concept of sustainable development as the foundation of long-term value creation. The Company continuously builds and iterates its ESG governance system, embedding environmental, social, and governance principles into all aspects of production, strategic implementation, and daily management. The Board and management are increasingly involved in ESG oversight, steadily improving the quality of sustainability management. While creating economic value, the Company actively fulfills environmental and social responsibilities, achieving synergistic benefits for the enterprise, society, and ecology.

As of the date of this Report, Antaisolar is steadily advancing its joint-stock reform. The Company has **formally established a Board of Directors, a Strategy and Sustainability Committee, and an ESG Working Group**, all of which were operational during 2025. Based on this organizational foundation, the Company has gradually built a three-tier ESG governance structure: "**Board-level strategic decision-making → Special Committee-level management oversight → Working Group-level operational execution.**" This evolving governance system will enhance ESG management standards and help build shared sustainable value with stakeholders. Future governance improvements will be disclosed in subsequent ESG reports.

Under this structure, the Board serves as the highest decision-making and accountability body for ESG, responsible for strategic planning, review of material issues, and overall supervision. The Strategy and Sustainability Committee (under establishment) is the core specialized body for ESG management, responsible for system development, medium- and long-term target setting, and routine oversight, reporting regularly to the Board to form a closed-loop of "**decision-making → execution → supervision → optimization**."

The Committee will conduct regular reviews of ESG performance, identify emerging sustainability issues, and continuously optimize management mechanisms. In 2025, the Committee reviewed the annual ESG report, double materiality assessment results, and topic prioritization, ensuring strategic accuracy and resource allocation. The ESG Working Group maintains close collaboration with business departments to drive implementation across functions.

Board of Directors

Assess ESG-related risk factors and evaluate their materiality

Review and approve the Company's long-term sustainability strategy and specific performance targets

Monitor and evaluate the operation of the ESG management system, performance outcomes, and progress toward strategic goals on a regular basis

Review and authorize the disclosure content and format of sustainability-related information released externally

Review and approve the Company's public disclosures on ESG-related matters

Strategic and Sustainability Committee

Systematically identify and assess ESG risks faced by the Company and evaluate their materiality

Evaluate and formulate the Company's long-term sustainability strategy and specific performance targets

Continuously monitor and review the effectiveness of the ESG management system; audit policy implementation and supervise progress toward goals

Review and assess the quality of the Company's sustainability disclosures

Carry out other sustainability-related tasks as assigned by the Board of Directors

ESG Working Group

Support the Committee in refining the ESG governance framework and developing policies and implementation plans aligned with the Company's sustainability strategy

Promote the implementation of the ESG management system and drive continuous improvement in ESG performance

Coordinate and manage the ESG information disclosure process

Carry out other sustainability-related tasks assigned by the Committee

Identify and address ESG risk points in the Company's day-to-day operations

Strengthen coordination and collaboration with relevant departments, subsidiaries and branches to ensure effective ESG implementation company-wide

Be responsible for **ESG data collection, analysis, and report preparation** to ensure the quality and compliance of disclosure content

Handle other ESG-related matters as needed

ESG Governance Structure

ESG Management

As a key part of sustainability management, Antaisolar follows the core principle of double materiality under the GRI Standards and references ISSB's IFRS S1. In 2025, the Company comprehensively upgraded its ESG management process, establishing a four-step closed-loop: "Annual Scan → Topic Pool Refresh → Double Materiality Assessment → Strategic Calibration."

For the first time this year, we used two separate questionnaires:

"impact materiality" and "financial materiality"

one for impact materiality (publicly distributed to all stakeholders, evaluating the impact of Antaisolar's activities on the economy, society, and environment across 19 topics) and one for financial materiality (distributed to Board members, senior executives, and core management, assessing the potential financial impact if topics were not properly managed over a 3 to 5 year horizon). The results were cross-analyzed to position topics in different quadrants and identify double-material topics. The results were reviewed and approved by the Board and management.

Step 1
Annual Scan

In Q4 each year, the ESG Working Group, together with Legal, Procurement, R&D, EHS, and other departments, systematically scans major changes in the external environment over the past year:

Regulatory changes

Track ESG-related regulatory updates in the EU, China, and other key operating regions. In 2025, we focused on the EU Forced Labour Regulation (effective December 2024), the progress of CSDDD, and the potential impact of CBAM on the PV mounting industry.

Customer requirements

Review ESG audit questionnaires and on-site audit requirements from core European customers over the past 12 months, identifying changes in customer attention to supply chain traceability, product carbon footprints, and human rights due diligence.

Peer benchmarking

Refer to ESG reports of leading PV companies to analyze changes in their topic frameworks and disclosure depth,identifying best practice trends.

Rating feedback

Review Antaisolar's scores and weaknesses in external ratings such as EcoVadis, particularly in "Sustainable Procurement" and "Carbon Management," to identify management gaps.

Internal strategy

Combine business expansion (e.g., Binzhou carbon steel project launch, new overseas subsidiaries) and the annual review of the RAISE strategy to identify new ESG management needs.

Step 2
Topic Pool Refresh

Based on the results of the annual scanning, the ESG team conducted a systematic review and refresh of the existing issue pool. The refresh followed three principles:

Split and Refine

When an original issue was too broad to effectively guide management actions, it was split into more focused standalone issues. For example, the former "Sustainable Supply Chain" was divided into "Supply Chain Due Diligence Management" and "Responsible Minerals and Critical Raw Materials Management" to distinguish the different management logics and regulatory requirements between general compliance and raw material compliance.

Add New Issues

When significant changes in the external environment emerged, or when stakeholders raised new and widespread concerns that were not covered by the existing issue pool, new issues were added to fill the gaps. For instance, "Digital Traceability and AI Governance" was newly added to address the challenges of digital supply chain construction, and "Clean Technology Opportunities and Green Products" was introduced to proactively demonstrate the positive green value of our core products.

Merge and Upgrade

When two or more issues were highly interrelated in management practice, or needed to be elevated to a higher strategic level, they were merged or upgraded. For example, "Innovation-Driven" and "Intellectual Property Protection" were merged into "Innovation-Driven and Intellectual Property Protection" to highlight the strategic importance of core algorithms and patents as Antai's key assets. Meanwhile, "Equality and Inclusion" was upgraded to"Diversity, Equity and Inclusion (DEI)"to align with international standards.

four-step closed-loop

Step 3
Double Materiality Assessment

Based on the refreshed topic pool, the Company conducted two parallel surveys. Results were cross-analyzed to produce the materiality matrix.

Impact Materiality Assessment

We analyzed the activities along our value chain and their impact on the economy, society, and environment across 19 topics, creating a public questionnaire. We received 151 valid responses from six stakeholder groups: shareholders/investors, customers / developers, suppliers / contractors, government/regulators, industry associations / media, and community / public. Impact was measured by scale, scope, and irremediability (low / medium / high).

Financial Materiality Assessment

We identified risks and opportunities related to ESG topics and invited 22 management representatives (from the Board, senior management, and core business departments) to assess financial materiality in terms of "likelihood of financial impact" and "magnitude of financial impact" over the short, medium, and long term, using a five-point scale.

Step 4
Strategic Calibration

Based on the outcomes of the impact materiality and financial materiality assessments, and subsequent to internal management deliberations, external expert consultations, and iterative substantiation and refinement, the Company established materiality thresholds in accordance with its current ESG management resources and developmental stage. A materiality matrix was thereby developed, and the double-materiality assessment findings were submitted to the Board's Strategy and Sustainability Committee for review. The material issues thus identified will be subject to prioritized disclosure in this report.

Priority Confirmation of Issues

Through a cross-referenced analysis of impact materiality and financial materiality, six double-materiality issues have been identified for the reporting year: Product Quality and Safety throughout the Full Lifecycle, Innovation-Driven and Intellectual Property Protection, Supply Chain Due Diligence Management, Occupational Health and Safety, Customer Service and Responsible Marketing, and Clean Technology Opportunities and Green Products. Among these, Product Quality and Safety throughout the Full Lifecycle ranks highest in financial materiality, followed closely by Innovation-Driven and Intellectual Property Protection. These issues will be accorded the highest disclosure priority, with dedicated chapters providing in-depth elaboration.

Strategic Assumption Validation

The assessment results substantiate the strategic assessments formulated during the annual scanning phase with respect to the two core risk areas—namely, supply chain compliance and product quality. Supply Chain Due Diligence Management demonstrates pronounced impact materiality, whereas Product Quality and Safety throughout the Full Lifecycle secures the top position in financial materiality. Both issues remain firmly positioned within the double-materiality quadrant, thereby validating the Company's strategic orientation toward prioritising supply chain compliance and product quality. Concurrently, three issues—Innovation-Driven and Intellectual Property Protection, Customer Service and Responsible Marketing, and Clean Technology Opportunities and Green Products—have entered the double-materiality quadrant for the first time. This shift reflects heightened expectations from overseas stakeholders concerning technology patent protection, service delivery quality, and the value proposition of clean technologies, indicating that the Company needs to concurrently enhance management maturity in these domain domains as it advances its globalisation agenda.

Resource Allocation Guidance

On the basis of the established issue priorities, the Company will guide the allocation of ESG budgets and human resources across all departments for the forthcoming year.s as it advances its globalisation agenda.

four-step process

Closed-Loop Management

Antaisolar's ESG management process is a continuously iterating closed loop

The annual scan in Q4 re-examines external changes, evaluates the effectiveness of previous strategic decisions, and initiates the next round of refresh and assessment. This ensures that the ESG strategy remains responsive and accurately guides internal management.



four-step process

2025 Topic Refresh Results

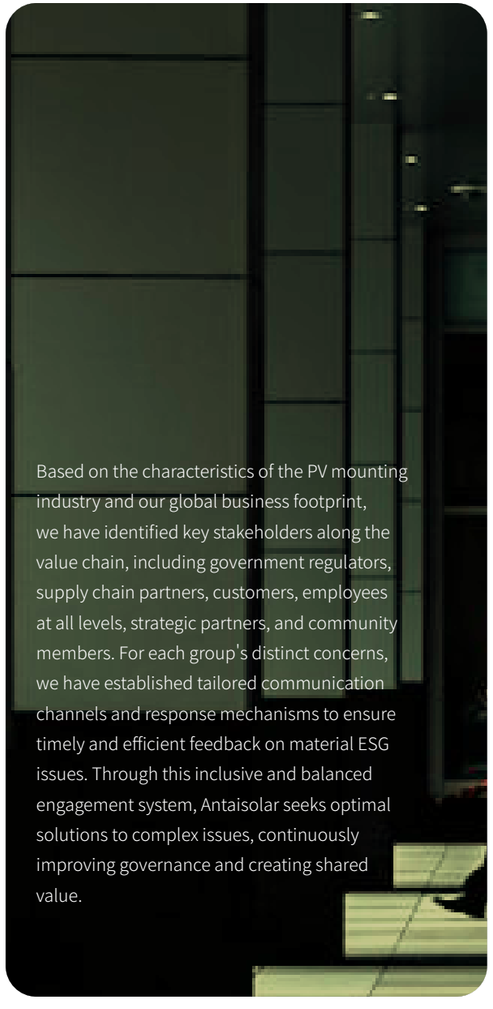
Through the four-step process, Antaisolar's 2025 topic pool was refined from 24 topics in 2024 to 19 topics. Changes are as follows:

Change Type	024 Issues	2025 Issues	Reasons for Update
Split and Refined	Sustainable Supply Chain	**E1** Supply Chain Due Diligence	The EU Regulation on Prohibiting Forced Labour Products elevates supply chain compliance from "corporate social responsibility" to a "statutory market access condition", requiring independent management.
		E2 Responsible Minerals & Critical Raw Materials Management	The supply chain resilience of critical raw materials such as aluminum and steel, as well as supplier ESG compliance management, are becoming increasingly prominent, necessitating separation from "Sustainable Supply Chain" into independent issues for refined management.
Newly Added	(/)	**R4** Digital Traceability and AI Governance	Full-chain traceability of the supply chain relies on digital infrastructure support, and the reliability of intelligent tracking algorithms is directly linked to the operational safety of photovoltaic power stations, thus needing to be included in the ESG management framework.
		S5 Clean Technology Opportunities & Green Products	Proactively demonstrate the positive green value of core products, shifting ESG from a cost perspective to a value perspective.
Merged and Upgraded	R&D and Innovation	**A1** Innovation-Driven & IP Protection	Core algorithms and patents are Antai's strategic assets, and the two are highly interrelated in management.
	Diversity, Equality and Inclusion	**I2** Diversity, Equity & Inclusion (DEI)	Align with international standard terminology, covering global issues such as gender equality, cross-cultural integration, and anti-discrimination.

The assessment and management framework for the remaining topics remain consistent with 2024 to ensure data continuity and comparability.

Stakeholder Engagement

Effective stakeholder engagement is the foundation of Antaisolar's sustainability management.
We actively build diversified communication channels, systematically incorporating external expectations into our ESG strategy, and are committed to transparent, trust-based long-term partnerships.

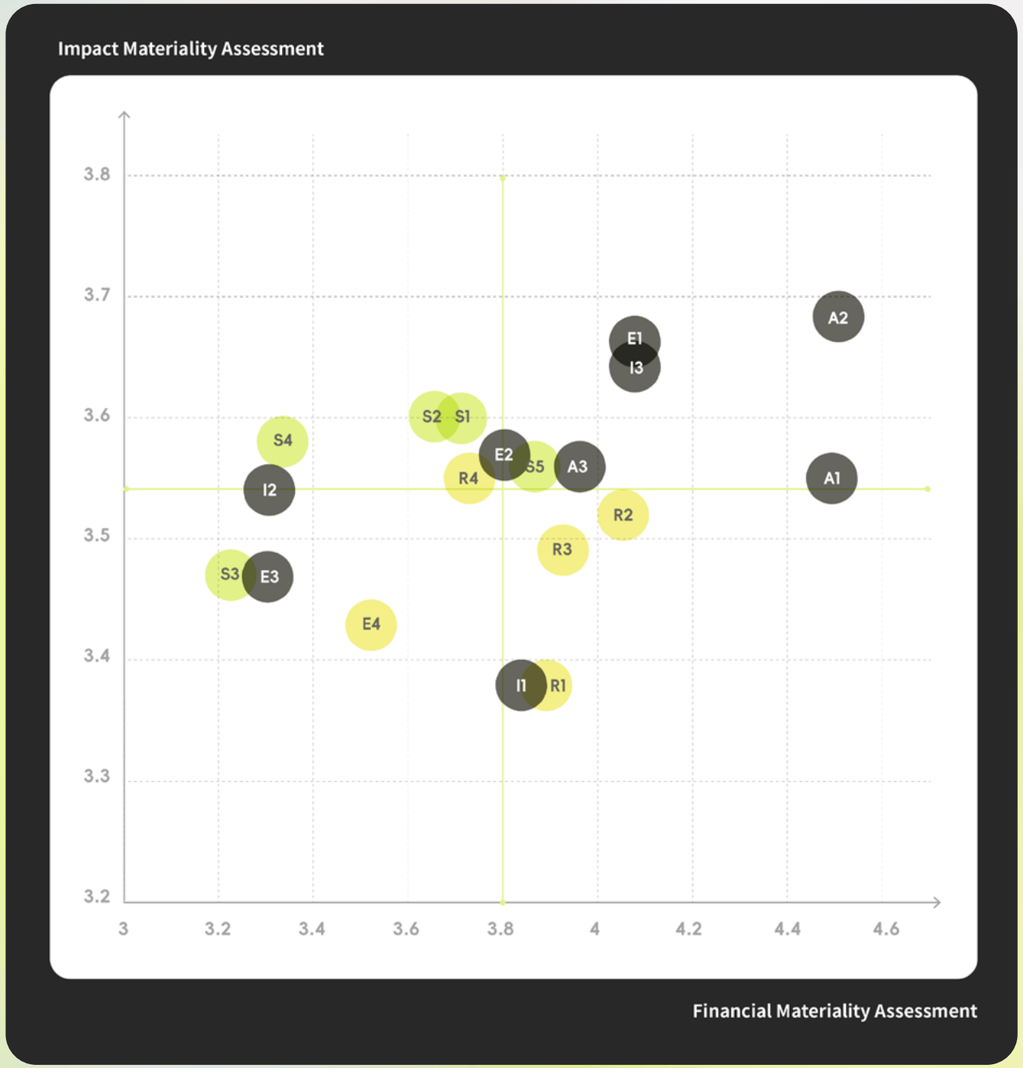


Based on the characteristics of the PV mounting industry and our global business footprint, we have identified key stakeholders along the value chain, including government regulators, supply chain partners, customers, employees at all levels, strategic partners, and community members. For each group's distinct concerns, we have established tailored communication channels and response mechanisms to ensure timely and efficient feedback on material ESG issues. Through this inclusive and balanced engagement system, Antaisolar seeks optimal solutions to complex issues, continuously improving governance and creating shared value.

Key Stakeholder	Key Concerns		Main Communication Channels
Government & Regulators	Corporate Governance & ESG Integration (R1) Business Ethics & Anti-Corruption (R2) Climate Change & Carbon Management (S1)	Waste Management & Circular Economy (S2) Occupational Health & Safety (I3)	Policy briefings & reporting; compliance disclosures; government-business meetings; inspection readiness
Shareholders & Investors	Corporate Governance & ESG Integration (R1) Business Ethics & Anti-Corruption (R2) Climate Change & Carbon Management(S1)	Product Lifecycle Quality & Safety (A2) Supply Chain Due Diligence (E1)	Annual general meetings; earnings calls; investor roadshows; periodic reports
Customers	Product Lifecycle Quality & Safety (A2) Climate Change & Carbon Management (S1) Supply Chain Due Diligence (E1)	Innovation-Driven & IP Protection (A1) Customer Service & Responsible Marketing (A3)	Customer satisfaction surveys; technical exchanges; industry exhibitions; ESG audits & questionnaire responses; customer service hotline
Suppliers & Contractors	Supply Chain Due Diligence (E1) Responsible Minerals & Critical Raw Materials (E2) Business Ethics & Anti-Corruption (R2)	Climate Change & Carbon Management (S1) Industry Cooperation & Standards (E4)	Supplier conferences; ESG training & empowerment; on-site audits; supply chain collaboration platform; integrity agreement signing
Employees	Talent Attraction, Development & Retention (I2) Diversity, Equity & Inclusion (I2) Occupational Health & Safety (I3)	Business Ethics & Anti-Corruption (R2) Corporate Governance & ESG Integration(R1)	Workers' congress; employee satisfaction surveys; internal training platform; CEO mailbox; union channels
Industry Associations & Academic Institutions	Innovation-Driven & IP Protection (A1) Industry Cooperation & Standards (E4) Clean Technology Opportunities & Green Products (S5)	Climate Change & Carbon Management (S1)	Industry forums & seminars; standard-setting working groups; industry-university-research projects; association membership activities
Community & Public	Local Community Relations & Social License (E3) Biodiversity Protection (S4) Water Management (S3)	Climate Change & Carbon Managemen (S1) Occupational Health & Safety (I3)	Community forums; open days; charitable activities; environmental information disclosure; community grievance mechanism
Media & NGOs	Climate Change & Carbon Management (S1) Supply Chain Due Diligence (E1) Biodiversity Protection (S4)	Business Ethics & Anti-Corruption (R2) Clean Technology Opportunities & Green Products (S5)	Press releases & media interviews; public ESG report release; social media outreach; NGO cooperation

Materiality Analysis

The 2025 double materiality matrix is as follows:



Double Materiality Assessment Matrix

● indicates double-materiality topics

Enironment

- S1 Climate Change & Carbon Management
- S2 Waste Management & Circular Economy
- S3 Water Management
- S4 Biodiversity Protection
- S5 Clean Technology Opportunities & Green Products

Social

- A1 Innovation-Driven & IP Protection
- A2 Product Lifecycle Quality & Safety
- A3 Customer Service & Responsible Marketing
- I1 Talent Attraction, Development & Retention
- I2 Diversity, Equity & Inclusion (DEI)
- I3 Occupational Health & Safety
- E1 Supply Chain Due Diligence
- E2 Responsible Minerals & Critical Raw Materials
- E3 Local Community Relations & Social License

Governance

- R1 Corporate Governance & ESG Integration
- R2 Business Ethics & Anti-Corruption
- R3 Information Security & Privacy Protection
- R4 Digital Traceability & AI Governance
- E4 Industry Cooperation & Standards

The assessment identified：

Six topics that are both financially and impact-material.

Product Lifecycle Quality and Safety, Innovation-Driven Development and IP Protection, Supply Chain Due Diligence, Occupational Health and Safety, Customer Service and Responsible Marketing, and Clean Technology Opportunities and Green Products.

The remaining 13 topics are either impact-material or financially-material only.

Given the global sustainability context and the RAISE strategy, these six topics will have a material impact on the Company's total assets, liabilities, and net profit attributable to parent company shareholders during and after the Reporting Period. We are gradually exploring ways to quantify financial impacts and will disclose them in the respective RAISE pillar chapters.

ESG Risk Management

Product Lifecycle Quality & Safety

Impact, Risk & Opportunity	Description	Value Chain Scope	Time Horizon
Positive Impact	Superior product quality ensures long-term structural reliability, extends service life, reduces customer O&M costs and resource consumption, and supports stable power plant operation.	Downstream	Long-term
Negative Impact	Major quality failures under extreme conditions may cause generation losses, structural safety hazards, and loss of customer trust.	Downstream	Short- to medium-term
Risk	Intense competition increases quality control challenges, raising after-sales and maintenance costs; complaints damage reputation and lead to customer churn; raw material variation, process deviations, and coating defects directly affect structural strength and lifespan.	Own operations, upstream	Short- to medium-term
Opportunity	Strengthen R&D and quality systems, raise extreme-environment testing standards, enhance customer satisfaction and loyalty, and consolidate market leadership.	Own operations, downstream	Medium- to long-term

Innovation-Driven & IP Protection

Impact, Risk & Opportunity	Description	Value Chain Scope	Time Horizon
Positive Impact	Continuous innovation drives the PV mounting industry toward efficiency, intelligence, and reliability, reducing LCOE; core patent portfolios protect innovations and promote healthy competition.	Own operations, downstream	Long-term
Negative Impact	Imitation or infringement of core technologies weakens competitive advantage and returns on innovation.	Own operations	medium-term
Risk	Core patents infringed or leaked, losing technological leadership; R&D investments fail to translate into market competitiveness; litigation costs increase.	Own operations	Medium- to long-term
Opportunity	Strengthen core patent portfolios in tracking algorithms and high-performance materials; convert innovations into product premiums and market share, driving revenue growth.	Own operations, downstream	Medium- to long-term

Supply Chain Due Diligence

Impact, Risk & Opportunity	Description	Value Chain Scope	Time Horizon
Positive Impact	Drive suppliers to protect labor rights and eliminate forced labor, enhancing human rights standards in the global PV supply chain.	Upstream	Long-term
Negative Impact	Forced or child labor in the supply chain would cause serious human rights violations and undermine industry credibility.	Upstream	Short- to medium-term
Risk	The EU Forced Labour Regulation places the burden of proof on companies. If Antaisolar cannot prove its steel and aluminum supply chains are free of forced labor, products may be detained, refused entry, or recalled, losing access to the European market.	Upstream	Short-term
Opportunity	Be among the first to complete full-chain traceability certification, becoming a "green lane" supplier and securing long-term large orders; compliance itself becomes a competitive advantage.	Upstream	Medium- to long-term

Occupational Health & Safety

Impact, Risk & Opportunity	Description	Value Chain Scope	Time Horizon
Positive Impact	A robust OHS system protects the lives and health of employees and contractor workers, raising industry safety standards.	Own operations, upstream	Long-term
Negative Impact	A major workplace accident would cause irreversible harm to workers and damage the industry’ s safety image.	Own operations, upstream	Short-term
Risk	Contractor safety is an industry weak point. A major accident at a contractor site could lead to work stoppages, compensation, higher insurance premiums, and reputational damage. OHS is a key scoring point in EcoVadis.	Own operations, upstream	Short- to medium-term
Opportunity	Upgrade integrated contractor safety management; include contractor safety in our unified assessment; use technology to reduce exposure of high-risk positions, setting an industry benchmark.	Own operations, upstream	Medium- to long-term

Customer Service & Responsible Marketing

Impact, Risk & Opportunity	Description	Value Chain Scope	Time Horizon
Positive Impact	Excellent service ensures timely delivery and stable operation, improving satisfaction and word-of-mouth; responsible marketing maintains fair competition and consumer rights.	Downstream	Long-term
Negative Impact	Slow service response or misleading marketing may cause project delays, investment losses, and doubts about integrity.	Downstream	Short- to medium-term
Risk	Insufficient service capability in global expansion may escalate complaints; exaggerated or misleading marketing may lead to legal disputes and regulatory penalties.	Own operations, downstream	Short- to medium-term
Opportunity	Regional service networks and standardized processes enhance customer experience, loyalty, and repurchase rates; a responsible marketing image wins long-term global trust.	Own operations, downstream	Medium- to long-term

Clean Technology Opportunities & Green Products

Impact, Risk & Opportunity	Description	Value Chain Scope	Time Horizon
Positive Impact	Smart tracking systems significantly improve PV plant efficiency and reduce emissions; product carbon footprint certifications support green procurement and green finance.	Own operations, downstream	Long-term
Negative Impact	Lagging clean technology R&D or inability to quantify green value may weaken competitiveness in the low-carbon transition.	Own operations, downstream	Medium- to long-term
Risk	Intensifying competition in clean technology; slower product iteration may lose technology leadership; increasing customer demands for quantifiable carbon reduction data may affect trust if not provided.	Own operations, downstream	Medium- to long-term
Opportunity	Quantify carbon reduction contributions through core clean technology products, differentiate and build brand premium; help customers obtain green loans or certifications, enhancing stickiness and market expansion.	Own operations, downstream	Medium- to long-term

PART 01

ROBUSTNESS



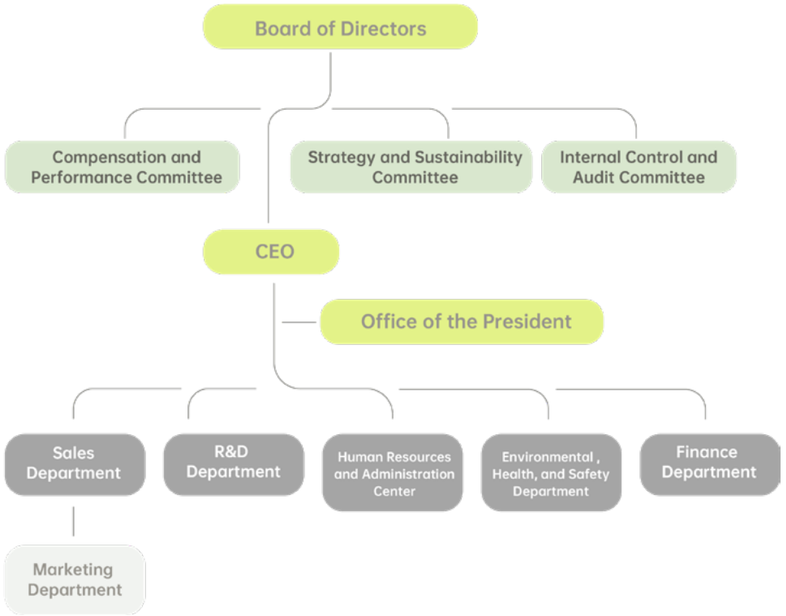
Antaisolar systematically embeds ESG management into corporate governance and daily operations, building a corporate culture centered on strict compliance and transparent governance.

While continuously optimizing risk management and internal control systems and strictly adhering to applicable laws and regulations in each operating jurisdiction, the Company pursues governance excellence by embedding sustainability principles into the full spectrum of strategic decision-making and business execution. Through unwavering business ethics, we build trust-based partnerships with customers, suppliers, and industry peers, jointly sharing sustainable

Corporate Governance & ESG Integration

Management Approach
Governance Structure

In 2025, Antaisolar's joint-stock reform proceeded in an orderly manner, with key milestones – asset inventory, financial consolidation, equity adjustments, and regulatory filings – steadily implemented as planned, with seamless coordination and standardized execution. With a clear reform roadmap and regular progress monitoring, the Company's governance system continued to improve, laying a solid foundation for future growth.



Antaisolar Governance Structure

On this basis, the Company completed a major governance upgrade at the end of 2025, formally establishing the Strategy and Sustainability Committee, the Compensation and Performance Committee, and the Internal Control and Audit Committee – marking a critical step in integrating corporate governance and ESG oversight. The establishment of the Strategy and Sustainability Committee, in particular, formally brings sustainability issues onto the Board-level decision-making agenda, providing institutional assurance for the systematic advancement of the ESG strategy.

Sustainability Governance Targets and Progress

To drive the deep integration of corporate governance and ESG, Antaisolar has set phased sustainability targets. The table below presents targets by phase, current status, and specific 2025 progress:

Phase	Target	Status	2025 Progress
Short-term (2025)	Deeply integrate ESG concepts into operational control systems, embed sustainability elements into the risk prevention and governance framework, and build a new competitive advantage driven by ESG	Achieved	Formally established the Strategy and Sustainability Committee, Compensation and Performance Committee, and Internal Control and Audit Committee; ESG Working Group continues to operate and reports performance progress to management regularly
Medium-term (2026-2028)	Proactively benchmark against global best practices, continuously improve sustainability management levels and performance in key areas	In progress	Plan to systematically improve EcoVadis ratings in 2026; conduct ESG-specific training for management; refine the linkage between ESG performance and executive compensation
Long-term	Adhere to green and low-carbon principles, and through the three strategic paths of product premiumization, industrial integration, and globalization, continue to lead innovation in the PV mounting industry, contributing core value to the low-carbon transformation of the global energy system and the sustainable development of human society	In progress	Continuously advancing carbon neutrality targets, supply chain compliance management, and overseas market expansion

Performance Highlights

In 2025, the Company formally established the Strategy and Sustainability Committee, the Compensation and Performance Committee, and the Internal Control and Audit Committee, achieving a substantive upgrade to its ESG governance structure.

The Company prepared this year's ESG Report in accordance with th GRI Standards and ISSB criteria, with independent assurance by TÜV Süd.

Outlook

The Company will continue to refine the operating mechanisms of its ESG governance structure, promote substantive linkage between ESG performance and executive compensation, ensure the phased achievement of medium-term targets, and continuously enhance the Board's ESG oversight effectiveness and decision-making transparency.

Management Approach

Internal Control and Risk Management

Antaisolar strictly complies with the Company Law of the People's Republic of China, the Securities Law of the People's Republic of China, the Basic Standards for Enterprise Internal Control, the Supervision Law of the People's Republic of China, and other relevant laws and regulations. Based on business practices and internal assessment results, the Company continuously improves its internal control and risk management system. In 2025, the Company, guided by the Internal Control Manual, systematically advanced internal control management planning through a three-step approach: "Design Framework → Develop Strategy → Assess Risks."

Internal Control Management Three Steps

1 Design Framework

Establish a system of 19 internal control modules, each comprising Level-1 documents, corresponding forms, and approval workflows, with certain modules supplemented by Level-2 documents.

2025 Key Progress

For modules such as production management, warehousing, and EHS, adopted a "framework + reference" model, directly referencing professional documents from the quality system and the EHS department to reduce redundant drafting. Optimised the document hierarchy: Level-1 documents define the framework, while Level-2 documents provide detailed elaboration.

2 Formulate Strategy

Adhere to five principles
comprehensiveness, materiality, cost-effectiveness, adaptability, and checks-and-balances—and complete walkthrough tests and risk response plans for all modules.

2025 Key Progress

Completed the annual walkthrough tests for all 19 modules; conducted two additional walkthrough tests for the four Level-1 risk modules (Sales, R&D, Supply Chain, and Inventory); enhanced internal control awareness across the organisation through diversified approaches, including quarterly training sessions, new media posts, and a case study library.

3 Assess Risks

Establish a risk matrix assessment system based on two dimensions—likelihood and severity—and classify risks into Levels 1 to 4.

2025 Key Progress

Upgraded events with high severity to the highest risk level (Level 1); finalised risk level confirmations for all internal control modules and developed a risk database; ensured that 60% of Level-1 and Level-2 risks are covered by corresponding Level-1 internal control documents with predefined response measures.

Continuous Improvement

In 2025, the Company continued to update and refine the Internal Control Manual, completing a full revision of the Internal Control Module Risk Management Specifications and updating the risk matrix and corresponding explanatory content. Due to factors such as approval workflow confirmation and follow-up on walkthrough test findings, the annual update of the Internal Control Manual was approximately 60% complete. In 2026, the Company will continue to drive the updated release of the Internal Control Manual, concurrently completing supporting updates to authorization documents, further improving the depth and effectiveness of the internal control system, and providing a solid institutional foundation for ESG management implementation.

Risk Management

Building on the 2024 proposal to "plan a three-line-of-defense comprehensive risk management system," Antaisolar established a three-line-of-defense mechanism in 2025 with coordinated operations among business departments, risk control functions, and internal audit, ensuring effective risk identification and control.

First Line of Defense	**Business-related departments** esponsible for risk self-control, compliance execution, and internal control implementation
Second Line of Defense	**Risk Control Department** responsible for policy development, standard setting, and process monitoring
Third Line of Defense	**Audit Department** responsible for independent oversight and evaluation

To further enhance the responsiveness of the internal control system to external changes, Antaisolar plans to systematically conduct internal control sensitivity testing on top of the existing three-line-of-defense framework. This testing aims to identify potential weaknesses in key control points, ensuring that the internal control system continues to perform effectively in a complex and changing external environment, thereby providing institutional support for deepening ESG management.

The testing will cover six key areas: financial reporting, supply chain management, human resources, environmental protection, social responsibility, and corporate governance. A cross-functional testing team will conduct annual cycles, using a combination of questionnaires, on-site interviews, and data analysis to verify the effectiveness of key control points.

	Testing Focus Points	ESG Relevance Dimensions
Financial Reporting	Accuracy and timeliness of financial data	Corporate Governance, Business Ethics
Environmental Protection	Environmental policy implementation and compliance with emissions	Climate Change and Carbon Emission Management, Waste Management
Supply Chain Management	Supply chain stability and ESG risk management capability	Supply Chain Due Diligence Management, Responsible Minerals
Social Responsibility	Community relations and effectiveness of CSR project implementation	Local Community Relations and Social License to Operate
Human Resources	Employee rights protection, training and development compliance	Talent Attraction and Retention, DEI
Corporate Governance	Standardisation of decision-making processes, transparency of internal communication	Integration of Corporate Governance and ESG Governance

Based on test results, the Company will formulate targeted improvement measures, clarify responsibilities and deadlines, and ensure continuous optimization through regular follow-up and annual review mechanisms. This sensitivity testing will serve as an important part of Antaisolar's ongoing internal control improvement, fostering a culture of broad participation and dynamic updates, and providing a solid foundation for the Company's long-term stable operations.

Risk Management Process

The Company has established a systematic risk management process covering four core stages: risk identification, risk assessment, risk response, and monitoring and improvement. In the identification stage, business departments systematically identify key risk points in their respective areas based on internal and external changes. In the assessment stage, the Company uses a combination of qualitative and quantitative methods to evaluate risks from two dimensions – likelihood and impact – to determine risk levels. In the response stage, differentiated strategies – avoidance, reduction, transfer, or acceptance – are applied based on risk levels. In the monitoring stage, the Company regularly tracks risk trends, evaluates the effectiveness of response measures, and dynamically adjusts risk management strategies in response to changes in the internal and external environment.

Risk Management Culture

The Company continuously fosters a company-wide risk management culture through diversified approaches including quarterly training, internal communications, and case study libraries to enhance employee risk awareness and internal control capabilities. The Company actively advances internal control sensitivity testing to identify potential weaknesses in key control points, ensuring that the internal control system continues to perform effectively in a complex and changing external environment, thereby providing institutional support for deepening ESG management.

Business Ethics & Anti-Corruption

Antaisolar upholds the "humble and pragmatic" ant spirit, with integrity as the cornerstone of its business conduct. The Company has built a comprehensive business ethics management system, continuously strengthening compliance defenses through institutional upgrades, process integration, and company-wide training to ensure that all business activities strictly adhere to regulatory requirements.

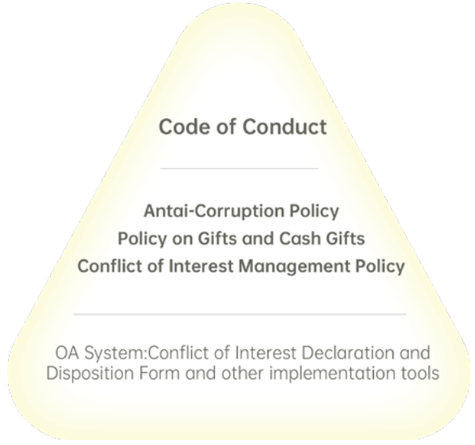
System perfection
In 2025, the Company systematically upgraded its integrity and compliance system. Building on the updated Code of Conduct, it formally issued the Gift and Cash Gift Management Policy and the Conflict of Interest Management Policy, clearly defining behavioral red lines for employees in scenarios such as gift acceptance and conflicts of interest. Concurrently, the Conflict of Interest (including Gifts and Cash Gifts) Declaration and Disposition Form was launched on the OA system, enabling pre-declaration and process-based management of conflicts of interest. In addition, the Company required all employees to sign integrity and compliance documents, ensuring that compliance commitments are fulfilled at the individual level.

institutional level
the Company has established a complete integrity and compliance system centered on the Code of Conduct, supported by specialized policies including the Anti-Corruption Policy, the Gift and Cash Gift Management Policy, and the Conflict of Interest Management Policy. The Gift and Cash Gift Management Policy clearly defines behavioral red lines regarding the acceptance of gifts and cash gifts, specifying declaration procedures, value limits, and disciplinary measures for violations. The Conflict of Interest Management Policy governs employees' declaration obligations and handling procedures in situations involving potential conflicts of interest. The Company strictly prohibits any form of political contributions, and all charitable donations and commercial sponsorships are subject to rigorous approval processes to ensure compliance and transparency. These policies were formally approved by the Board and management before implementation. Company required all employees to sign integrity and compliance documents, ensuring that compliance commitments are fulfilled at the individual level.

awareness-building level
The Company provides customized business ethics training for different positions and levels. It rolled out internal control knowledge training for all employees, covering core modules such as anti-corruption policy interpretation, gift acceptance norms, conflict of interest declaration procedures, and case-based warnings, ensuring that employees clearly understand and uphold compliance red lines.

oversight level
The Company has established robust whistleblowing and whistleblower protection mechanisms, encouraging employees to report violations of business ethics through phone and email channels. For confirmed violations, the Company imposes disciplinary actions ranging from warnings and suspension to termination of employment, depending on the severity, in accordance with the Employee Handbook and relevant policies; serious cases are referred to judicial authorities. The Company maintains strict confidentiality over reported information and prohibits any form of disclosure or retaliation.

Through the coordinated operation of these four management dimensions, Antaisolar strives to create a fair and transparent working environment, win market respect through integrity, and build a clean and upright business ecosystem with customers, suppliers, and industry partners.





of "**Risk Management, Internal Control, and Business Ethics**" training

4 sessions

Covering all new employees within their first six months (excluding overseas)



***The above data are all derived from the reporting period**

In 2025, the Company conducted four quarterly "Risk Management, Internal Control, and Business Ethics" training sessions, delivered both online and offline, covering all new employees within their first six months of employment (excluding overseas staff).
The content covered risk management, internal control knowledge sharing, and business ethics awareness. Through customized training for new hires, the Company effectively enhanced company-wide integrity awareness, ensuring that employees clearly understand and uphold compliance red lines.

Whistleblowing and Whistleblower Protection

Antaisolar regards accessible whistleblowing channels and strict whistleblower protection as important safeguards of its business ethics management system.

In 2025, the Company reaffirmed its whistleblowing mechanism company-wide, establishing a dedicated reporting email address to ensure that all employees and external stakeholders can conveniently and securely report violations of business ethics.

To further standardize whistleblowing management, the Company formally issued the Whistleblowing Management Policy in 2025, which systematically defines the scope of accepted reports, investigation and handling procedures, response timelines, and whistleblower protection measures. The Company solemnly commits to maintaining strict confidentiality over whistleblower identity information, prohibits any form of disclosure or retaliation, and takes substantive measures to protect whistleblowers from threats or unfair treatment. Confirmed violations will be handled strictly in accordance with laws and regulations; malicious false accusations will also be subject to legal recourse.

Report Submission (via email/phone)	Registration and Acceptance	Risk Assessment and Classification	Investigation and Disposition	Feedback of Results to the Reporter

Whistleblowing Reporting Process

Correspondence Address

25-27th Floor, Winland International Financial Center, No.1 Jinrong Street, Huli District, Xiamen, Fujian, China

Supervision Hotline

0592-5902511

Reporting Email

partnership@antaisolar.com

Reporting Channels

Major Event	General Event	Low-Risk Event
Supported by conclusive evidence, wide-ranging impact, highly likely to violate laws or regulations, or cause significant (RMB 30,000 or above) economic loss.	Supported by substantive evidence, significant impact, possible violation of laws, regulations, or company policies.	Lacks specific evidentiary support, suspected management loopholes or minor violations.

Reporting of incident classification

The Company strictly enforces whistleblower protection policies, implementing full-process confidentiality management over reported information, explicitly prohibiting any disclosure of whistleblower identity or report contents. The Company maintains a zero-tolerance policy toward any form of retaliation, and any such conduct will be dealt with seriously. Through this mechanism, the Company effectively protects whistleblower safety and privacy, fostering a secure and trustworthy oversight environment and continuously strengthening the effectiveness of internal supervision.

Confidentiality Mechanism

The Company will strictly protect the confidentiality of report information and whistleblower identity. During investigations, whistleblower information will not be disclosed to unrelated personnel beyond necessary investigators. Without the whistleblower's written consent, the whistleblower's identity may not be disclosed in any setting (including internal meetings or investigation reports).

Anonymous Reporting Protection

A dedicated email address is established to receive anonymous complaints or reports. Anonymous whistleblowers enjoy the same protection rights as named whistleblowers. Complaints or reports are handled independently by designated personnel from the receiving department.

Prohibition of Retaliation and Rights Protection

No company or individual is permitted to retaliate against whistleblowers. Once retaliation is found, an investigation will be initiated immediately, and severe disciplinary actions

- Will be imposed on the retaliator, including but not limited to warning, fine, demotion, dismissal, etc.;
- If the conduct constitutes a crime, it will be referred to judicial authorities for criminal liability;
- The Company will take measures to eliminate the adverse effects of retaliation (such as reinstatement, compensation, public clarification, etc.).

Whistleblower Protection Measures

Information Security & Privacy Protection

The Company strictly complies with the Personal Information Protection Law of the People's Republic of China, the Cybersecurity Law of the People's Republic of China, and the EU General Data Protection Regulation (GDPR), among other regulatory standards, and has established a three-tier information security management system covering organizational assurance, full-lifecycle management, and review and oversight. In 2025, the Company further clarified the security responsibilities of the HR & Administration Center, IT Department, Legal Department, and department heads, embedding information security management throughout the entire employee lifecycle – from onboarding through employment to offboarding – and continuously strengthening control effectiveness through quarterly access audits, technical monitoring, and third-party security assessments. For information security incidents caused by individual conduct, the Company will assess the impact and implement corresponding accountability measures in accordance with the Employee Handbook. At the same time, the Company embeds information security requirements into supplier contract clauses, reinforcing end-to-end data protection through confidentiality agreements and oversight mechanisms, continuously improving supply chain information security governance.

Antaisolar has built a concentric three-tier information security management architecture with "organizational assurance" as the decision-making core, "full-lifecycle management" as the execution backbone, and "review and oversight" as the assurance foundation. Through coordinated operation across these tiers, the system forms a comprehensive, company-wide control framework.



Organizational Assurance Layer

As the decision-making core of Antaisolar's information security management, the organizational assurance layer defines the information security responsibilities of each functional department, forming a clear and coordinated management structure.

The HR & Administration Center is responsible for employee confidentiality agreement signing and offboarding asset inventory; the IT Department is responsible for system access control and security incident response; department heads bear responsibility for information asset management within their respective departments; the Legal Department is responsible for legal recourse in breach incidents and third-party agreement review; and all employees are required to sign confidentiality agreements and fulfill their confidentiality obligations. Through clear division of responsibilities and accountability mechanisms, information security management is ensured with no blind spots from policy to execution.

Full-Lifecycle Management Layer

As the execution backbone, the full-lifecycle management layer embeds information security controls throughout the employee lifecycle – onboarding, during employment, and offboarding.

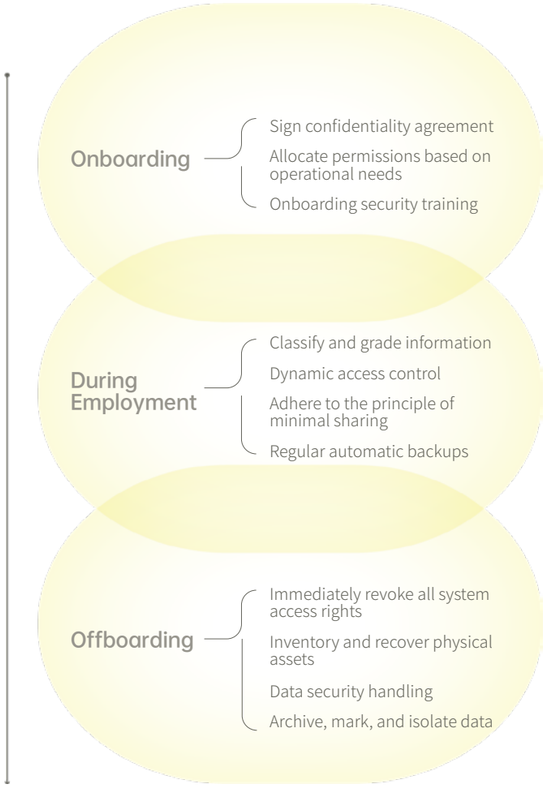
At onboarding, employees sign confidentiality agreements and receive IT access rights based on role requirements. During employment, the Company implements information classification and grading, dividing information into three levels – top secret, confidential, and internal public – with differentiated access rights, storage locations, and retention policies, and follows the principle of least privilege and authorized approval for information sharing. At offboarding, system access is immediately terminated, physical information assets are inventoried and recovered in person and recorded in the Offboarding Handover Form, and offboarding data is marked, isolated, or archived according to retention policies, with expired data securely destroyed. This closed-loop mechanism ensures continuity and traceability of information security management.



Review and Oversight Layer

As the assurance foundation, the review and oversight layer ensures the continued effective operation of the management system through regular audits, real-time monitoring, and continuous improvement.

The Company conducts quarterly system access audits and issues Access Audit Reports, uses technical tools to monitor abnormal sensitive information flows in real time, and conducts semi-annual information security assessments of core third parties with Information Return/Destruction Confirmation Letters signed. At the same time, the Company organizes at least one information security emergency drill per year and at least one company-wide information security training per quarter, and has established a dedicated reporting email address for information security incidents, requiring response and handling within 24 hours. Through this multi-layered review and oversight mechanism, Antaisolar has shifted from"reactive response" to "proactive prevention" in information security.



Information Lifecycle Management Process Flow

Antaisolar embeds information security management throughout the employee lifecycle – onboarding, during employment, and offboarding.

At onboarding,confidentiality agreements are signed and IT access rights are configured based on role requirements.
During employment,information classification and grading, dynamic access control, and regular automated backups are implemented.
At offboarding, system access is immediately terminated, physical assets are inventoried and recovered, and data security disposal is completed.
This closed-loop mechanism ensures continuity and traceability of information security management.

Information Security Online Training

In 2025, the Company conducted two information security training sessions for all employees, focusing on raising cybersecurity awareness in public spaces and preventing and responding to ransomware attacks. The training was delivered via Feishu online video courses, ensuring convenient access for all employees. Through this systematic training arrangement, the Company effectively enhanced employees' ability to identify common cybersecurity threats and their emergency response awareness, providing a solid personnel foundation for the continued reinforcement of information security defenses.



信息安全知识宣传1（公共场所网络安全意识提升）



信息安全知识宣传2（防范勒索病毒及应对措施）

During the Reporting Period

100%

***Information security training coverage rate**

Disseminated knowledge on ransomware risks and established emergency response procedures and reporting mechanisms to the IT department after infection.

Required employees to lock their screens when leaving their workstations to prevent leakage of sensitive desktop information.

Prohibited the use of personal routers to set up unauthorized networks in office areas, preventing network security attack risks arising from unauthorized network access.

Digital Traceability & AI Governance

In response to the compliance requirements of the EU Forced Labour Regulation for full-chain supply chain traceability, Antaisolar has incorporated digital traceability and intelligent algorithm governance into its ESG management framework.

In digital traceability, the Company is conducting needs assessment and planning for a supply chain digital traceability system, aiming to achieve batch-level traceability of key raw materials. The development of this system is not only necessary to meet EU regulatory compliance but also a critical infrastructure for enhancing supply chain transparency and operational efficiency.

In intelligent algorithm governance, the SmartTrail intelligent tracking control system independently developed by Antaisolar operates through algorithms that optimize PV module tilt angles to maximize solar radiation capture – an industrial control automation algorithm that does not involve personal data processing or user profiling. The Company’ s focus regarding algorithms is on their reliability, stability, and ability to automatically execute protective actions under extreme weather conditions – capabilities that directly affect the asset security and power generation returns of PV plants. The Company will continue to optimize the design, testing, and verification processes for algorithms to ensure their accuracy, safety, and stability under all operating conditions.

Current Progress

Digital Traceability	Intelligent Algorithm Management	Policy Development	Regulatory Tracking
Initiated requirements assessment and scheme planning for the supply chain digital traceability system.	Conducted ongoing testing and optimization of algorithm reliability and extreme weather protection mechanisms for the SmartTrail intelligent tracking control system.	Monitored international standards on industrial automation and functional safety, with plans to establish internal management systems for algorithm safety and reliability in the future.	Continuously tracked EU supply chain traceability regulatory requirements and industry best practices.

Outlook

The Company plans to complete the solution design and pilot deployment of the supply chain digital traceability system in 2026, and develop internal management policies for industrial algorithms, with a focus on reliability verification and safety protection functions, ensuring compliance with EU regulatory requirements while safeguarding the long-term safe and stable operation of PV plants. The management maturity of this topic will continue to improve in future reporting cycles.

PART02 ADVANCEMENT



Antaisolar has always regarded product quality and innovation-driven R&D as the endogenous drivers of high-quality development, committed to earning global customer recognition and trust through reliable, high-quality products.

In 2025, we continued to deepen our end-to-end quality control system, achieving refined management across the entire process – from raw material procurement to manufacturing, finished product inspection, and customer feedback response – ensuring stable and reliable product quality. At the same time, the Company insists on technology-led innovation, continuously increasing R&D investment and focusing on core technology breakthroughs in PV mounting systems and digital-intelligent solutions, providing reliable support for the safe and stable operation of downstream PV power plants.

Product Lifecycle Quality & Safety

Antaisolar regards product lifecycle quality and safety as the core foundation for earning customer trust and consolidating market competitiveness, continuously building an end-to-end quality control system covering raw material selection, production process control, and finished product inspection.

In 2025, building on the ISO 9001 quality management system, the Company comprehensively advanced the Quality 2.0 strategic upgrade, extending quality management from point-based control at the manufacturing stage to end-to-end lifecycle management covering R&D design, procurement, production, delivery, and after-sales service, systematically reducing quality risks through systematic management and continuous improvement actions.



As of the end of the Reporting Period, all of Antaisolar's stable production bases have obtained ISO 9001 quality management system certification, providing fundamental assurance for safe and reliable product delivery.

End-to-End Quality Control System

Antaisolar's end-to-end quality control system is built around the Quality Assurance Plan (QAP) covering the entire product lifecycle, established in accordance with ISO 9001:2015 and multiple national standards including GB 50797 and GB 51101. Through a series of written procedures, work instructions, and standardized drawings, it standardizes all activities affecting quality from raw material procurement to product delivery. The system not only covers factory manufacturing but also extends quality control to the entire process – design, procurement, production, inspection, packaging, shipping, on-site installation and commissioning, and after-sales service – through a project delivery management model covering four phases: initiation, planning, execution, and closure, achieving end-to-end quality closed-loop management.

Initiation

Collect project information, hold a pre-kickoff meeting, and clarify contract quality requirements and technical specifications.

Planning

Break down the contract and technical agreement, develop a delivery baseline plan, a scope management plan, and acceptance criteria, and establish a Work Breakdown Structure (WBS).

Execution

Produce design drawings and prepare the BOM; allocate suppliers and track schedules; conduct manufacturing process quality control (raw material certificates, inspection reports, outgoing inspections); verify packaging and boxing; synchronise logistics shipment information; perform on-site material receiving, installation training, and technical briefings; carry out installation and commissioning, and generate checklists and reports.

Closure

Provide operation and maintenance training, issue handover certificates, and prepare project summaries; customer complaints within the warranty period are analysed and resolved using the DMAIC methodology.

安泰项目交付管理生命周期模型

In the front-end quality control stage, the Company systematically prevents quality risks from three dimensions: design, procurement, and process control.

In design control, standardized processes including design planning, design review, design verification, and validation ensure that product designs meet quality requirements, and an Engineering Change Request (ECR) and Engineering Change Notice (ECN) process is established to control design changes. In procurement control, suppliers must pass assessment and possess ISO 9001 quality systems; purchase orders clearly specify all quality requirements including drawings, specifications, marking, packaging, and transportation; and all procured materials are subject to incoming inspection according to inspection plans. In process control, the Company develops and controls work instructions for all operating procedures, implements special controls for special processes such as welding and galvanizing, and specifies personnel qualification and training requirements to ensure stability and consistency in the manufacturing process.

In quality verification and improvement, the Company has established a multi-layered inspection mechanism and closed-loop corrective system. For inspection and testing, three checkpoints are set: incoming inspection, in-process inspection, and final inspection. For supervision and factory acceptance, three control point types are established: document review, witness point, and hold point, with customers notified in advance according to timing requirements. For non-conforming product control, a closed-loop management system of identification, isolation, review, and disposition is implemented, with all non-conformance cases and handling measures documented. For corrective actions, non-conformances are reported through internal audits, customer complaints, quality abnormality reports, and other channels, with systematic root cause analysis and modification of procedures or work instructions to prevent recurrence, and regular data analysis to identify potential defects. In addition, the Company conducts regular internal audits covering all quality-related functions and conducts second-party audits of suppliers to ensure consistency and continuous improvement in end-to-end quality control.

Traceability Management

Through identifiers such as project numbers, drawing numbers, and batch numbers, Antaisolar achieves full traceability from raw materials to finished products. All quality-related records – including design documents, inspection reports, non-conformance records, training records, and audit records – are stored in electronic systems to ensure traceability and facilitate recall and improvement.

Internal Audits and Continuous Improvement

The Company conducts regular internal audits covering all quality-related functions to verify system effectiveness; and conducts second-party audits of suppliers periodically or as needed in accordance with management procedures to ensure consistency in supply chain quality control. All procedure documents are controlled, revisions require approval, and obsolete documents are promptly disposed of.

Risk Management

Antaisolar's core products are PV mounting systems, widely used in large-scale ground-mounted power plants, distributed rooftop systems, agrivoltaics, desert PV, and coastal tidal flat applications.

As the structural support system throughout the entire lifecycle of a PV plant, mounting systems must withstand long-term exposure to complex climatic conditions including typhoons, heavy snow, sandstorms, high salt fog, and high temperature/high humidity – their quality and reliability directly affect the safe operation and power generation returns of the plant.

Application-Scenario Quality Risks and Controls

For quality risks in application scenarios, PV mounting systems must withstand long-term exposure to complex climatic conditions – once structural failure occurs, it directly leads to plant shutdown and customer claims. The Company has built a systematic prevention system from four dimensions: **design verification, environmental testing, material corrosion protection, and intelligent control**, ensuring long-term reliability of products across all scenarios.



Factory-End Quality Risks and Controls

For factory-end manufacturing risks, raw material quality fluctuations, processing deviations, and coating defects directly affect the structural strength and service life of mounting systems. Antaisolar's Zhangzhou manufacturing base achieves full process quality control from raw material receipt to finished product shipment through full-process intelligent control, special control of critical processes, and 100% inspection of anti-corrosion parameters.



End-to-End Quality Control in Practice

Antaisolar implements quality control across the three critical stages of raw material receiving, in-process manufacturing, and final product inspection, ensuring that quality is consistently controlled from source to delivery through standardized procedures and strict control at each checkpoint.

IQC

Incoming Quality Control (IQC)
Securing the Source

After the warehouse keeper counts and temporarily receives the materials, quality inspection is carried out in accordance with work instructions and drawings. Qualified materials are released to inventory; non-conforming materials are issued a Quality Abnormality Report and returned for disposition. Emergency release requires joint approval from the Planning Manager and Quality Manager, with samples retained for traceability.

IPQC

In-Process Quality Control (IPQC)
Full-Time Process Monitoring

First-piece inspection must be completed before each batch goes into production; mass production can only proceed after confirmation of compliance. Operators perform self-inspection, and inspectors conduct patrol inspections every two hours. If abnormalities are found, the line is stopped immediately and a Quality Abnormality Report is issued.

FQC/OQC

Final and Outgoing Quality Control (FQC/OQC)
The Last Line of Defense Before Delivery

Inspectors conduct sampling inspections of finished products according to standards. Qualified products are accepted into inventory; non-conforming products are identified and isolated. During packaging, labeling and packing specifications are verified before the pass stamp is affixed. Container loading is fully monitored, with the packing list verified item by item. Any abnormalities are followed up by a quality engineer for closed-loop corrective action.

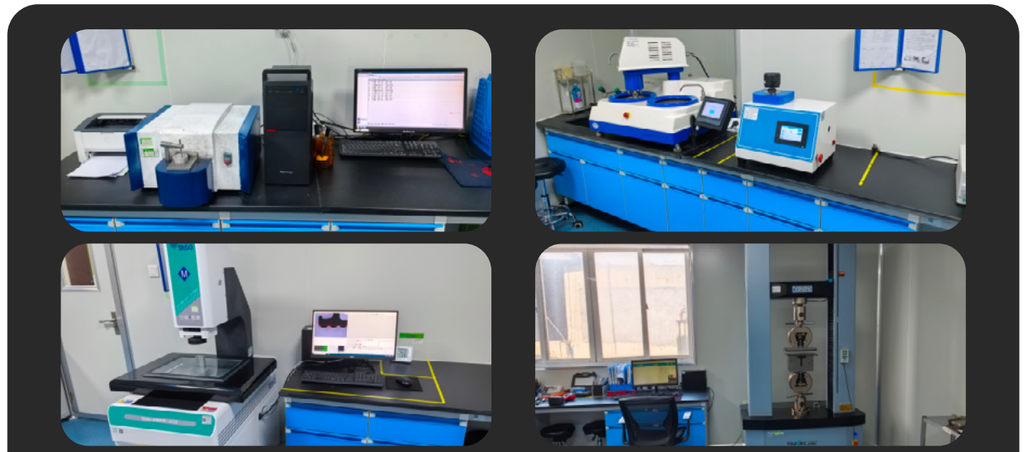
Key Performance Indicators

	Target	Monitoring frequency
Incoming material batch acceptance rate	≥98.5%	Monthly
Total number of process batch anomalies per workshop	Monthly average ≤14times	Monthly
Purchased parts batch acceptance rate	≥98.5%	Monthly
Outgoing delivery batch acceptance rate	≥98.0%	Monthly

Antaisolar Testing Center Laboratory

The Antaisolar Testing Center Laboratory is a core technical platform supporting product lifecycle quality control, focusing on full-chain performance verification and quality assessment of PV mounting systems and new energy products – from raw material receipt to finished product shipment.

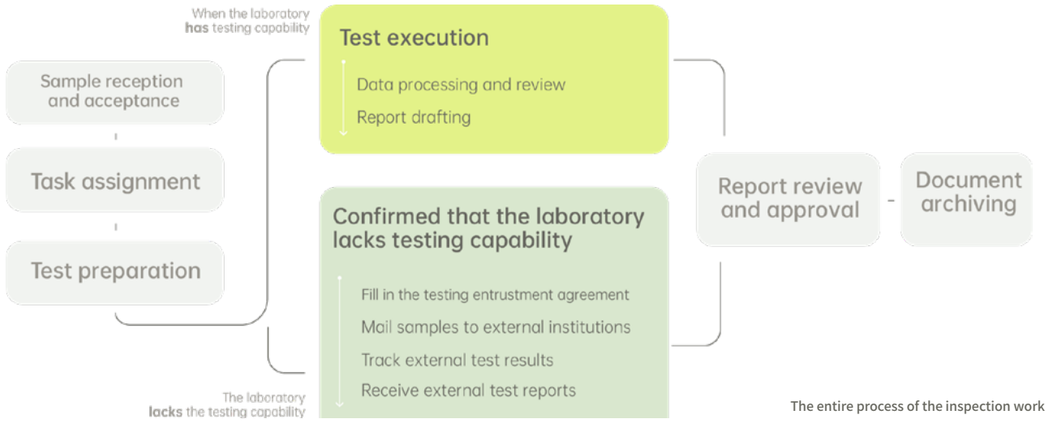
The laboratory strictly follows ISO 9001 and GB/T series national standards, with 12 specialized functional areas including materials analysis, mechanical performance, metallographic sample preparation, salt spray testing, and appearance/size measurement. It is equipped with key testing equipment including a Q4 direct-reading spectrometer, electronic universal testing machine, and inverted metallurgical microscope, and has established a metrology management system covering equipment calibration, periodic verification, and data traceability throughout the process, ensuring accurate and reliable test results. Through a full-process system covering sample registration, process monitoring, and factory inspection, the laboratory provides solid scientific evidence and critical technical support for the stable and reliable quality of Antaisolar products.



Core Testing Equipment and Technical Capabilities

Affiliated Laboratory	Devicename	Main Uses
Material Analysis Laboratory	Q4 Direct-reading Spectrometer	Chemical composition analysis of metallic materials
Mechanical Properties Laboratory	Electronic Universal Testing Machine (100KN/300KN)	Tensile test (tensile strength, yield strength, elongation)
Material Analysis Laboratory	Inverted Metallurgical Microscope	Microstructure observation and analysis
Salt Spray Laboratory	Salt Spray Tester	Salt spray / salt water corrosion test
Appearance and Dimension Laboratory	Automatic Vision Measuring Machine	Precision dimensional measurement
—	Coating Thickness Gauge	Oxide film / coating thickness measurement
—	Webster Hardness Tester	Hardness testing of aluminum alloys

In terms of testing processes, the laboratory has established standardized workflows covering sample receipt, task assignment, test preparation, test execution, and report preparation and archiving. Submitted samples are inspected and registered by the receiving officer, and inspectors conduct testing according to standard-specified items and methods. Original records are self-checked and reviewed before test reports are prepared and issued with approval by authorized signatories. All records are archived to ensure traceability. For items beyond the laboratory's in-house capabilities, the Company supplements through external professional testing institutions with result tracking, ensuring full coverage of testing needs.



The entire process of the inspection work

Quality Targets and Performance

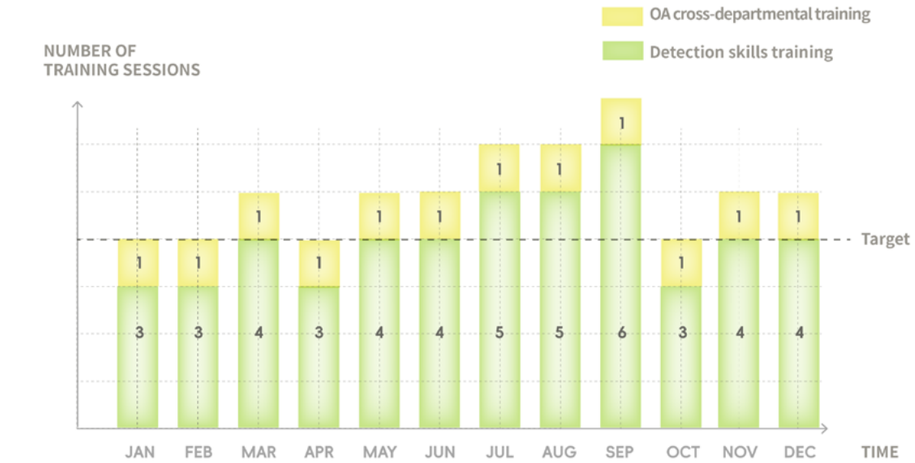
Antaisolar drives continuous quality improvement through target-oriented management, setting strict annual quality targets around key indicators such as incoming pass rate, product yield, and customer satisfaction, and systematically advancing target achievement through multi-dimensional management measures.

As of the end of the Reporting Period, all quality targets were achieved on schedule.

Quality Target	2024 Actual	2025 Target	2025 Actual
Incoming lot acceptance rate	99.10%	≥98.5%	98.80%
Frame product yield	95.60%	≥96%	96.40%
Precision machining yield	95.20%	≥96%	97.01%
Aluminum mounting system overall yield	80.27%	≥82.41%	83.88%
Carbon steel mounting system overall yield	96.31%	≥97%	98.62%
Ground screw pass rate	99.96%	≥99.97%	99.97%
Aluminum mounting system complaint rate	3.91%	≤3.5%	1.79%
Carbon steel mounting system complaint rate	16.38%	≤14.7%	6.89%
Customer satisfaction	91.90 分	90 分	93.77 分

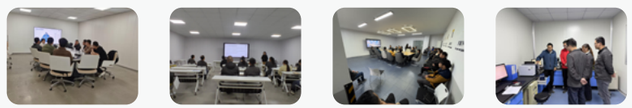
Quality Culture and Capability Building

Quality culture is the soil in which product lifecycle quality control takes root. Antaisolar regards company-wide quality awareness and standardized operating capabilities as the cornerstone of quality management, continuously strengthening the professional competence of frontline employees and quality personnel through a multi-layered, regular training system. In 2025, the Quality Department organized multiple specialized training sessions around core topics including inspection standards, OPL (One Point Lesson), customer complaint handling processes, and 8D improvement methods, covering key roles such as inspectors, production operators, and SQE. Training was delivered through a combination of morning briefings, thematic lectures, and hands-on exercises, closely linking theoretical knowledge with practical work scenarios, effectively improving employees'quality analysis capabilities and standardized operating skills, providing a solid personnel capability foundation for the continued decline in complaint rates and steady improvement in product yields.

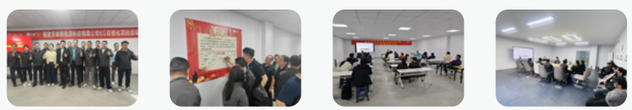


Training statistics of the quality department in 2025

Quality Production Management Training



6S Management Training



Quality Specialized Training



During the Reporting Period

60 sessions

***During the Reporting Period**

ISO 9001 Training



Innovation-Driven Development & Intellectual Property Protection

Innovation-Driven Development

Antaisolar adheres to a scientific R&D management process, focusing on the core field of PV mounting systems, with three key R&D directions: materials R&D, mounting system product iteration, and intelligent systems.

In 2025, the Company systematically upgraded its R&D Management System and R&D Management Process, further consolidating the institutional foundation for R&D management.

The revision focused on **four core areas**:

1. clarifying that R&D project categories cover new products, new technologies, and new processes, achieving unified R&D management baseline standards;
2. enhancing the intellectual property management system by explicitly supplementing software copyright management content to the existing patent management framework, strengthening protection of core digital assets such as intelligent algorithms;
3. adopting the POS process framework planning approach, dividing the R&D process into three layers – R&D planning, R&D execution, and R&D support and assurance – effectively strengthening core R&D process architecture;
4. strengthening the cross-referencing relationship between policies and processes, ensuring mutual support and close linkage between processes and policies, consolidating the internal control foundation of the R&D management module.

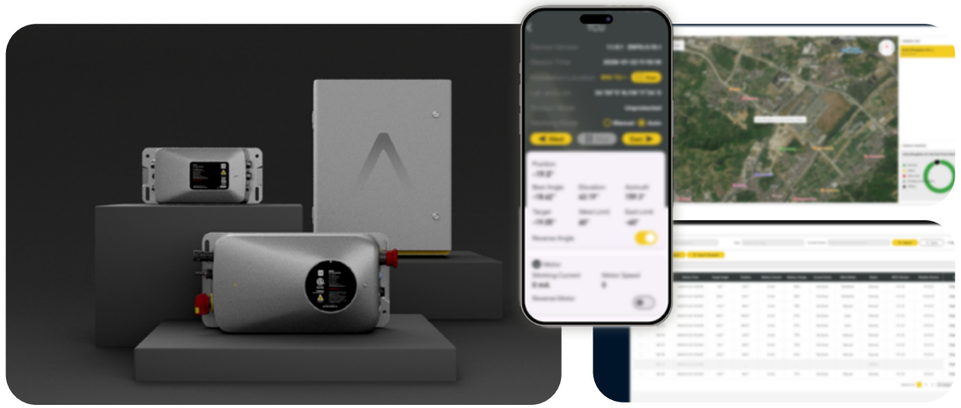
The revised R&D Management System covers the entire process: annual R&D plan management, R&D project initiation management, R&D process management, R&D project closure and termination management, R&D budget management, R&D accounting management, R&D achievement management, and outsourced R&D management. With a full-lifecycle management approach, it organically links all R&D stages, systematically standardizes R&D activities, and builds a solid institutional foundation for technological innovation. During the Reporting Period, the Company refined the R&D management system, further detailing the organizational structure and departmental functions, and improved the applicability of the system based on actual implementation experience. The optimized R&D management system covers three types of project management – intelligent R&D, mounting system product R&D, and materials R&D – ensuring more standardized and refined R&D management.

	R&D Planning Layer PLAN	R&D Execution Layer OPERATION	R&D Support and Assurance Layer SUPPORT
CORE CONTENT	Define R&D direction and resource allocation.	Implement R&D projects and process control.	Provide institutional support and outcome protection.
KEY ELEMENTS	Annual R&D plan	R&D project initiation management, R&D process management, R&D	R&D expense management, R&D outcome management

Intelligent R&D

SmartTrail Intelligent Tracking Control System

The SmartTrail Intelligent Tracking Control System is Antaisolar's self-developed core control system for intelligent tracking systems, completed in 2025. The system integrates artificial intelligence algorithms, Internet of Things technology, and cybersecurity technology, enabling "device-edge-cloud" collaborative management. Through this system, tracking system operation monitoring, fault warning, and O&M scheduling can be intelligently executed across the entire chain, significantly improving PV plant O&M efficiency and system reliability.



SolarAID Online Design Platform

SolarAID is Antaisolar's self-developed online PV mounting design platform, specifically providing surveying, automatic layout, and calculation services for rooftop solar scenarios, generating mounting installation plans and bills of materials with one click, greatly simplifying the design and quotation process for distributors, installers, and end-users in rooftop PV projects. In 2025, the platform added multi-language versions and flat-roof mounting products, and further improved functional modules including panel layout optimization, account permission management, and automatic optimal solution recommendation, significantly enhancing platform adaptability and user experience across different markets and application scenarios.



ATSolarDesktop Automated Design Software

ATSolarDesktop is Antaisolar's self-developed automated design software for tracking system projects, forming the Company's digital-intelligent tool matrix together with SmartTrail and SolarAID. The software underwent its Phase 2 upgrade in 2025, adding automated design functionality for the AT-Spark tracking system, integrating core functions including client interface, GA drawing generation module, BOM module, and SAP2000 calculation module, with algorithm optimization significantly improving calculation efficiency and design response capability.

ATSolarDesktop

Tracking System Product R&D



AT-Spark Intelligent Tracking System R&D

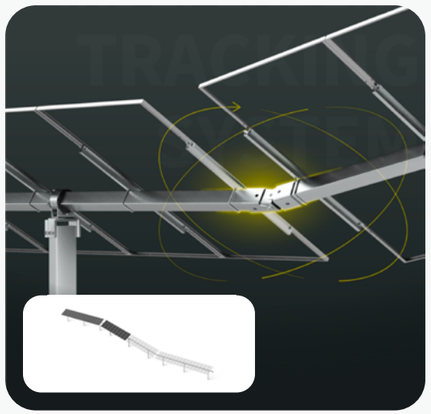
AT-Spark is Antaisolar's self-developed 1P multi-rotation single-axis independent tracking system, completed in 2025. The system features an innovative octagonal tube and double-spherical bearing structure, supporting multi-string long-span ultra-long array designs. Operating in coordination with the SmartTrail intelligent tracking control system, it excels in reducing EPC costs, improving terrain adaptability, and optimizing O&M costs, while effectively responding to extreme weather conditions and increasing power generation, providing PV plants with more efficient, stable, and safer power generation solutions.

Agrivoltaic Tracking System R&D



A tracking system designed for agrivoltaic applications, with structural prototype construction and testing completed in 2025. This product enables synergistic efficiency gains between power generation revenue and agricultural output through the "PV generation + agricultural cultivation" integrated model, maximizing land utilization value; while module shading reduces soil moisture evaporation, supporting water-saving agriculture and ecological cultivation, promoting both economic and ecological value.

High-Terrain-Adaptability Tracking System R&D



A high-terrain-adaptability tracking system completed in 2025, effectively adapting to slopes and undulating terrain, significantly reducing upfront land leveling work, and expanding the application range of tracking systems in complex terrain conditions.

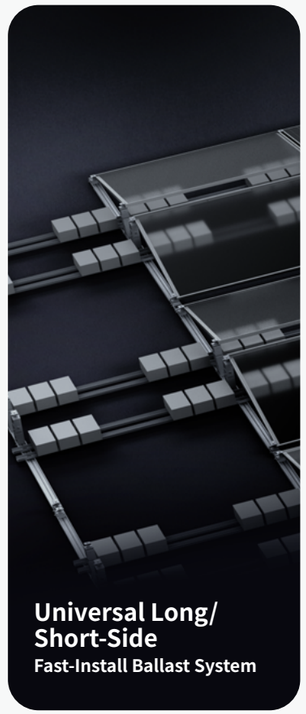
Fixed-Mounting Product R&D



Adjustable Hook and Suspension Bolt

For European residential and commercial/industrial rooftop applications, Antaisolar developed a three-position adjustable hook product in 2025.

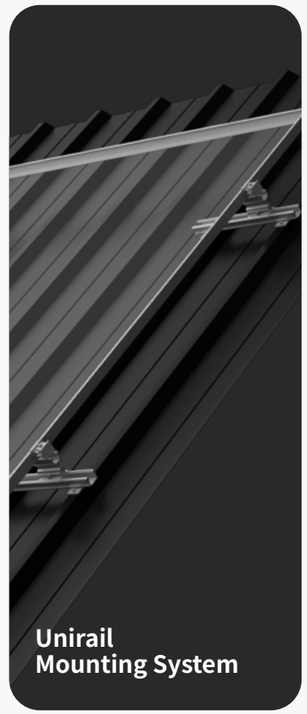
The product accommodates different roof tile types and timber beam thicknesses, using a single suspension bolt fixing method that reduces installation steps and significantly improves installation efficiency.



Universal Long/ Short-Side Fast-Install Ballast System

For flat concrete rooftop PV applications, Antaisolar developed a PV mounting solution that supports flexible switching between installation methods.

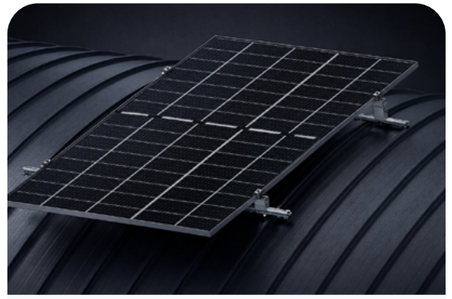
The product supports both long-side and short-side module locking, accommodates 10° and 15° tilt angle configurations, and adapts to different module sizes. The system uses a modular pre-assembly design, greatly simplifying on-site installation and providing users with an efficient and convenient installation experience.



Unirail Mounting System

For commercial/industrial trapezoidal metal rooftop PV applications, Antaisolar developed a PV mounting system with switchable installation direction.

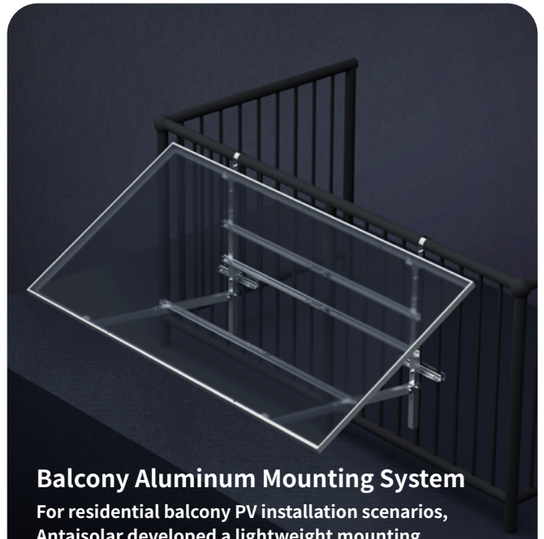
By adjusting the installation direction of the short rails, a single product serves both portrait and landscape orientations. Rails and supports use clip-fastening, flexibly adapting to different trapezoidal roof panel peak spacings, and rails do not require non-standard drilling based on roof conditions, effectively improving roof utilization and on-site construction efficiency.



Adjustable Hook and Suspension Bolt

For commercial/industrial curved metal rooftop PV applications, Antaisolar developed a PV mounting system specifically designed for curved roofs.

The system uses a rotational design of front and rear support structures to ensure surface-contact load transfer between modules and supports, improving structural stability; it also integrates grounding functionality, using built-in spikes to achieve grounding continuity between modules and the roof without additional grounding accessories, effectively reducing material and construction costs.



Balcony Aluminum Mounting System

For residential balcony PV installation scenarios, Antaisolar developed a lightweight mounting product using high-performance aluminum alloy materials.

The product features an aesthetic appearance, multi-angle adjustability, and compatibility with different module sizes to meet diverse installation needs. The system uses a highly pre-assembled design, significantly reducing transportation and on-site installation costs.

Materials R&D

In 2025, Antaisolar achieved significant progress in materials R&D, successfully developing a low-cost, high-strength, high-weather-resistance 6A22 series aluminum alloy micro-alloying technology for PV applications.

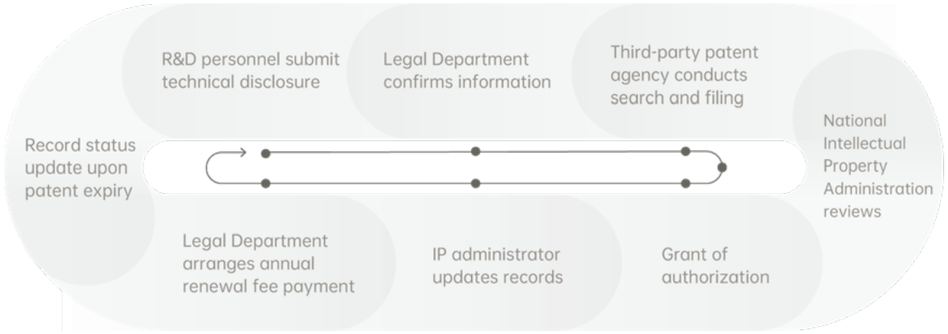
The project focused on performance enhancement and cost optimization of aluminum alloy profiles for PV mounting systems and module frames. Through precise control of magnesium and silicon core alloying elements and scientific introduction of manganese and chromium micro-elements, the project systematically studied the effects of micro-alloying mechanisms on extruded profile microstructure and comprehensive properties. Through extensive testing and process optimization, the application of the new technology significantly improved the mechanical properties and weather resistance of 6A22 series aluminum alloys, further enhancing the core competitiveness of Antaisolar products in PV mounting and module frame applications.

Intellectual Property Protection

Intellectual property is the core result protection of Antaisolar's innovation-driven strategy. The Company consistently regards intellectual property as a key strategic asset supporting technology leadership and market competitiveness, continuously improving its intellectual property management system covering patents, software copyrights, and all other types.

In 2025, Antaisolar established a full-process intellectual property management system covering patents and software copyrights.

patent applications	The Company defined standardized processes from technical disclosure, search and application, to authorization and maintenance, with R&D technical personnel submitting, Legal Department reviewing, third-party agencies handling applications, and IP administrators updating records and maintaining regularly after authorization.
software copyrights	R&D achievements are registered by technical personnel with submission of source code and other materials, and after commissioning by Legal to professional agencies, administrators register certificate information and maintain custody.
IP incentive mechanisms	Encourage employees to engage in inventions and technical standard development, and regularly checks patent protection status, continuously strengthening IP protection awareness.



Total Annual R&D Expenditure Reaching

RMB **56.695** million

Addednew R&D Projects

6 projects

New R&D Project Revenue Reaching

RMB **397.545** million

R&D Personnel Growing

144 personnel

During the Reporting Period, Antaisolar continued to increase R&D investment.Through sustained and stable R&D investment, Antaisolar achieved multiple breakthroughs in core technologies and product innovation, providing strong support for the PV industry’s development toward higher efficiency, greater intelligence, and higher reliability.

Innovation Performance

Patent Applications

47

- inventions 33
- utility models 13
- design 1

Patents Granted

21

- inventions 14
- utility models 6
- design 1

Valid Patents Held

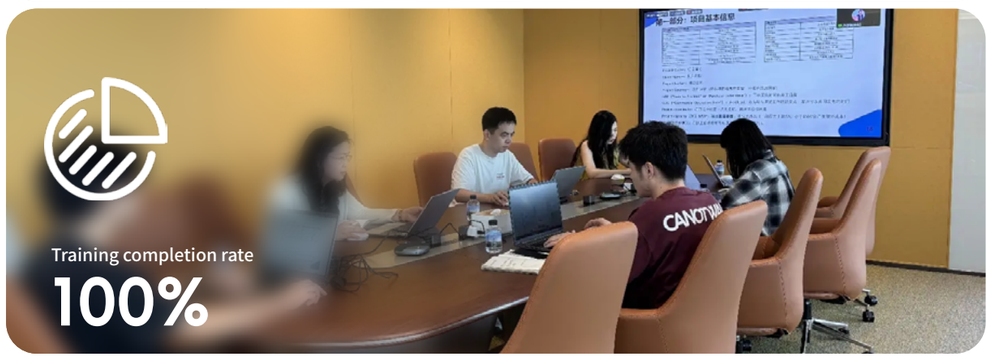
124

- inventions 23
- utility models 92
- design 6
- Japanese utility models 3

Intellectual Property Training

Antaisolar regards specialized IP training as an important measure to enhance the professional capabilities of its R&D team. In 2025, the Company conducted two tiered training sessions for R&D technical personnel, covering patent incentive system promotion and product design infringement avoidance, effectively strengthening IP protection awareness throughout the R&D process.





Customer Service & Responsible Marketing

Lifecycle Customer Service System

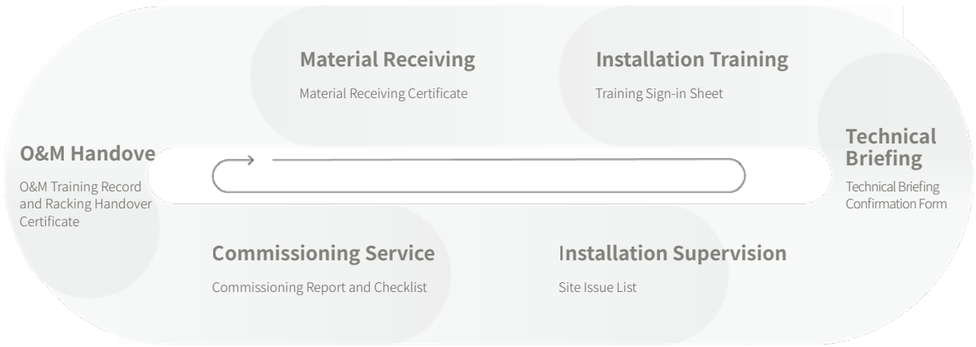
Antaisolar places customer needs at the center, continuously deepening service quality upgrades. The Company has developed the Antaisolar Project Management Delivery Guide, adopting a waterfall project management model that divides project delivery into four phases: initiation, planning, execution, and closure, building a full-lifecycle standardized management system covering design planning, manufacturing, logistics, on-site installation and commissioning, and after-sales service. At the same time, the Company assigns dedicated project manager teams by region, covering major markets including the Middle East, Africa, Europe, Latin America, Southeast Asia, Australia, China, and Japan, with personnel in each region capable of on-site project support both domestically and internationally, ensuring timely and professional localized service response for global customers.

Initiation → Delivery

	Project Initiation	Project Planning	Production & Delivery	On-Site Service	Project Closure
Core Service Activities	Collect and regularly update project information; hold a pre-kickoff meeting; align commercial terms and technical solutions.	Review contract and technical agreement; confirm delivery standards; establish schedule baseline.	Drawing output and BOM management; supplier schedule tracking; quality document delivery; packaging and logistics information synchronisation.	Material receiving guidance; installation training and technical briefing; installation supervision; commissioning service; O&M training and handover.	Project summary and lessons learned; customer complaint handling during warranty period and continuous improvement.
Customer Value	Rapid response to needs, ensuring accurate information flow.	Lock down delivery scope and milestones; manage client expectations.	Full-chain transparency, ensuring delivery quality and timeliness.	On-site technical support to ensure smooth grid connection.	Ongoing service optimisation to safeguard long-term client interests.

On-Site Service and Technical Support

Antaisolar has established a comprehensive on-site service system, with project support personnel providing full-time on-site services covering six key stages: material receiving guidance, installation training, technical briefing, installation supervision, commissioning services, and O&M handover. Each service produces standardized output documents confirmed by customer signature, ensuring traceability. Customer satisfaction evaluations are collected simultaneously during on-site service, forming a closed-loop feedback mechanism.



Six On-Site Service Stages and Deliverable Documents

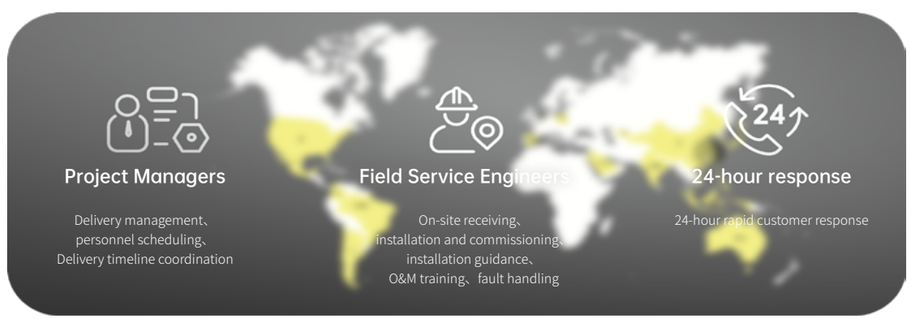
Customer Complaint Handling

The Company has established a standardized customer complaint handling process, with dedicated personnel for complaint handling and delivery document management, uniformly responsible for customer complaint handling across all regions.

In-warranty complaints are led by project managers for systematic root cause analysis and solution provision. The Company provides 24/7 long-term after-sales service via phone and email, with on-site problem resolution available if needed, ensuring timely response and effective resolution of customer concerns.

Global Service Network

Project delivery and service centers are staffed with dedicated project manager teams by region, **covering major markets including the Middle East, Africa, Central & West Asia, India, Latin America, Europe, Southeast Asia, Australia, China, and Japan**, with personnel in each region capable of on-site project support both domestically and internationally.



Global Service Network

Responsible Marketing

Antaisolar strictly complies with the Advertising Law of the People's Republic of China, the Anti-Unfair Competition Law of the People's Republic of China, and applicable laws and regulations in each operating jurisdiction.

The Company has established a full-process marketing material review and supervision mechanism, requiring that all external promotional content be approved by authorized management before publication, ensuring that promotional content is truthful, accurate, and compliant. The Company simultaneously strengthens responsible marketing capability building through specialized training for frontline sales teams and new employees, enhancing employees' ability to identify and prevent responsible marketing risks. During the Reporting Period, the Company had no violations related to marketing or product labeling.

Antaisolar regards the professional competence of its customer service team as a core support for enhancing customer experience. The Company has built a multi-dimensional training system covering project management, delivery guidelines, product technology, and problem handling, continuously providing specialized empowerment for delivery and service center personnel. In 2025, the Company focused on project management tool application, Gantt chart schedule control, and delivery standard execution in its curriculum, empowering customer service personnel to achieve precise response and professional problem-solving through systematic training, continuously improving customer service reliability and satisfaction.

Indicator	2024	2025
Number of customer complaints（cases）	167	169
Customer complaint rate（%）	6.85	3.64
Complaint resolution rate（%）	95.80	98.00
Customer call-backs（cases）	4,013	4635
Customer satisfaction rate（%）	93.20	94.80
Marketing violations（cases）	0	0

PART 03 INCLUSIVENESS



Antaisolar has always regarded people as the foundation of corporate sustainable development, placing employee safety and health above all operational activities.

In 2025, we held ourselves to higher standards – not only pursuing the baseline of zero accidents but also striving to build a safety culture deeply embedded in every employee's mindset.

From workshops to project sites, from policy refinement to full-staff engagement, Antaisolar is taking determined actions to safeguard the safety and well-being of every family. At the same time, we continue to improve talent development and incentive mechanisms, fostering a diverse, equitable, and inclusive workplace where Antaisolar employees from around the world can grow, thrive, and shine together, collectively upholding Antaisolar's sustainable future.

Antaisolar firmly respects and protects the fundamental human rights of every employee. The Company explicitly prohibits child labor, all forms of forced labor, and discrimination based on gender, race, religious belief, age, or other dimensions in its Employee Handbook and Code of Conduct, and maintains a zero-tolerance policy toward harassment, bullying, and abusive behavior.

In daily management, the Company strictly screens child labor and forced labor risks through onboarding document verification, background checks, and labor contract signing; safeguards employees' ability to report workplace violations in a timely manner through multiple reporting channels and dedicated investigation teams; and extends human rights protection requirements to supply chain partners. During the Reporting Period, Antaisolar had no violations related to child labor, forced labor, discrimination, or harassment.

Occupational Health & Safety

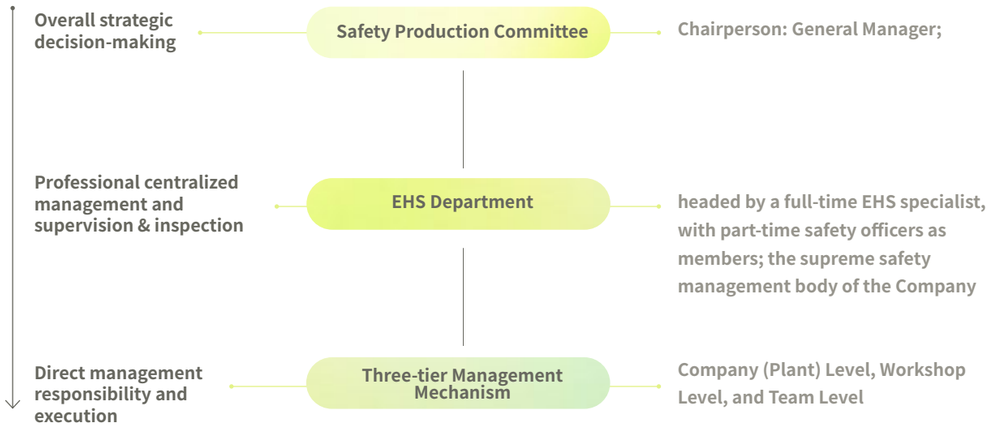
Antaisolar places employee health, safety, and well-being at the core of corporate development, continuously deepening its occupational health and safety management system, systematically strengthening safety production management processes and safety culture, and striving to create a safe and healthy working environment that lays a solid foundation for the Company's stable operations and sustainable development.

Occupational Health and Safety Management System

Antaisolar strictly complies with the Work Safety Law of the People's Republic of China, the Fire Protection Law of the People's Republic of China, the Labor Law of the People's Republic of China, and other applicable laws and regulations, and has developed and implemented core management policies including the Work Safety Responsibility System, clearly defining a six-level safety responsibility system from the General Manager to frontline operators.

Governance Structure

In terms of governance structure, the Company has established a Work Safety Committee chaired by the General Manager and composed of department heads, serving as the highest decision-making body for safety management, responsible for disseminating work safety laws and regulations, coordinating the resolution of major safety issues, approving emergency response plans and organizing drills, and supervising and inspecting departmental safety implementation. The Work Safety Committee has an EHS Department under it, headed by a full-time EHS specialist with part-time safety officers as members, serving as the Company's highest safety management department with specialized responsibility for fire prevention, work safety, and labor protection. Work safety management strictly implements a three-level management mechanism – company (plant) level, workshop level, and team level – with department heads bearing direct management responsibility for safety in their respective departments and workshops.



Responsibility System

The Company has established a work safety responsibility system covering six levels of positions. The Work Safety Committee bears overall coordination and decision-making responsibilities; the EHS Department is responsible for professional management and supervision, organizing at least one company-level safety inspection per month, seasonal inspections during special seasons, and pre-holiday inspections; the Safety Director is responsible for policy development and emergency management; departmental safety officers are responsible for daily safety management and training in their respective departments; department managers and workshop directors bear comprehensive management and leadership responsibility for safety in their departments; team leaders are responsible for safety inspections and operational supervision within their teams; and operators must strictly comply with safety technical operating procedures. All responsible parties at each level must sign Safety and Environmental Target Responsibility Letters, cascade responsibilities down to individuals at each level.

Responsibility Level	Responsible Entity	Core Safety Responsibilities
First Level	Safety Production Committee	Overall decision-making; disseminate laws and regulations; review emergency plans; supervise and inspect safety performance.
Second Level	EHS Department / Safety Director	Professional centralized management; develop safety systems; manage emergency response; conduct safety inspections.
Third Level	Department Manager / Workshop Director	Overall management and leadership responsibility for safety work within the department/workshop.
Fourth Level	Department Safety Officer	Daily safety management; organise safety education and training; identify and report potential hazards.
Fifth Level	Team Leader	Conduct team-level safety inspections; supervise operations; carry out pre-shift, during-shift, and post-shift checks.
Sixth Level	Operator	Strictly comply with safety technical operating procedures; refrain from violations and reckless operations.

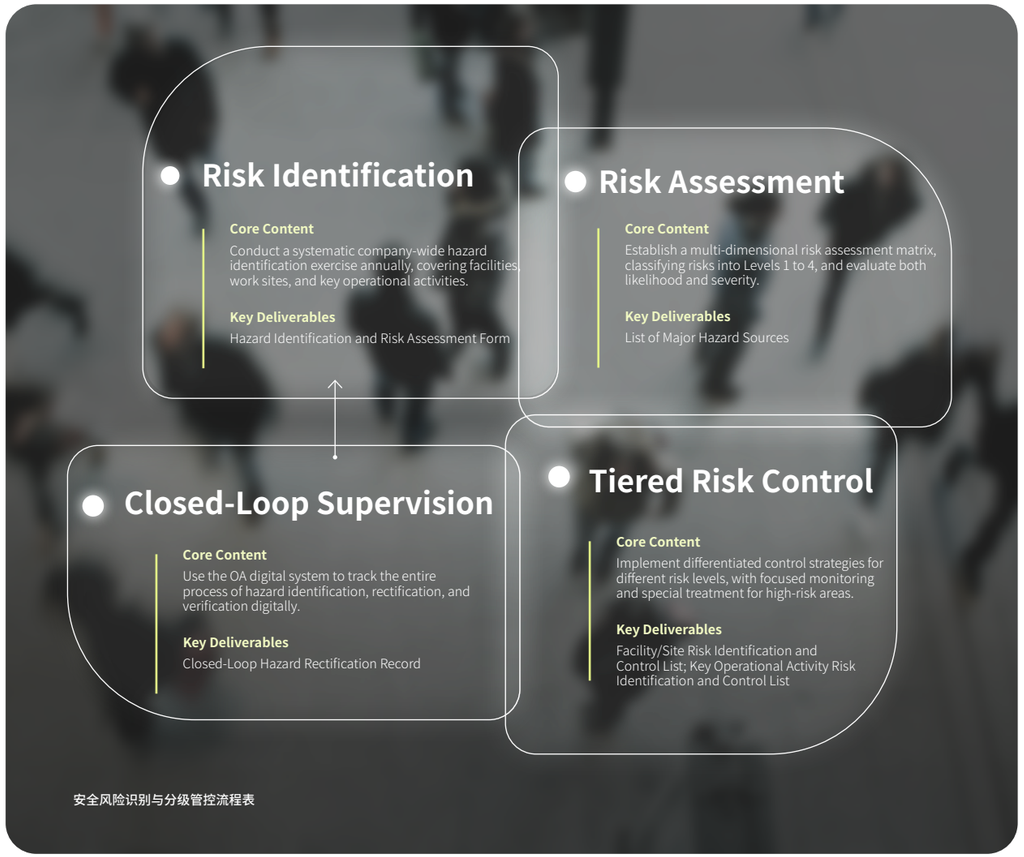


As of the end of the Reporting Period, all of Antaisolar's stable production bases have obtained ISO 45001 occupational health and safety management system certification.

Safety Risk Identification and Graded Control

Antaisolar continuously improves its occupational health and safety risk prevention and control system, developing and implementing the Safety Risk Identification, Assessment and Control Policy, and systematically conducting hazard identification and risk assessment across all business processes on an annual basis.

The Company has established a four-in-one prevention mechanism covering risk identification and control lists for key facilities and locations, risk identification and control lists for key operational activities, hazard identification and risk evaluation forms, and major hazard source lists, with closed-loop management through the OA digital system's hazard management process. For different levels of risk, the Company adopts differentiated control strategies to ensure that high-risk segments receive focused monitoring and special management.



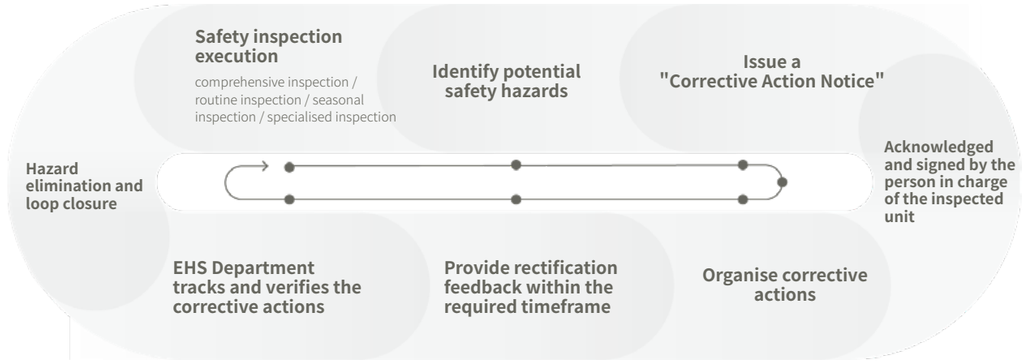
The Company has established well-defined channels for reporting occupational health and safety incidents, allowing employees to report workplace safety hazards, occupational health risks, or related incidents at any time through team leaders, departmental safety officers, the EHS Department, or the Company's established reporting email and hotline. All reported information is registered and assessed by the EHS Department, and tracked and closed-loop feedback in accordance with the Corrective Action Control Procedure.

Safety Production Management

The Company has built a systematic safety production management system, ensuring operational safety through multi-dimensional controls. In terms of inspection mechanisms, safety inspections are divided into four categories: comprehensive inspections, routine inspections, seasonal inspections, and specialized inspections.

Each department conducts a comprehensive safety inspection monthly; teams conduct pre-shift, during-shift, and post-shift routine inspections; the EHS Department organizes quarterly inspections and pre-holiday inspections as appropriate; and specialized inspections are conducted in accordance with relevant standards. Inspection content covers five areas: workshop environmental safety, production process safety, mechanical equipment safety, electrical safety, and fire protection facility safety. Hazards identified during inspections are issued a Correction Notice, which is signed and acknowledged by the responsible department head, with corrective actions organized and feedback provided within required timeframes.

Safety supervision personnel have the authority to enter any workshop for inspection at any time, and have the authority to stop unsafe operations or suspend work in the event of major hazards or unsafe practices.



Closed-Loop Management Process for Safety Inspections

Equipment Safety and Production Environment

The Company continues to increase investment in safety facilities, systematically advancing factory safety environment upgrades. In September 2025, the Company completed the nitriding auxiliary facility technical transformation project, effectively enhancing process safety controllability and reducing potential risks in the nitriding process through process optimization and equipment upgrades. In August 2025, the Company completed the planning and standardized construction of a dedicated forklift charging area in the factory, establishing a dedicated charging zone in strict compliance with electrical safety standards, equipped with fire protection facilities and safety warning signs, effectively preventing electrical fire risks and operational safety hazards in the forklift charging process.





To further enhance the professionalism and objectivity of safety management, in September 2025, the Company engaged a professional third party to conduct an external safety hazard inspection of the factory, leveraging third-party expertise to comprehensively identify and diagnose potential safety risks in the production site. For issues identified during the inspection, the Company formulated corrective measures item by item and implemented closed-loop management, substantially improving the professional standards and risk prevention capabilities of factory safety management.

Equipment Management

The Company develops and strictly implements annual and monthly equipment maintenance and repair plans, while also implementing annual lightning protection testing and periodic special equipment inspection systems. In on-site management, the Company places risk warning signs in key work areas, continuously enhancing company-wide safety awareness. During the Reporting Period, the Company maintained a "three-zero" safety record – zero serious injuries, zero fatalities, and zero administrative penalties.

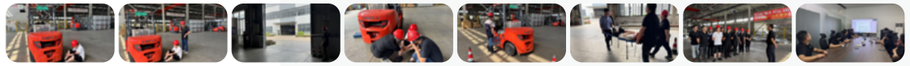
2025 Special Equipment and Lightning Protection Management Status:

	Execution Status	Execution Frequency
Lightning Protection Testing	Annual testing completed on schedule with qualified reports obtained	Annually
Periodic Inspection of Special Equipment	All periodic inspections of special equipment completed on schedule	Inspection cycles vary by equipment category

Emergency Management

The Company develops and implements an annual emergency response drill plan. In 2025, a total of 7 emergency drills were organized, covering core emergency scenarios including fire evacuation, chemical spill response, and first aid. Through practical drills, the Company systematically tested the feasibility and effectiveness of emergency response plans, enhancing cross-departmental coordination and employees' emergency response skills.

Drill Scenario		Participants	Core Objective
Confined Space On-Site Response Drill	2 sessions	Confined space four-category personnel	Test emergency rescue process for sudden poisoning, suffocation, and other incidents in confined spaces, and ventilation detection and personnel rescue coordination capabilities
Special Equipment Accident Special Drill	1 sessions	Equipment team	Test emergency shutdown, personnel evacuation, and fault elimination capabilities for special equipment such as forklifts and lifting machinery
Heat Stroke On-Site Response Drill	1 sessions	Extrusion workshop personnel	Test first aid procedures, cooling measures, and medical transport coordination for sudden heat stroke in high-temperature work environments
Fire Accident Special Drill	1 sessions	All employees	Test alarm response, personnel evacuation, initial fire suppression, and fire department coordination capabilities in sudden fire incidents
Chemical Spill On-Site Response Drill	1 sessions	Chemical users and managers	Test pollution control, personnel protection, spill cleanup, and environmental emergency response capabilities for hazardous chemical spills
Environmental Emergency Drill	1 sessions	Wastewater treatment employees	Test emergency command, pollution spread prevention, and external reporting coordination capabilities for sudden environmental incidents
Total	7 sessions		Enhance plant-wide emergency response and coordinated operations capability





Safety Culture Building

The Company has systematically built a safety education and training system through the development and implementation of standardized documents including the Safety Training and Education Policy and the Emergency Rescue Management Policy, conducting regular safety training and practical emergency drills to comprehensively enhance employees' risk identification capabilities, hazard prevention awareness, and emergency-incident response effectiveness.

Company (Plant)-Level Safety Education

Organizational entity: Organized by EHS Department

Core Educational Content: General production knowledge education: production site conditions, production technology processes, operation methods, and equipment performance knowledge.

Workshop-Level Safety Education

Organizational entity: Organized by Department Head

Core Educational Content: Safety technical knowledge education: safety protection for hazardous equipment, basic knowledge of electrical equipment, and safe operating procedures.

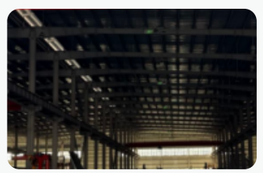
Team-Level Safety Education

Organizational entity: Organized by Team Leader

Core Educational Content: Professional safety technical knowledge education: content varies by position; position-specific safety operation rules.

The Company requires that new employees first complete three-level safety education and pass the assessment before being assigned to work, and that employees transferring to different job rolesreceive position-specific safety education designated by department or team leaders. Departments and teams use bulletin boards, internal communicaitons, and other channels to conduct ongoing safety education, continuously enhancing company-wide safety awareness.

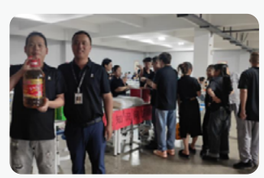
Work Safety Month Campaign





Safety Knowledge Quiz with Prizes





External Safety Expert Training for Management



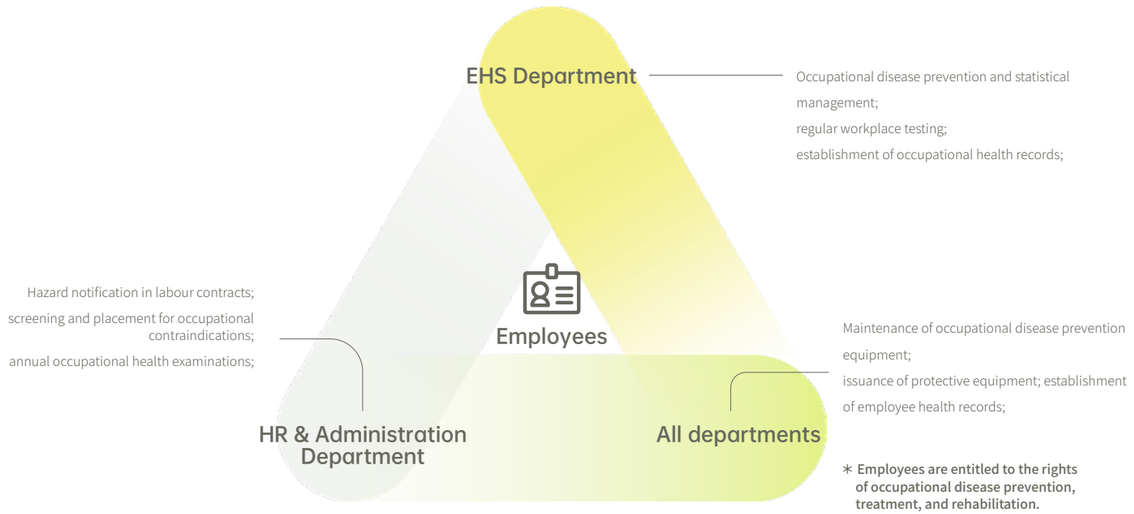


Occupational Health Management

Antaisolar strictly complies with the Occupational Disease Prevention and Control Law of the People's Republic of China and other applicable laws and regulations, and has developed and implemented a series of internal policies including the Occupational Hazard Prevention and Control Management Policy, the Occupational Health and Safety Monitoring and Measurement Control Procedure, and the Occupational Health and Safety Operational Control Procedure, to systematically mitigate occupational health risks and ensuring employees' legal rights to occupational health protection.

Organizational Assurance

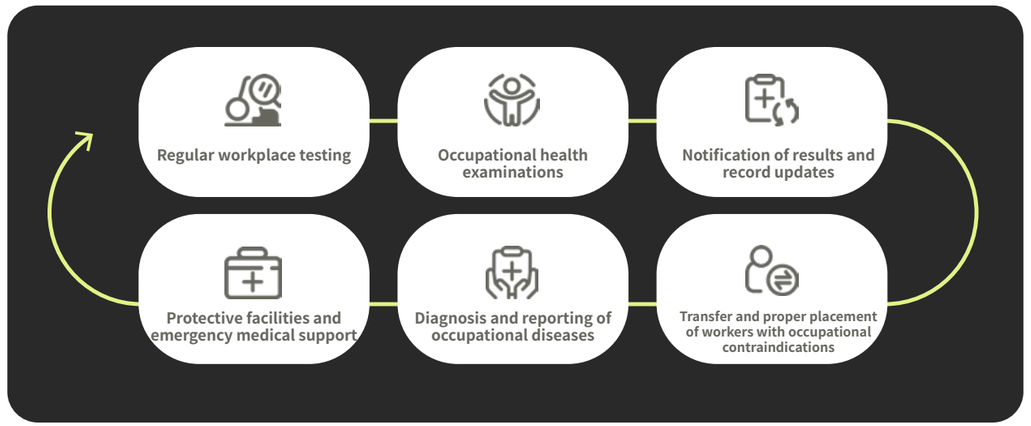
The Company has established a clearly divided occupational health management responsibility system. The EHS Department is responsible for occupational disease prevention and statistical management, establishing occupational health management systems and health records, developing occupational disease prevention plans and hazard accident emergency rescue plans, and conducting annual testing of workplaces involving occupational hazards such as dust, noise, and chemicals, notifying relevant departments of non-conforming items for corrective action. The HR & Administration Department, when signing labor contracts with employees, truthfully informs them of potential occupational disease hazards and consequences in the work process, may not assign employees with occupational contraindications or those who have not undergone occupational health examinations, and promptly reassigns and properly places employees found to have occupational contraindications during occupational health examinations. Each department is responsible for implementing occupational disease prevention work in its respective area, conducting regular inspection, maintenance, and servicing of occupational disease prevention equipment, distributing personal protective equipment to employees as required, and establishing and maintaining comprehensive occupational health management files.



Occupational Health Management Responsibility Allocation Diagram

Process Control

The Company equips workplaces with first-aid kits and emergency facilities where acute occupational poisoning and occupational diseases may occur, implements strict management of toxic chemicals, radioactive sources, and other hazardous substances, and places safety signs in conspicuous locations. The Company proactively adopts comprehensive prevention measures, actively applying advanced technology, advanced processes, and non-toxic materials to control occupational hazards at the source.



Closed-Loop Flow Chart of Full-Process Occupational Health Management

Monitoring and Supervision

The Company has established a multi-dimensional monitoring system covering occupational hazard factor monitoring, safety behavior supervision, and safety performance evaluation. The EHS Department organizes monthly monitoring and measurement of safety performance, including the degree of target and indicator achievement, implementation effectiveness of management plans, and risk control results. Each department sets up safety warning signs for major hazard sources and hazardous areas within its responsibility, designates safety access routes, and implements a permit-to-work system for special hazardous operations such as working at height, hot work, temporary electrical work, and confined space entry – operations may only proceed after approval.

Employee Health Protection

The HR & Administration Department conducts annual occupational health examinations for employees engaged in hazardous work, and promptly informs employees of examination results. Employees are entitled to occupational disease prevention, treatment, and rehabilitation rights, with medical expenses during diagnosis or medical observation periods borne by the Company. Departments promptly arrange diagnosis for suspected occupational disease cases; confirmed occupational disease cases are reported by the EHS Department in accordance with national regulations and health records are established.

Ergonomics Health Management

The Company pays attention to the occupational health of frontline production employees, reducing health risks from repetitive work through measures such as job rotation, standardized operating training, and provision of personal protective equipment.

Employee Personal Protective Equipment Standard Use





Occupational Health and Safety Education and Training





Occupational Health and Safety Performance

Indicator		2024	2025
Employee fatalities	(persons)	0	0
Contractor fatalities	(persons)	0	0
Special equipment annual inspection rate	(%)	100	100
Employee safety training participation rate	(%)	100	100
General hazard rectification rate	(%)	95.6	98
Major safety accidents	(cases)	0	0
Total Recordable Incident Rate (TRIR)	(%)	0.44	0.5
Lost Time Injury Frequency Rate (LTIFR)	(%)	2.18	2.49
Days lost due to work-related injuries	(days)	543.5	212
Safety production investment	(million)	0.36	1.63

Talent Attraction, Development &Retention

Talent is the fundamental driver of Antaisolar's globalization strategy.

The Company adheres to a people-oriented, co-creation and win-win talent philosophy, with three core pillars – attracting top talent, developing existing talent, and retaining key talent – and continuously improves its human resources management system around the management logic of "career pathways for progression, performance for evaluation, and compensation for motivation," providing a solid organizational foundation for strategic execution.
In terms of governance structure, the Company has established a tiered human resources management framework. The Strategy and Sustainability Committee and the Compensation and Performance Committee serve as the highest decision-making bodies for compensation and incentive management, responsible for approving compensation management policies, annual salary budgets, and year-end bonus allocation plans.The Compensation and Performance Committee coordinates executive compensation management and performance appraisal implementation. Heads of each business center and department are responsible for performance appraisal implementation and coaching within their respective departments.
The HR & Administration Center is responsible for the drafting and revision of HR policies, performance appraisal organization and training, and payroll calculation and disbursement.



Talent Management Governance Structure

In terms of the policy system, in 2025 the Company systematically upgraded its HR management system, issuing or updating four core policies – the Position and Rank Management Policy, the Employee Compensation Management Policy, the Employee Performance Management Policy, and the Annual Salary System Management Policy – building a company-wide talent management closed loop from three dimensions: compensation incentives, performance evaluation, and career development. Guided by the core values of the "ant spirit" – bold exploration, steadfast progress, sincere cooperation, humble pragmatism, and open diversity – the Company respects differences, embraces talent from diverse backgrounds, and promotes exchange and integration between domestic and global workforce.

Recruitment and Employment Compliance

Antaisolar strictly complies with the Labor Law of the People's Republic of China, the Labor Contract Law of the People's Republic of China, and other applicable laws and regulations, and has developed internal management policies including the Recruitment and Onboarding Management Policy and the Position and Rank Management Policy to comprehensively protect employees' legal rights. The Company adheres to the recruitment principles of "integrity, merit-based selection, and planning," employing diversified recruitment channels including social recruitment, campus recruitment, and internal referrals,

with multi-dimensional evaluation processes including structured interviews, qualification review, and background checks to strictly control candidate admission standards. All prospective employees must complete document verification and sign labor contracts before formal onboarding, ensuring that talent quality closely matches position requirements.

Antaisolar strictly complies with internationally recognized human rights and labor standards, based on the UN Universal Declaration of Human Rights, the Guiding Principles on Business and Human Rights, the OECD Guidelines for Multinational Enterprises, and the ILO Tripartite Declaration of Principles concerning Multinational Enterprises and Social Policy, establishing clear employment red lines. The Company strictly prohibits all forms of forced labor – once discovered, responsible persons will be subject to disciplinary actions including warnings, suspension, or termination of employment depending on severity, with serious cases referred to judicial authorities.

For child labor and minor worker protection, the Company has established robust identity verification and age declaration mechanisms. If a child or minor worker is found to have misrepresented their age, the Company will immediately terminate their work arrangements and, within three working days, assist them in undergoing a comprehensive health examination at the local disease control center, while simultaneously reporting to the local labor and social security authorities in accordance with the law, ensuring proper placement with full protection of their legal rights. During the Reporting Period, Antaisolar had no incidents involving child labor or forced labor.

In 2025, the Company conducted three on-site campus recruitment events covering institutions in Fujian and Jiangxi, continuously injecting fresh talent into grassroots technical and reserve personnel pipelines.





2025 Campus Recruitment Event

Talent Training and Development

Antaisolar has built a tiered, company-wide talent development system, creating differentiated empowerment programs for different job families and rank levels. The Company conducts annual training needs assessments and budget planning, building a systematic development system covering four major directions: onboarding orientation, skills enhancement, management capability development, and professional qualification advancement, empowering employee growth through a diversified training matrix and aligning individual career aspirations with the Company's strategic goals.

For employees at all levels – from fresh graduates to executives – the Company has created diverse learning programs including new employee orientation training, the Ant Academy online learning platform, specialized performance management training for middle management, and strategic development programs for senior executives, integrating multiple development modes including classroom training, on-the-job practice, mentorship, and rotational assignments. The goal is to ensure that every Antaisolar employee experiences tangible growth, predictable advancement, and transferable skills – realizing their career aspirations while standing with Antaisolar to raise a green world.

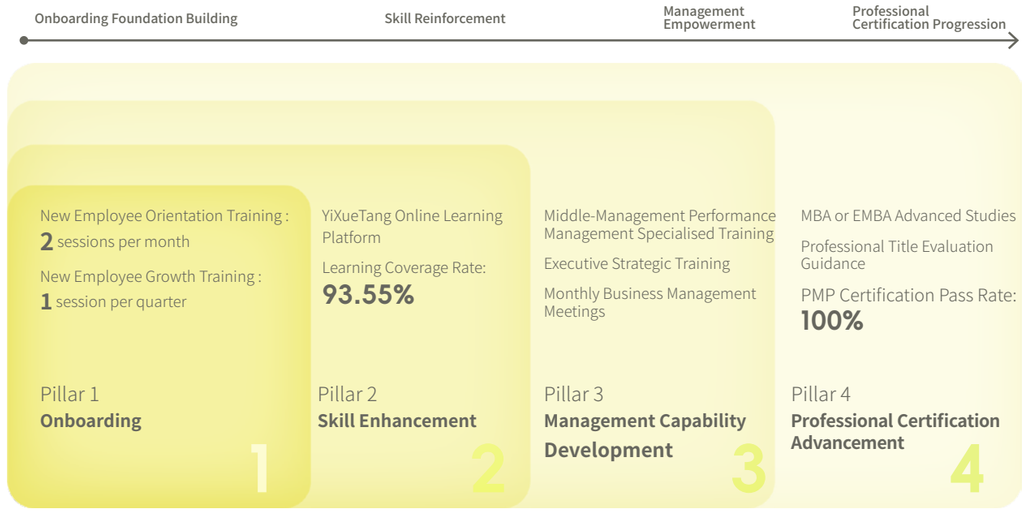
Talent Training

In onboarding orientation, the Company conducts two new employee orientation sessions per month to help new hires quickly integrate into the company culture and adapt to their roles; and one growth training session per quarter focusing on job skills and professionalism.

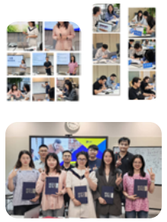
In skills enhancement, the Company leverages the Ant Academy online platform to provide personalized learning maps for employees, covering general skills such as information security and business etiquette, as well as specialized courses for technical, sales, and manufacturing job families, with annual learning coverage reaching 93.55%.

In management capability development, the Company provides specialized performance management training for middle managers, strategic development programs for senior executives, and regular management empowerment through monthly operational review meetings.

In professional qualification advancement, the Company continuously supports employees in broadening their career horizons through MBA or EMBA studies, professional title review guidance, and professional certifications such as PMP – in 2025, eight employees took the PMP certification exam with a 100% pass rate.



Four-Pillar Training and Development System Architecture Diagram

Training Program	Company-wide Team Building	Performance Management Specialized Training	Trainer TTT Bootcamp	Ant Academy Personalized Learning Maps	Professional Skills Advanced Courses
					
Content	Integrated performance target setting and corporate culture into annual team building activities	Performance management training for second-level department managers	Two internal trainer bootcamps in Shanghai to develop executive communication capabilities	Customized learning paths for different job families	Advanced courses developed for technical, sales, and manufacturing job families
Highlights	Broke through traditional team building models, deeply integrating performance target breakdown with cultural value transmission; guided employees to understand company strategy through scenario-based tasks, creating an active learning atmosphere of "learning by doing"	Designed a full closed-loop "learning → practice → evaluation" mechanism: after expert lectures, participants developed complete performance indicator plans for their departments; mentors and center heads jointly evaluated plan quality; outstanding cases were incorporated into the company knowledge base, moving performance management from classroom to practice	10 participants certified as internal trainers, not only consolidating executive management experience and industry insights but also building endogenous strength for corporate knowledge inheritance, providing stable faculty support for training at all levels	Achieved "thousands of faces" precise empowerment: differentiated curriculum systems for five job families – management, technical, sales, professional, and manufacturing – with real-time tracking of learning progress and assessment results; annual learning coverage reached 93.55%; training outcomes quantifiable, traceable, and evaluable	Tiered empowerment by job family, deeply aligned with competency models: technical family focused on product R&D and process innovation; sales family strengthened customer insight and market expansion; manufacturing family consolidated lean production and quality control; systematically enhancing professional depth and practical capabilities across each job family

2025 Key Training Programs

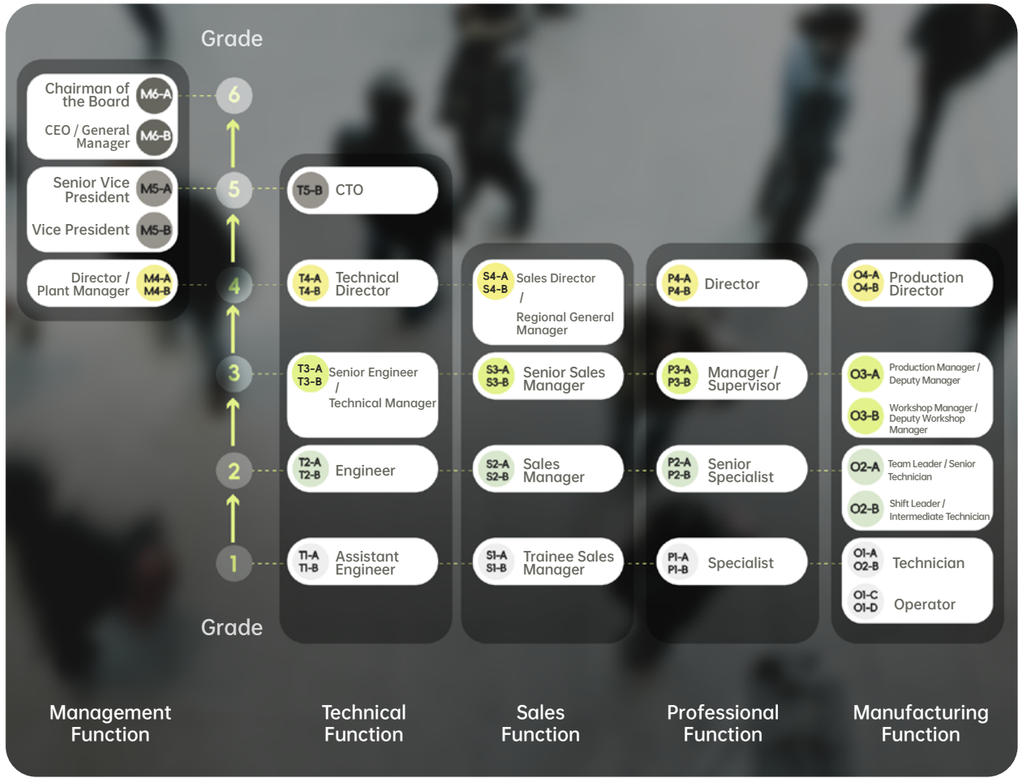
Career Progression

Antaisolar provides employees with clear and transparent career development pathways and has established a job classification system comprising "five job tracks, six career levels, and twelve job grades."

The five job tracks include Business Management, Technology, Sales, Professional, and Manufacturing, with each track defined by specific role expectations and competency standards. The six career levels—ranging from entry-level learners to strategic decision-makers—each feature clear competency standards and development paths.

Regarding the promotion mechanism, the company adheres to the principles of "fairness, impartiality, and performance orientation." Promotions are primarily based on employees' performance and comprehensive competency evaluations from the previous year, and the company ensures the openness and transparency of the promotion process through promotion review meetings, public announcements, and performance-based criteria. Promotion review meetings invite department colleagues, supervisors, and cross-departmental collaborators to participate in the evaluation. Promotions to management levels are announced company-wide, and, in principle, candidates are selected from employees with an annual performance rating of S or A.

Regarding internal mobility, the company has established an internal talent pool to support cross-regional and cross-departmental talent mobility. It encourages employees to change their work location or position based on personal needs and career development requirements, provided that business development permits such changes. For newly promoted mid-level managers, the company implements a mentorship program, assigning senior managers to provide one-on-one experience sharing and practical guidance to help them rapidly enhance their management skills and leadership capabilities, thereby facilitating the transition from"key business contributors" to "team leaders."



员工晋升通道

Compensation and Benefits

The Company strictly follows the Position and Rank Management Policy, combined with market compensation levels, job family, and rank differences, to establish scientific and reasonable compensation standards. We adhere to the principle of equal pay for equal work, conducting regular compensation data analysis and monitoring to ensure fairness and transparency in compensation distribution.

The Company's current compensation structure consists of base salary, piece-rate pay, performance bonuses, and sales commissions. In April and October each year, the Company conducts regular salary adjustments based on business performance and individual performance. Managers are required to conduct one-on-one performance conversations with employees, assisting them in developing personal development plans. For employees requiring performance improvement, the Company provides specialized coaching to help them clarify areas for improvement and develop practical action plans.

In employee benefits, the Company continuously refines the Employee Benefits Management Policy and optimizes the benefits system through diversified benefit programs to enhance employee satisfaction and motivation. Based on in-depth research into employees' differentiated needs, we have designed and implemented more targeted benefit programs, ensuring that every employee feels valued and cared for by the Company, continuously strengthening organizational cohesion.

Insurance / Health	Leave Benefits	Employee Care	Other Benefits
Social Insurance	Statutory Holidays	Club Activities	Activity Fund
Housing Provident Fund	Annual Leave	Holiday Benefits	Further Education Reward
Commercial Insurance	Additional Annual Leave	Cash Gifts (Marriage/Birth/etc.)	Flexible Working Hours
Employee Health Checkup	Marriage & Funeral Leave	Birthday Benefits	
	Special Leave	Hospitalization Visit	
		Afternoon Tea	
		Overtime Snacks	

Employee welfare system

Employee Care

Antaisolar consistently focuses on employees' physical and mental health and work-life balance. In 2025, the Company continued to improve its employee care system across three dimensions:

1 **Holiday care**
club culture, and green public initiatives. In holiday care, activities such as International Women's Day, Mother's Day, Children's Day, the Dragon Boat Festival, and monthly birthday parties conveyed corporate care.

2 **club culture**
activities of clubs including badminton, basketball, cycling, and running were regularly organized, promoting cross-departmental exchange and breaking down organizational barriers through sports and teamwork.

3 **Green public welfare**
environmental protection themed activities such as Arbor Day and Earth Day organically combined employee care with sustainable development concepts, promoting green lifestyles.

Holiday Care Activities







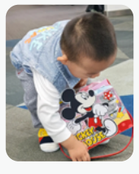
International Women's Day

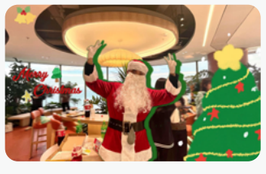




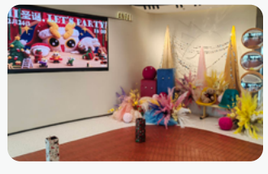


Mother's Day









Other Holiday Activities

Club Cultural Activities



Badminton Club



Friendly Soccer Match

Green Public Welfare Activities





Employee Communication

Antaisolar legally protects employees' rights to information, participation, expression, and supervision.

The Company has established a three-tier employee communication system covering institutional communication, perfo
rmance and development communication, and daily care communication, with diversified channels including employee forums, performance review discussions, CEO mailbox, compliance reporting inbox, ensuring that employee concerns are promptly addressed and effectively resolved.
Going forward, the Company will continue to optimize employee communication mechanisms, planning to resume the annual employee engagement survey in 2026, establish a systematic employee voice collection mechanism, and advance the routine implementation of democratic management mechanisms in accordance with laws and regulations, further protecting employees' rights to participate in corporate democratic management.

Communication and Reporting Channels

partnership@antaisolar.com

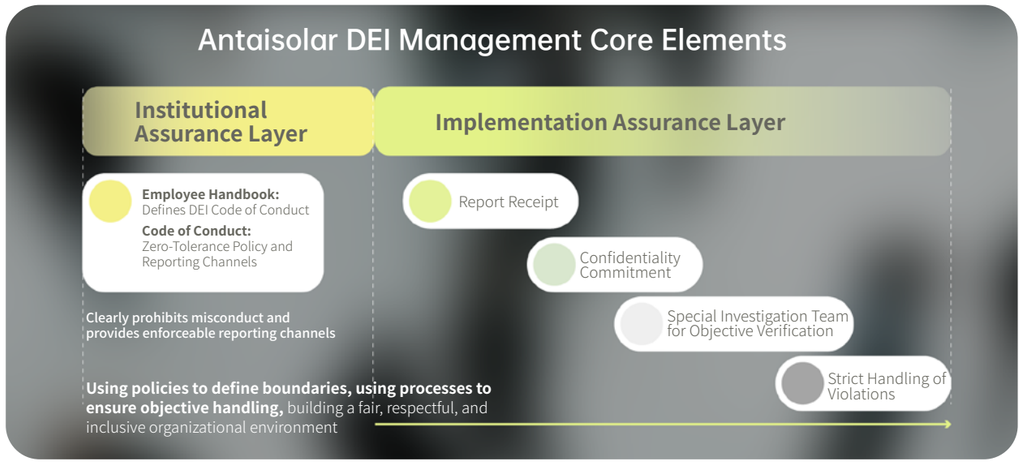
0592-5968991

Diversity, Equity and Inclusion (DEI)

Antaisolar is committed to building a diverse, equitable, and inclusive workplace, firmly opposing all forms of discrimination and ensuring equal opportunities and treatment for all employees.

Policy Development

The Company explicitly prohibits discrimination based on gender, race, religious belief, nationality, age, disability, or other dimensions in recruitment, promotion, and compensation distribution in its Employee Handbook and Code of Conduct, and actively promotes equal pay for equal work. The Company maintains a zero-tolerance policy toward harassment, bullying, and abusive behavior, with disciplinary actions ranging from warnings, suspension, to termination depending on severity, and criminal liability for serious cases. The Company has established multiple reporting channels including email, phone, and mailbox to ensure employees can promptly report workplace violations, commits to strict confidentiality of reported information, and has established dedicated investigation teams for objective verification, with confirmed violations handled strictly in accordance with laws and regulations.



Women's Rights Protection

The Company continuously focuses on the career development and physical and mental health of female employees. As of the end of the Reporting Period, female employees accounted for approximately 50% of Antaisolar's total workforce. The Company provides equal development opportunities and promotion pathways for female employees, and actively attracts outstanding female talent from diverse backgrounds through campus recruitment and other channels. In daily care, the Company regularly conducts women's health awareness and specialized activities, and provides comfortable private rest spaces for female employees.

Global Team Integration

With the continued expansion of overseas business, the Company actively promotes cross-cultural integration and global team building. In 2025, Antaisolar successfully hosted a Global Team Integration Week at its Xiamen headquarters, bringing together employee representatives from different cultural backgrounds both at home and abroad, integrating three modules – global business training, strategic planning workshops, and multicultural experiences – effectively enhancing the Company's cross-cultural management effectiveness. As of the end of the Reporting Period, the Company's overseas employee count had grown to nearly 70, more than doubling since 2024. Through continuous cross-cultural exchange platforms, the Company strives to ensure that employees of all nationalities and backgrounds find belonging and growth opportunities at Antaisolar.

Global Team Integration Week event



In the 2025 double materiality assessment, the Company noted a noteworthy management signal: department heads attach significantly higher priority to this topic. This gap reflects that, with Antaisolar's accelerating globalization, frontline managers are directly facing practical challenges of multicultural integration and cross-cultural management, while senior management's strategic awareness of this topic has not yet fully caught up. The Company has incorporated this finding into next year's management improvement plan, and will enhance senior management consensus on the strategic value of DEI through specialized discussions and training, elevating diversity, equity, and inclusion from proactive operational practice to a core topic at the top governance level.

Number of women in senior management positions

9 persons

Proportion of women in senior management positions

41 %

Discrimination and harassment incidents

0 cases

Percentage of employees trained on diversity, discrimination, and/or harassment across all locations

100 %

Antaisolar Workforce Data and Performance

Employee Composition Performance

Total full-time employees

689 persons

Non-directly employed workers

58 persons

New hires

274 persons

Female employee ratio

49.35%

Employee turnover rate

39.52%

By Location

- Mainland China employees: **669** persons
- Hong Kong, Macao, Taiwan employees: **0** persons
- Overseas employees: **20** persons

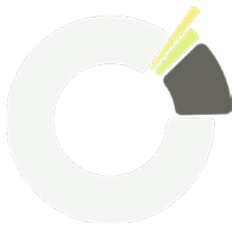
By Gender

- Male employees (direct hires): **349** persons
- Female employees (direct hires): **340** persons

By Age

- ⩽ 30: **212** persons
- 30 – 50: **397** persons
- ⩾ 50: **80** persons

By Rank



- Senior management: **6** persons
- Middle management: **18** persons
- General management: **83** persons
- General management: **582** persons

Employee Training Performance

Employee Training

Total full-time employee training participants

3411 person-times

Percentage of employees trained **94%**

Company training investment

0.4 million

Average training hours per employee: **28** hours

By Gender – Average Training Hours

- Male employees: **28.56** hours
- Female employees: **27.44** hours

Employee Care

Social insurance coverage

100%

Male employees entitled to parental leave – total

15 persons

Female employees entitled to parental leave – total

17 persons

Male employees taking parental leave – total

11 persons

Female employees taking parental leave – total

14 persons

Employee Communication

Collective agreement coverage

100%

Percentage of employees covered by formally elected employee representatives, across all regions

15%

Operating points with significant child labor or forced labor risks

0%



PART 04 SYMBIOSIS

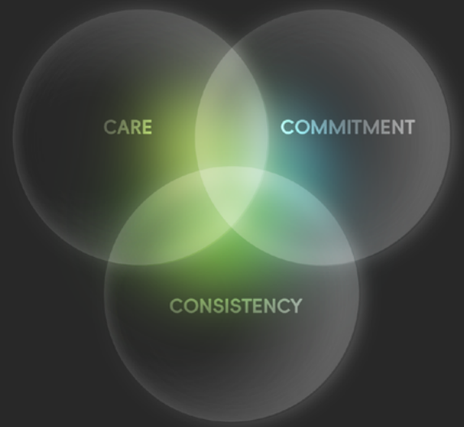
Antaisolar regards green and low-carbon as the foundation of high-quality corporate development.

In 2025, guided by the core principle of "Symbiosis", the Company elevated environmental protection from compliance requirements to strategic commitment – from refined environmental management in production processes, to product lifecycle carbon footprint traceability, to green empowerment of downstream customers through clean technologies – Antaisolar is taking concrete actions to drive deep synergy between economic growth and ecological protection.

EcoRaise Global Ecological Co-construction Program

Antaisolar has officially launched the 「EcoRaise」Global Ecological Co-Construction Program, with a dedicated fund of RMB 50 million to drive the deep integration of ecological protection and sustainable development practices through a systematic action framework. This marks a strategic step for the Company to extend its ESG efforts from internal management to external ecological contribution.

The EcoRaise Program is built on three core philosophies: "Care, Commitment, and Consistency" , and is guided by the mission of “Rooted in the RAISE strategy, practicing ESG principles, and co-creating a green and sustainable future.”



Specifically, "Care" reflects Antaisolar's profound concern for the environment, society, and every partner — taking every detail of sustainable development into account. "Commitment" demonstrates the company's resolve to translate ideals into tangible actions — not as a spokesperson for slogans, but as a doer of deeds. "Consistency"embodies Antaisolar's unwavering determination to stay the course on the path of sustainable development.

Dual Mission

The EcoRaise Program is designed with a dual mission: to build an influential platform for sustainable development practices that brings together enterprises, social organizations, environmental advocates, and the public, driving effective environmental actions globally through resource integration, experience sharing, and knowledge exchange; and to go beyond advocacy by translating environmental ideals into tangible sustainable practices. Leveraging our professional expertise in the new energy sector, we embed ESG principles into every aspect of our public welfare activities, contributing to environmental improvement and social sustainability through concrete actions, and achieving synergistic development among the Company, society, and the environment.

Platform for Sustainable Development Practices

Driver of Sustainability Practices

Four Action Pillars

Environmental Protection

Strengthen water recycling in production to reduce waste; promote the principles of "reduction, reutilization, and non-hazardous" in waste management, optimize treatment processes, and improve recycling rates; enhance internal energy consumption control, promote energy-saving technologies and equipment, and reduce energy intensity; invest in R&D of environmentally friendly and efficient processes to reduce emissions at the source

Biodiversity Conservation

Integrate biodiversity protection into the Company's long-term strategic planning, build cross-sector collaboration platforms, and partner with public welfare organizations and environmental institutions to carry out donation drives, field activities, and educational initiatives that popularize conservation knowledge and raise public ecological awareness, contributing corporate strength to maintaining global biodiversity stability

Green Energy Development

Leverage Antaisolar's resources and technological advantages in the PV sector to scale up clean energy project investment and construction, develop large-scale PV power plants and distributed PV projects, actively build zero-carbon factories, and help increase the share of green energy in the global energy mix

Sustainable Lifestyle Advocacy

Foster sustainability awareness among employees through internal environmental training and green lifestyle themed activities; promote green commuting by encouraging employees to choose low-carbon transport options such as public transit, cycling, and walking; advocate plastic-reduction actions to minimize single-use plastic products; call for food waste reduction, creating a company-wide culture of sustainable living

First Implementation Action:

As the first step of the EcoRaise Global Ecological Co-construction Program, Antaisolar partnered with the Shenzhen Mangrove Wetlands Conservation Foundation (MCF) to donate dedicated funds for the protection of 2,000 m² of mangroves in Quanzhou, Fujian.

As a vital coastal wetland ecosystem, mangroves play an irreplaceable role in carbon sequestration and emission reduction, biodiversity conservation, and coastal protection. For detailed outcomes and external recognition of the mangrove conservation project, please refer to the Biodiversity Protection chapter of this Report.
Antaisolar will continue to leverage the EcoRaise Program as a long-term vehicle to deepen project implementation across the four action pillars, and plans to disclose the investment direction, project progress, and ecological outcomes of the dedicated fund in subsequent reports, demonstrating the company's tangible contributions to global ecological governance in a transparent and traceable manner.

Environmental Management System

Antaisolar strictly complies with the Environmental Protection Law of the People's Republic of China and other domestic and international environmental regulations, ensuring that all global operating sites strictly adhere to local legal requirements and fulfill environmental management responsibilities. In 2025, the Company continued to implement the Occupational Health, Safety and Environmental Management Process, clearly defining the responsibilities of relevant functional departments in the management of production safety hazards and environmental safety hazards, establishing a long-term mechanism for hazard identification and rectification, and preventing and reducing the occurrence of related incidents.
The Company has established a scientifically sound environmental management structure, continuously strengthening environmental governance effectiveness by defining and implementing environmental management responsibilities at all levels. In daily operations, the Company strictly enforces environmental management accountability mechanisms – if material environmental violations are found during internal environmental reviews or operations, or if environmental emergencies occur, a graded response will be implemented based on the nature, scope, and severity of the incident, with disciplinary measures against responsible departments and management personnel including but not limited to performance rating downgrades, financial penalties, and position adjustments, depending on the severity of the circumstances.

Board of Directors

Approve internal policies and systems related to environmental management.

Supervise the implementation of environmental management goals and annual plans.

Establish environmental management goals and annual plans.

Research and formulate mid-to-long-term strategies for energy conservation, emission reduction, and environmental protection.

EHS Department (Environment, Health & Safety)

Supervise the environmental management work across all departments.

Coordinate the promotion of environmental protection policies and organize specialized environmental management training.

Implement the mid-to-long-term strategies for energy conservation, emission reduction, and environmental protection, and embed environmental protection concepts throughout the production and operational processes.

All Departments (Various Departments)

Implement specific environmental management measures in accordance with the management plan and goals set by the company's EHS Department.

In capability building, in 2025 the Company conducted specialized hazardous waste management training for production departments, covering hazardous waste safety operating procedures and key management requirements for collection, transportation, temporary storage, and disposal, with assessment mechanisms to reinforce training effectiveness, effectively enhancing employees' awareness and capability for standardized hazardous waste management. The Company also organized hazardous waste emergency response drills, simulating a waste cutting fluid transfer leakage incident to test the feasibility of emergency response plans and the practical capabilities of relevant personnel in protective equipment use, spill control, environmental monitoring, and personnel evacuation.

Institutional Development

Antaisolar places high importance on the standardized management of hazardous waste and has developed specialized emergency response plans for waste liquid transfer processes.

During the Reporting Period, the Company organized a hazardous waste leakage emergency drill. The drill simulated a scenario where a wastewater treatment plant employee, while transferring waste liquid from the monitoring room to the hazardous waste warehouse, accidentally caused a leakage to the floor due to operational error. Upon the incident, the on-site employee reported immediately; the EHS specialist promptly notified the environmental protection lead and initiated the emergency response procedure, with the emergency team rapidly arriving at the scene. After donning protective equipment, emergency personnel immediately contained the leakage area to prevent contaminant spread, and scientifically collected and properly disposed of the leaked hazardous waste. The entire drill was well-organized, with rapid response and standardized handling, effectively testing the operability of the Company's hazardous waste leakage emergency plan and the practical capabilities of the emergency team, further enhancing employees' emergency response capabilities and safety awareness regarding hazardous waste leakage incidents.







Hazardous Waste Emergency Response Drill



As of the end of the Reporting Period, all of Antaisolar's stable production bases have obtained ISO 14001 environmental management system certification. During the Reporting Period, the Company had no environmental pollution incidents within its operations and received no environmental-related administrative penalties.

In emissions and waste management, the Company has established a comprehensive control system covering wastewater, waste gas, and solid waste.

In wastewater management, the Company strictly standardizes production workshop wastewater treatment operating procedures, using an intelligent online wastewater monitoring system to monitor key water quality indicators including COD, ammonia nitrogen, and pH in real time, ensuring compliant wastewater discharge, while continuously improving the wastewater reuse rate.

In waste gas management, the Company uses a collection system to fully capture acid mist, alkali mist, and other exhaust gases generated during production, which are neutralized and purified through specialized treatment facilities to achieve compliant emissions – third-party testing reports for 2025 show a continued 100% waste gas emission compliance rate.

In solid waste management, the Company implements classified collection and resource utilization for general solid waste, and engages qualified professional institutions for compliant disposal of hazardous waste, ensuring 100% compliant hazardous waste disposal.

Core Emissions and Waste Management Data

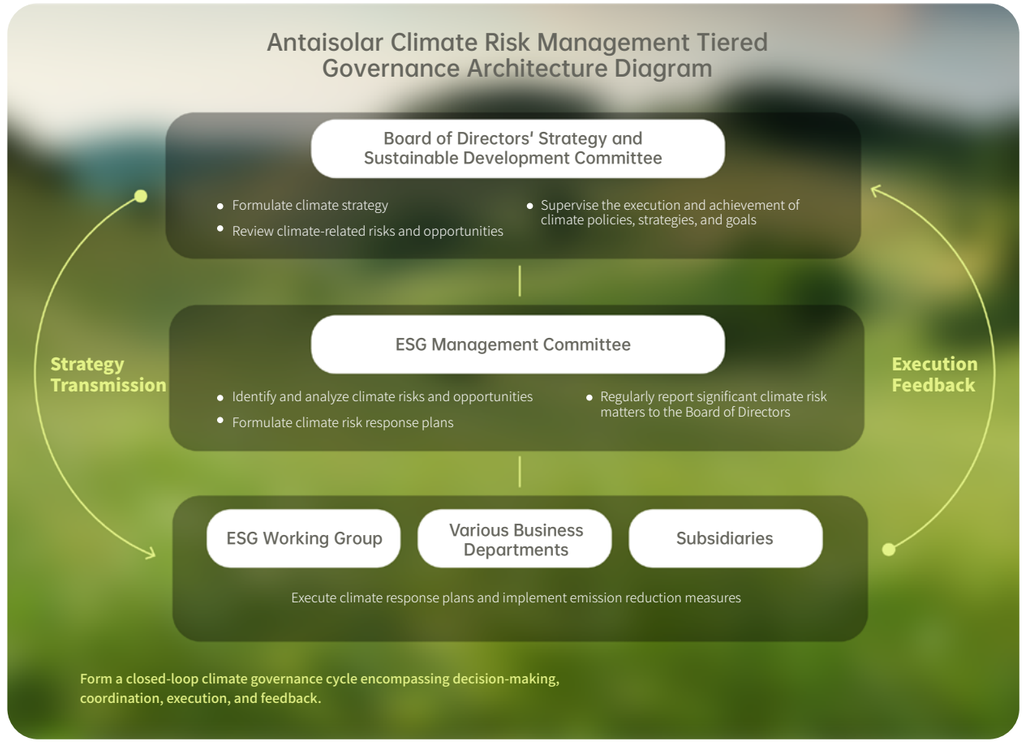
Category	Indicator		2024	2025
Wastewater	Total wastewater discharge	(tons)	35,381	44,641
	COD emissions	(tons)	3.733	1.867
Waste gas	NOx emissions	(tons)	2.49	1.03
	Particulate matter emissions	(tons)	0.03	0.01
	Waste gas emission compliance rate	(%)	100	100
Solid waste	General solid waste comprehensive utilization	(tons)	1,293.15	1,854.59
	Hazardous waste compliant disposal rate	(%)	100	100

* During the Reporting Period, the Company had no environmental pollution incidents within its operations and received no environmental-related administrative penalties.

Climate Change & Carbon Management

Antaisolar deeply embeds climate management into its three-tier ESG governance structure, forming a closed-loop management system of "strategic decision-making → management coordination → operational execution."

The Board's Strategy and Sustainability Committee serves as the highest decision-making body for climate governance, responsible for approving climate strategy direction, reviewing major climate risks and opportunities, and supervising progress toward carbon emission targets. The ESG Management Committee undertakes management coordination functions, conducting regular climate risk identification and assessment, developing phased emission reduction plans, and reporting climate progress to the Board. The ESG Working Group, in coordination with business departments and subsidiaries, implements specific emission reduction measures including energy-saving retrofits, green electricity procurement, and carbon footprint accounting, ensuring effective execution of climate actions at the operational level.



Management Approach

Antaisolar, in light of dynamic changes in domestic and international regulatory policies and industry trends, has systematically identified the major risks and potential opportunities that climate change poses to business operations, and has defined the scope and time horizon of each risk and opportunity.

Climate Risk Register

Risk Type	Risk Description	Value Chain Scope	Time Horizon
Physical Risk (Acute)	Increased frequency of extreme weather events such as typhoons and heavy rain, potentially causing factory flooding, equipment damage, and material moisture	Own operations	Short to medium-term
Physical Risk (Chronic)	Climate change leading to rising average temperatures, sea-level rise, and altered precipitation patterns	Own operations	Medium to long-term
Transition Risk (Policy)	Increasingly stringent carbon emission control policies, rising carbon market prices, and advancement of the EU CBAM	Own operations, downstream	Short to medium-term
Transition Risk (Technology)	Rapid iteration of low-carbon manufacturing and green material technologies, continuously rising industry energy efficiency benchmarks	Own operations	Medium to long-term

Climate Opportunity Register

Opportunity Type	Opportunity Description	Value Chain Scope	Time Horizon
Products & Services	Accelerating global energy transition, growing PV installation demand, increasing customer preference for low-carbon mounting products	Downstream	Medium to long-term
Energy Mix	Maturing distributed PV and green electricity trading markets, continuously declining renewable energy costs	Own operations	Short to medium-term

Impact, Risk and Opportunity Management

Antaisolar integrates climate risk into its overall risk management framework, establishing a systematic climate risk management mechanism.

The Company regularly scans and identifies major climate risks and opportunities, assesses the likelihood and impact of each risk using a combination of qualitative and quantitative methods, and develops differentiated response strategies for different risk levels.

For physical risks, the Company has developed extreme weather emergency response plans, established specialized flood and typhoon prevention mechanisms, conducts drainage system inspection and roof reinforcement before each flood season, stocks emergency drainage pumps and flood control sandbags, and organizes at least one extreme weather emergency drill annually. Based on seasonal characteristics, the Company strengthens special hazard inspections of operational facilities and production equipment, establishes issue tracking and rectification records, and optimizes product packaging moisture protection and warehouse management to prevent material loss from moisture. For chronic physical risks, the Company optimizes factory ventilation and insulation design, incorporates climate adaptation standards into new and renovation projects, installs cooling equipment in high-temperature work areas, reasonably arranges work hours during high-temperature periods, and regularly assesses long-term climate risks for coastal facilities.

For transition risks, the Company continuously tracks policy developments in China's carbon emissions trading market and EU CBAM legislation, assessing potential impacts on product exports in advance. The Company has completed ISO 14067 carbon footprint certification for core products, established a product carbon footprint database, and promoted greenhouse gas emission inventories across all production bases.

In technology risk response, the Company continuously monitors cutting-edge low-carbon manufacturing technologies in the PV mounting industry, prioritizes the promotion of proven mature energy-saving technologies, and has established a three-tier energy metering system enabling precise energy monitoring by production line and by equipment.

For climate opportunities, the Company actively promotes carbon footprint certification for core products, proactively communicates product carbon reduction data in customer interactions, and transforms low-carbon attributes into differentiated competitive advantages. The Company continues to expand its self-owned distributed PV capacity, increasing the proportion of green electricity self-sufficiency, while monitoring green electricity trading market prices and opportunistically purchasing green electricity or green certificates when economically viable.

Antaisolar recognizes the potential impact of climate change on business operations and is gradually building a systematic climate risk management mechanism. Currently, the Company has incorporated climate risk identification and assessment into its overall risk management framework, with the ESG Management Committee conducting qualitative climate-related risk identification and discussion as part of the annual risk assessment. Going forward, the Company plans to further institutionalize the climate risk management process, establishing a dedicated management mechanism covering the four-step closed loop of "risk identification → risk assessment → risk response → monitoring and improvement," while introducing climate scenario analysis tools to more quantitatively assess the potential financial impact of climate risks on the business.

Indicators and Targets

Antaisolar actively responds to the national "dual carbon" goals, incorporating climate governance into its long-term development strategy.

The Company has established phased carbon neutrality targets: achieving operational carbon neutrality in 2025, Scope 1 and Scope 2 carbon neutrality in 2030, and value chain net zero in 2035. To achieve these targets, the Company is systematically advancing emission reduction through three core pathways: green transformation of the energy mix, production process technology innovation, and carbon management mechanism development.

In green transformation of the energy mix, the Company actively promotes distributed PV power plant construction, continuously increasing the proportion of green electricity self-sufficiency. The PV power plant on the cement roof of the new plant's Building 2, constructed in an earlier phase, continues to operate stably. In May 2025, a second-phase 5,534 kW distributed PV power generation project was put into operation. As of the end of the Reporting Period, the operating PV power plants generated a total of 4,641,057 kWh in 2025, accounting for 35.41% of the plant's total annual electricity consumption, with cumulative CO_2 emission reduction of approximately 2,462.79 tons. The Company plans to further expand PV power generation capacity, continuously optimize the energy mix, and reduce reliance on purchased electricity.





5,534 kW distributed photovoltaic power generation project

Production Process Technology Innovation

In production process technology innovation, the Company continues to promote energy-saving retrofits and variable frequency equipment applications, systematically improving production energy efficiency. The finishing workshop upgraded sawing + punching separate equipment to an integrated punching-shearing machine, reducing unit product electricity consumption by 11%. The T-module drilling-tapping-chamfering integrated machine was upgraded, achieving a 50% reduction in unit product electricity consumption while doubling production capacity. The 1 00T extruder barrel heating system in the extrusion workshop was upgraded from conventional temperature control to intelligent on-off control, saving approximately 70,000 kWh annually, with actual savings of RMB 31,300 in 2025. The wastewater treatment section replaced pneumatic diaphragm pumps with self-priming sewage pumps equipped with variable frequency drives, saving approximately RMB 88,000 annually in maintenance and energy costs. The extrusion workshop and surface treatment workshop have been equipped with multiple permanent magnet variable frequency air compressors, improving compressed air system energy efficiency while saving energy.

Carbon Management Mechanism Development

In carbon management mechanism development, the Company has established a "Company → Department → Workshop" three-tier energy management organizational structure, established an Energy Saving and Emission Reduction Leading Group to coordinate company-wide energy management efforts. Energy metering equipment coverage reached 100%, with first-, second-, and third-tier metering integrity rates all at 100%. Natural gas and electricity metering network diagrams are complete, enabling separate energy consumption measurement by production line and by key equipment, providing a data foundation for precise carbon reduction. In 2025, Antaisolar obtained ISO 50001 energy management system certification, covering the energy management activities of Antaisolar's Zhangzhou manufacturing base, encompassing the design, production, and related management activities of the Company's full product range.



In 2025, Antaisolar obtained ISO 50001 energy management system certification.

The certification scope covers the energy management activities of Antaisolar's Zhangzhou manufacturing base, encompassing the design, production, and related management activities of the Company's full product range.

Indicators and Targets

Energy Consumption Data for the Reporting Period:

Indicator		2024	2025
Self-generated green electricity	(kWh)	520,067	4,641,057
Self-generated green electricity as % of plant electricity consumption	(%)	—	35.41%
Annual CO_2 emission reduction [5]	(tons)	—	2,462.79
Purchased electricity	(kWh)	20,860,800	11,069,501
Natural gas consumption	(m^3)	925,300	519,522.9
Diesel consumption	(L)	31,883.84	20,631.73
Total comprehensive energy consumption	(tons of coal equivalent)	—	2031.83
Energy consumption per unit of product [6]	(tons of coal equivalent)	—	0.06

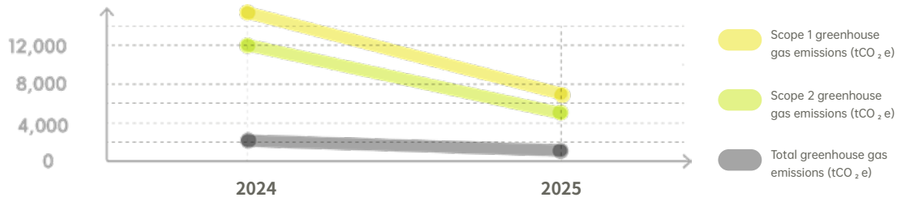
Note: 2024 self-generated green electricity percentage and cumulative emission reduction were not included in the statistical scope for that year; only 2025 data is shown.

5 Cumulative CO_2 emission reduction is calculated based on self-generated green electricity from the Company's own PV power plants. Calculation formula: Emission reduction = Self-generated green electricity × National average CO_2 emission factor for electricity. The emission factor used is 0.5306 $kgCO_2$ /kWh, sourced from the Ministry of Ecology and Environment of the People's Republic of China, Announcement on the Release of 2023 Electricity CO_2 Emission Factors. 2025 calculation: 4,641,057 kWh × 0.5306 $kgCO_2$ / kWh = 2,462,792.46 $kgCO_2$ ≈ 2,462.79 tCO_2 . This indicator was not included in the statistical scope for 2024.

6 Energy consumption per unit of product: comprehensive energy consumption per ton of PV mounting system produced.

Greenhouse Gas Emission Data:

	Scope 1 greenhouse gas emissions (tCO_2e)	Scope 2 greenhouse gas emissions (tCO_2e)	Total greenhouse gas emissions (tCO_2e)
2024 年	2,081.85	12,180.62	14,262.47
2025 年	1,239.00	5,939.89	7,178.89



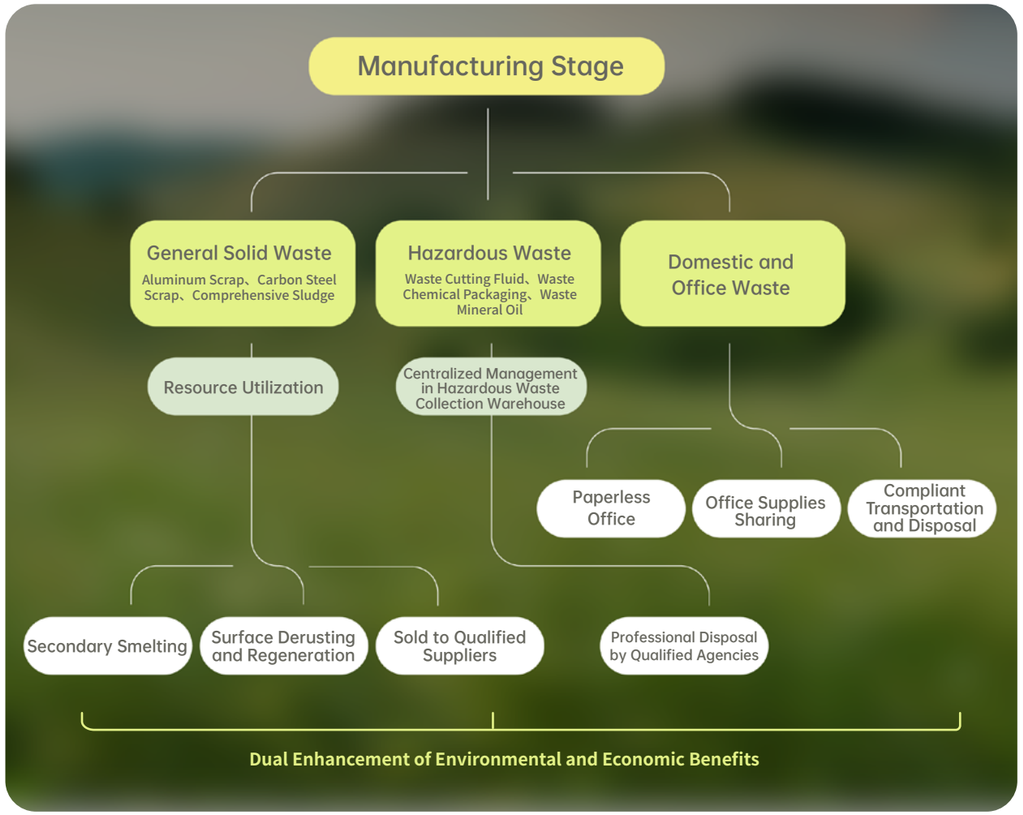
2025 Key Energy-Saving Retrofit Projects:

Project	Retrofit Content	Energy-Saving Results
Punching-shearing integrated machine replacement	Upgraded sawing + punching separate equipment to integrated punching-shearing machine in finishing workshop	Unit product electricity consumption reduced by 11%
T-module machine upgrade	T-module equipment upgrade	Production capacity doubled; unit product electricity consumption reduced by 50%
Extruder barrel heating retrofit	1800T extruder barrel heating from conventional temperature control to intelligent on-off control	Expected annual savings of approx. 70,000 kWh; actual savings RMB 31,300
Wastewater pump VFD retrofit	Replaced pneumatic diaphragm pumps with self-priming sewage pumps with VFD	Expected annual savings of approx. RMB 88,000 in maintenance and energy costs
Permanent magnet VFD air compressor application	Multiple permanent magnet VFD air compressors installed in extrusion and surface treatment workshops	Energy savings with improved compressed air system efficiency

The Company will continue to deepen the green transformation of its energy mix, expand distributed PV capacity, and continuously tap energy-saving potential in production processes. In carbon management, the Company will further improve its greenhouse gas data collection system, progressively advance Scope 3 emission accounting and management, and work collaboratively with suppliers to advance carbon reduction, contributing Antaisolar's efforts to the low-carbon transformation of the PV mounting industry.

Waste Management & Circular Economy

Antaisolar strictly complies with the Solid Waste Pollution Prevention and Control Law of the People's Republic of China, the Technical Specifications for Collection, Storage, and Transportation of Hazardous Waste, the Hazardous Waste Transfer Management Measures, and other national laws and regulations as well as environmental requirements in international operating locations, actively promoting the resource utilization of general solid waste and ensuring 100% compliant disposal of hazardous waste.



In general waste management, the Company incorporates aluminum profiles, carbon steel, and other general solid waste generated during production into a standardized management system, implementing classified collection and resource utilization. For carbon steel scrap generated in carbon steel mounting production, the Company implements specialized processing – through surface rust removal, fine grinding, and other processes for regeneration, and then applies it to the manufacturing of factory fences, canopies, and other facilities, achieving closed-loop utilization of waste materials. For various aluminum scrap generated in aluminum mounting production, the Company implements refined classification processing – through specialized secondary melting of scrap materials, achieving 100% reuse of aluminum scrap in aluminum profile production, establishing a complete closed-loop aluminum resource system of "aluminum scrap → recycled aluminum billets → high-end aluminum mounting products."

In hazardous waste management, the Company has established standardized management policies including the Hazardous Waste Pollution Prevention and Standardized Management Policy and the Hazardous Waste Utilization/Disposal Process, set up a hazardous waste collection warehouse for unified collection management, and engages qualified professional hazardous waste disposal companies for specialized and standardized collection, transportation, and disposal of various hazardous wastes generated during production – including waste cutting fluid, waste chemical packaging, and waste mineral oil – ensuring 100% compliant hazardous waste disposal.
In circular economy practice, the Company continues to deepen its aluminum recycling system. In 2025, Antaisolar's aluminum scrap recycling volume continued to grow, with recycled aluminum billets produced through remelting, maintaining a high scrap recycling rate. This circular model aims to reduce the Company's raw material costs, contribute to carbon emission reduction and solid waste reduction, and promote the Company's green and low-carbon transformation.



In addition, the Company continues to deepen green operational practices through comprehensive paperless office implementation and office supply sharing mechanisms, effectively improving resource utilization efficiency and reducing general solid waste generation.

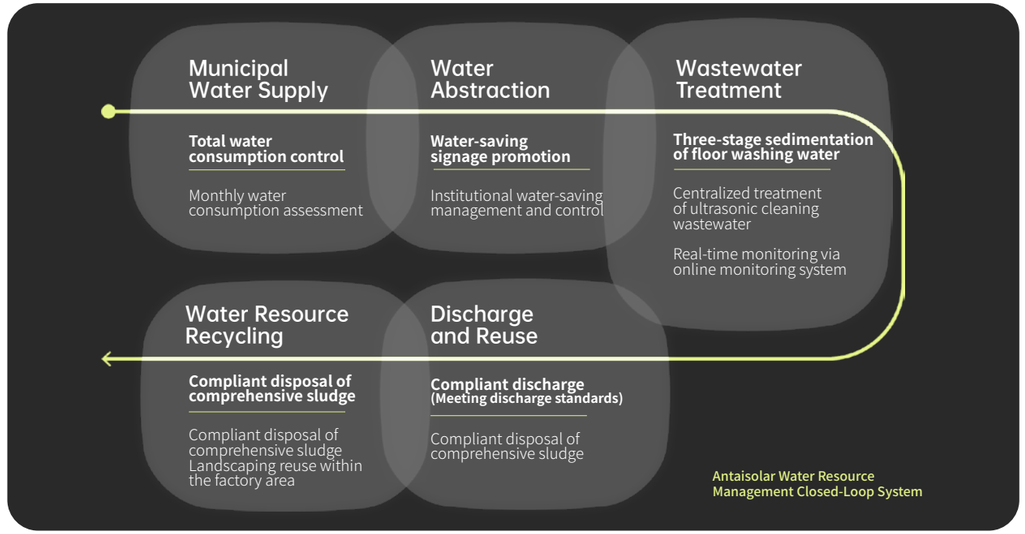
Waste Management Performance

Indicator		2024	2025
Total aluminum scrap recycled	(tons)	2,405.08	2682.37
Recycled aluminum billets produced	(tons)	2,250.37	2515.43
Scrap recycling rate	(%)	93.6	93.78
Total hazardous waste generated	(tons)	9.26	127.89
General solid waste comprehensive utilization	(tons)	1,293.15	1,854.59
Hazardous waste compliant disposal rate	(%)	100	100

Water Management

Antaisolar strictly complies with the Water Law of the People's Republic of China, the Water Pollution Prevention and Control Law of the People's Republic of China, the Regulations on the Administration of Water Abstraction Permits and Water Resources Fee Collection, and other applicable laws and regulations as well as relevant provisions in overseas operating locations. The Company has established a water resource management policy framework covering the entire process of water abstraction, usage, wastewater treatment, and discharge.

In 2025, the Company standardized water resource management through five core policies – the Total Water Consumption Control Management Policy, Water Supply Management Policy, Wastewater Treatment Management Policy, Wastewater Treatment Facility Operation Management Policy, and Wastewater Discharge Permit Management Policy – ensuring that each stage is guided by clear rules and compliant operations.



In water conservation management, the Company primarily relies on institutional controls, monitoring and controlling water consumption at each stage through a monthly water consumption assessment mechanism and implementing accountability for water waste. At the same time, through water-saving signage in water use areas, the Company continuously promotes water conservation awareness among employees, integrating water-saving concepts into daily work habits.


Wastewater online monitoring system equipment


Floor Washing Water Three-Stage Sedimentation Tank

In wastewater treatment and facility upgrades, in 2025 the Company focused on enhancing wastewater collection and treatment capacity. In wastewater collection, the Company installed a three-stage sedimentation tank for mop washing and floor washing water, directing floor washing wastewater to the wastewater treatment station for centralized treatment, eliminating the issue of untreated wastewater being directly discharged to the external environment at the source and ensuring that all operational wastewater enters compliant treatment channels. In wastewater treatment process optimization, the original ultrasonic cleaning wastewater was treated and reused for factory landscaping. In 2025, the Company redirected ultrasonic cleaning wastewater to the Phase 2 wastewater treatment station for centralized treatment, leveraging online monitoring equipment for real-time monitoring of key water quality indicators including COD, ammonia nitrogen, total copper, total nitrogen, and pH, ensuring compliant wastewater discharge.
For wastewater online monitoring, the Company engages qualified external institutions to provide professional operation and maintenance services for online monitoring equipment, ensuring that monitoring data is truthful, accurate, and continuous, providing reliable data support for compliant wastewater discharge.

Water Management Performance

Indicator		2024	2025
Total water withdrawal	(tons)	54,957	60,621
Water consumption	(tons)	19,576	15,980
Total wastewater discharge	(tons)	35,381	44,641
COD emissions	(tons)	2.282	1.867
Ammonia nitrogen emissions	(tons)	0.079	0.162
Total sludge generation	(tons)	746.71	958.42
Sludge compliant disposal rate	(%)	100	100
Wastewater discharge compliance rate	(%)	100	100

In sludge disposal, in 2025 the Company generated a total of 958.422 tons of sludge, all of which was transferred to qualified enterprises with sludge disposal qualifications for specialized recovery and resource reuse. The entire sludge disposal process is traceable, ensuring compliance.
During the Reporting Period, the Company had no environmental violations in wastewater management, with a continued 100% wastewater discharge compliance rate. The Company will continue to deepen refined water resource management, building on existing institutional controls while exploring the technical feasibility of deep water-saving projects such as wastewater reuse, further improving water resource utilization efficiency and steadily advancing toward the goal of zero wastewater discharge.

Biodiversity Protection



Antaisolar deeply understands the importance of biodiversity protection and, in project construction and daily operations, strictly complies with local and international regulatory requirements for biodiversity impact assessment and management, integrating ecological protection concepts throughout its operations. After verification, as of the end of the Reporting Period, none of Antaisolar's operating sites are located in or adjacent to nature reserves, biodiversity-rich areas, or other ecologically sensitive areas.

Agrivoltaic Ecological Synergy

Antaisolar actively promotes agrivoltaic solutions, achieving the combined use of "agricultural cultivation + PV power generation" on the same land, practicing the sustainable development philosophy of "dual returns from the same land." Against the backdrop of tightening global farmland resources and increasing water stress, agrivoltaics can retain agricultural production functions while adding clean energy output, significantly improving land use efficiency. Multiple studies have shown that agrivoltaic systems can improve soil moisture through module shading and reduce evaporation – in some scenarios, soil moisture can increase significantly and water resource utilization efficiency can improve markedly. For some fruit crops, yields can increase substantially under suitable conditions.
The agrivoltaic tracking system developed by Antaisolar fully considers agricultural production needs, providing flexible ground clearance and row spacing configurations to ensure unobstructed passage for large agricultural machinery. The system is equipped with the SmartTrail intelligent control system, which includes "harvest mode" and "crop mode" – dynamically optimizing lighting conditions for crop growth while ensuring agricultural operational convenience. The Company has completed the installation of two agrivoltaic tracking system projects in Spain, with a total installed capacity of 150 kWp, ground clearance of 5 meters, and foundations installed between rows of large crops such as olive trees – both installations have been completed and are awaiting grid connection.



The Spanish case study of solar power and agriculture integration

Ecological Protection Public Welfare Initiatives

Beyond its own operations, Antaisolar actively engages in ecological protection public welfare initiatives, with mangrove protection as the first implementation action of the EcoRaise Global Ecological Co-Construction Program.

Mangroves, as an irreplaceable ecosystem along tropical and subtropical coastlines, play a vital role in biodiversity conservation, carbon sequestration and storage, wind and coastal protection. The Quanzhou Bay Estuarine Wetland Nature Reserve is home to numerous rare species, with monitoring records showing 205 species of wild birds inhabiting the area, including 11 species of nationally protected birds, and is also a habitat for aquatic species including the Chinese white dolphin and mudskippers.
In 2025, Antaisolar partnered with the Shenzhen Mangrove Wetland Conservation Foundation (MCF) to make a targeted donation for the protection of 2,000 square meters of mangrove wetlands in Quanzhou, Fujian. This initiative is the first step of the EcoRaise Global Ecological Co-Construction Program, which has simultaneously established a dedicated fund of RMB 50 million. Going forward, the program will continue to carry out activities in four areas – ecological restoration, biodiversity protection, public education, and community sustainable development – expanding ecological protection from individual actions to a long-term strategy.
Antaisolar will continue to deepen biodiversity protection practices, with the EcoRaise Global Ecological Co-Construction Program as a long-term vehicle, continuously advancing mangrove wetland protection, rare species habitat restoration, and other public welfare projects. The Company will systematically assess the effectiveness of various ecological protection initiatives, explore a long-term mechanism that combines philanthropic investment with quantitative ecological performance management, and contribute Antaisolar's strength to global biodiversity protection.







Antaisolar will continue to deepen biodiversity protection practices, with the agrivoltaic tracking system as a core vehicle, further optimizing the "power generation above, cultivation below" integrated land use technology solution. In subsequent projects, the Company will systematically conduct ecological baseline surveys and impact assessments, gradually establish a long-term biodiversity protection mechanism, and continue to explore ways to combine technological innovation with public welfare actions, elevating ecological protection from compliance baseline to a new dimension of value creation.

Clean Technology Opportunities & Green Products

Antaisolar has always been driven by technological innovation as its core engine, committed to creating green value for customers through efficient and intelligent PV mounting products.

The Company focuses on the core field of PV mounting systems, continuously launching competitive clean technology products across three directions – materials R&D, mounting system product iteration, and intelligent systems. In 2025, multiple core technology products were developed and brought to market, driving improvements in PV plant power generation efficiency and LCOE reduction through technological innovation, contributing to the global energy transition.

1 Clean Technology Market Opportunities

The accelerating global energy transition presents structural growth opportunities for the PV mounting industry.

With continued growth in PV installation demand, downstream customers have higher requirements for mounting products' low-carbon attributes, power generation efficiency, and full-lifecycle reliability. Leveraging its technological accumulation in intelligent tracking control, high-performance materials, and digital design, Antaisolar is transforming low-carbon product demand into differentiated competitive advantages. In 2025, the Company's core products obtained ISO 14067 carbon footprint certification, providing downstream customers with traceable carbon data foundations to support their green procurement and financial decisions.

2 Product Green Value Quantification

Antaisolar continuously quantifies the carbon reduction contributions of its clean technology products, providing customers with traceable green value data.

Through smart tracking systems that improve PV plant power generation efficiency, the Company helps downstream customers obtain more green electricity at the same installed capacity, reducing plant LCOE. Bifacial modules combined with intelligent tracking dynamic angle control can significantly improve power generation gains. Agrivoltaic systems achieve efficient land use through the "power generation above, cultivation below" integrated model, delivering dual returns from power generation revenue and agricultural output to customers. These clean technology products have been successfully deployed in pilot projects in Spain.

3 Customer Green Finance Enablement

Antaisolar's clean technology products are providing strong support for customers to access green financing.

Product carbon footprint certification and quantifiable carbon reduction data provide critical data foundations for downstream power plant projects' green bond issuance, green loan approval, and ESG rating improvement. The Company continuously monitors global green finance policy developments, committed to helping customers reduce financing costs and broaden financing channels through clean technology products, promoting the inclusive development of clean energy.







Aluminum Structures Carbon Footprint Certification Document



Steel Structures Carbon Footprint Certification Document

Antaisolar will continue to increase clean technology R&D investment, deepening technological development in the three core areas of intelligent tracking algorithms, new material applications, and digital design platforms. The Company will further quantify the carbon reduction contributions of core products, expand application scenarios for clean technology products, drive the green transformation of the PV mounting industry through technological innovation, and contribute Antaisolar's strength to the global energy transition and sustainable development.



PART05 ENGAGEMENT

Antaisolar firmly believes that the long-term development of an enterprise is rooted in the shared prosperity of the industry chain and the harmonious coexistence with society.

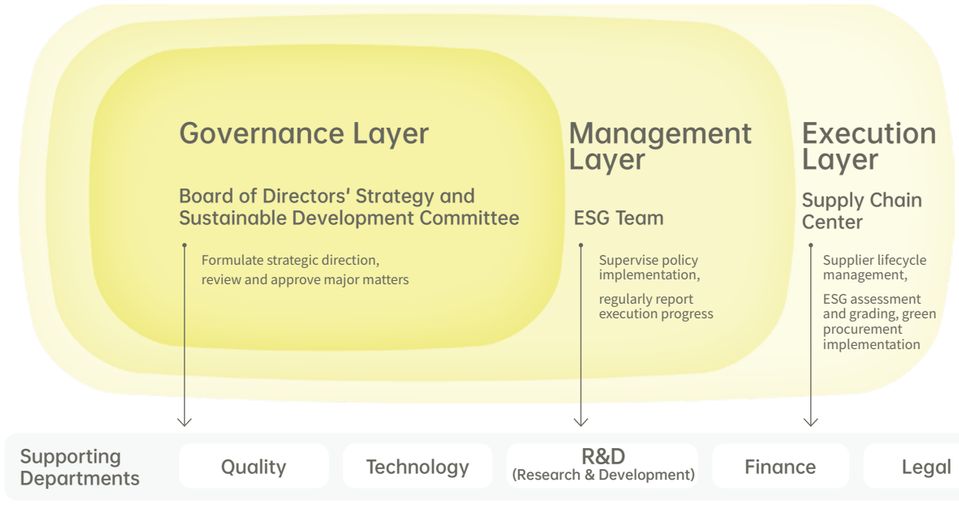
Guided by the principle of "Co-Creation and Win-Win Cooperation," we embed compliance baselines and value co-creation into every aspect of supply chain management – from supplier qualification reviews to full-chain human rights due diligence traceability, from responsible sourcing of key raw materials to localized integration in overseas communities. Antaisolar is taking concrete actions to build a transparent, resilient, and win-win sustainable supply chain ecosystem. At the same time, we actively collaborate with industry partners and research institutions to promote technology sharing and standard setting in the PV mounting field, making the power of cooperation a driver of industry progress.

Supply Chain Due Diligence

Antaisolar regards supply chain due diligence as the compliance baseline and core responsibility of its global operations.

In 2025, the Company systematically established a supply chain sustainable development management system, with the Sustainable Procurement Policy as the top-level framework, the Supplier Code of Conduct as the behavioral baseline, the Supplier Integrity Cooperation and Anti-Bribery Compliance Commitment as the legal constraint, and the Supply Chain Risk Assessment Policy as the evaluation standard, forming a closed-loop ESG management system covering the entire supplier lifecycle.
In terms of organizational structure, the Company has established a three-tier sustainable procurement governance structure: "Governance Layer → Management Layer → Execution Layer." The Board's Strategy and Sustainability Committee serves as the governance layer, responsible for setting sustainable procurement strategic direction and approving major matters. The ESG Working Group serves as the management layer, supervising policy implementation and target execution, and reporting regularly to the Board. The Supply Chain Center serves as the execution layer, responsible for full-lifecycle supplier management, ESG assessment and grading, and green procurement implementation.

Antai Sustainable Procurement Governance Framework



In terms of procurement principles, the Company has established four sustainable procurement principles: "Compliance Baseline, Green and Low-Carbon, Responsibility and Accountability, and Collaborative Win-Win," embedding environmental, social, and governance requirements across the entire lifecycle of supplier admission, performance, and evaluation.

Supplier Code of Conduct and Zero-Tolerance Red Lines

The Company uses the Supplier Code of Conduct as its core instrument, implementing unified behavioral baseline management for all cooperating suppliers. The Code covers five dimensions: labor rights, health and safety, environmental protection, business ethics, and management systems, explicitly prohibiting child labor, forced labor, corporal punishment, discrimination, and other human rights violations, and requiring suppliers to cascade these standards to their upstream supply chains. The Company implements strict "zero-tolerance" red-line management for suppliers. For serious violations such as child labor, forced labor, major safety accidents, severe environmental pollution, and bribery or corruption, cooperation will be immediately terminated upon verification and the supplier will be placed on a blacklist, firmly safeguarding supply chain compliance baselines.

Supplier Human Rights Due Diligence

The Company conducts human rights risk screening and on-site audits of core suppliers, with a focus on assessing labor and employment compliance of steel and aluminum suppliers.

At the supplier admission stage, the Company requires all cooperating suppliers to sign the Supplier Code of Conduct and the Supplier Integrity Cooperation and Anti-Bribery Compliance Commitment, establishing compliance barriers at the source. In response to the full implementation of the EU Forced Labour Regulation, the Company is establishing a full-chain traceability mechanism for key raw materials to address the regulatory requirement placing the burden of proof on enterprises. The Company is simultaneously monitoring the implementation progress of the EU Corporate Sustainability Due Diligence Directive (CSDDD) and continuously assessing its impact on supply chain management.

Antaisolar Supplier Human Rights Management Closed-Loop



Reporting Channels and Accountability Mechanisms

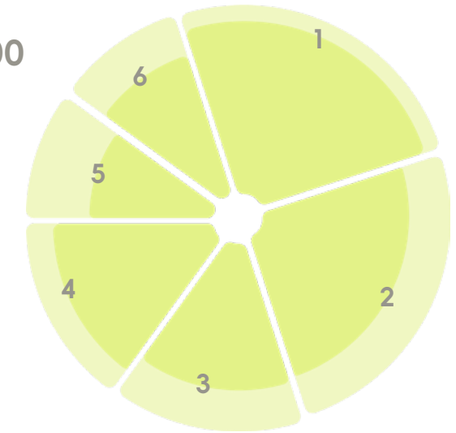
The Company has established diversified reporting and communication channels to ensure that suppliers, employees, and other stakeholders can conveniently and securely report supply chain compliance issues. The Company has set up a cooperation email, a compliance reporting email, and a reporting hotline, with strict confidentiality of reported information and a dedicated investigation and handling mechanism to ensure timely response to every piece of feedback. For suppliers that violate human rights protection requirements, the Company will take measures ranging from corrective action deadlines and suspension of cooperation to termination of cooperation, depending on the severity of the violation.

Supply Chain Risk Assessment and Continuous Improvement

In 2025, the Company completed its first systematic supply chain risk assessment, with an overall risk level of Low.

The assessment covered six dimensions: supplier risk, procurement and performance risk, logistics and warehousing risk, inventory and production synergy risk, information systems and data risk, and external environment and compliance risk. The assessment identified no high-risk issues such as major supplier compliance violations, significant procurement quality anomalies, or major ESG violations.

Total
83 / 100
Low



	Assessment Dimension	Score	Weight
1	Supplier Risk	23	25
2	Procurement and Performance Risk	20	25
3	Logistics and Warehousing Risk	12	15
4	Inventory and Production Synergy Risk	13	15
5	Information Systems and Data Risk	7	10
6	External Environment and Compliance Risk	8	10

For improvement areas identified in the assessment – such as incomplete ESG documentation among some suppliers and insufficient performance stability – the Company has developed specialized rectification plans with assigned responsible departments and completion deadlines, continuously advancing supply chain ESG management improvement. In digitalization, the Company has planned a "one hub, five facets" digital architecture and is advancing the supplier relationship management system project to enable online management and real-time monitoring of supply chain ESG data.

Supply Chain Due Diligence Performance

Indicator		2025
Core supplier Code of Conduct signing rate	(%)	85.19%
Core supplier human rights audit coverage	(%)	-
Supplier ESG training sessions	(次)	4
Tier 1 supplier ESG training coverage	(%)	100
Suppliers terminated due to human rights or compliance issues	(个)	0
Supply chain risk assessment total score		83 分 (Low)

Some indicators are included in the statistical scope for the first time; data will be progressively improved in future reporting cycles.

Antaisolar will continue to deepen its supply chain due diligence management system, accelerate the construction of the full-chain traceability system for key raw materials, and improve the coverage and depth of human rights audits of core suppliers. The Company will advance the construction of its supplier relationship management system to enable online management and real-time monitoring of supply chain ESG data, and will continue to monitor the subsequent progress of EU supply chain regulations to ensure dynamic updates and effective execution of compliance response plans.

Responsible Minerals & Critical Raw Materials Management

Antaisolar embeds responsible sourcing principles throughout the entire process of critical raw material management. Guided by the Sustainable Procurement Policy as its core framework, the Company has established a responsible sourcing management framework for key raw materials covering three pillars: environmental compliance, social compliance, and supply chain resilience.



In environmental compliance, the Company requires key raw material suppliers to establish environmental management systems, incorporates biodiversity protection into core supplier evaluation criteria, and explicitly prohibits the admission of suppliers whose production and operation sites are located within ecological protection red lines, nature reserves, or other protected areas. In social compliance, the Company strictly prohibits the procurement of conflict minerals, requires suppliers to cascade ESG requirements to their upstream supply chains, and implements source verification for key raw materials such as aluminum and steel to ensure full-chain compliance and transparency.
In supply chain resilience, the Company continuously monitors the risk of geographic concentration of key raw materials, reducing supply chain disruption risks from single suppliers or regional concentration through the establishment of diversified supplier pools and the cultivation of alternative supply channels. In the 2025 supply chain risk assessment, the Company scored well in the external environment and compliance risk dimension, with overall risk under control. For improvement areas identified in the assessment – such as incomplete ESG documentation among some suppliers – the Company has developed specialized rectification plans and is continuously advancing implementation.

Local Community Relations & Social License

Antaisolar understands that global business operations cannot succeed without the trust and support of the communities in which we operate.

As the Company's overseas business continues to expand, we regard community relationship management as an important safeguard for the stable operation of overseas factories, and are committed to building long-term partnerships based on mutual respect and shared development with project-host communities.
In localized employment, the Company actively implements a localization talent strategy, prioritizing the recruitment of employees from project-host communities and creating local employment opportunities. Through cross-cultural exchange platforms and global team integration weeks, the Company promotes exchange and integration between domestic and international employees, ensuring that Antaisolar employees of all nationalities and backgrounds find belonging and opportunities for growth.






Manufacturing Base Open Day







2025 Annual Celebration

In community communication, the Company has established normalized community communication mechanisms, proactively understanding local community expectations and concerns through regular community visits, forums, and factory open days, and promptly responding to community needs. The Company strictly complies with local laws and regulations in overseas factory operations, respects local cultural traditions and community customs, and strives to achieve harmonious coexistence between business operations and community development.
In local procurement, the Company prioritizes the procurement of services and goods from local enterprises, subject to product and service quality and reasonable pricing, supporting local industrial chain upgrading and economic development, and driving shared community prosperity.

Overseas employees

20 persons

Community complaints or conflicts at overseas factories

0 cases

✳ Some indicators are included in the statistical scope for the first time; "localization hiring rate," "community complaints or conflicts," and "community investment amount" will be collected going forward.






Industry Cooperation & Standard Setting

Antaisolar embraces the philosophy of open cooperation, actively participating in industry standard setting and technical exchange activities, and is committed to promoting technological progress and standardized development in the PV mounting industry.

In standard setting, leveraging its technical accumulation in the PV mounting field, the Company participates in the development of relevant international and domestic technical standards, transforming Antaisolar's practical experience into industry-wide norms. In industry-university-research cooperation, the Company has established long-term partnerships with renowned domestic and international universities and research institutions including Universidad Politécnica de Madrid, Shijiazhuang Tiedao University, and the Spanish National Renewable Energy Centre (CENER), conducting joint research in frontier areas including intelligent tracking system development, PV mounting wind characteristic testing, and aluminum alloy composition research.

In industry exchange, as a member of the China Photovoltaic Industry Association, the Company actively participates in industry forums, technical seminars, and exhibitions, sharing technological achievements and market insights with industry peers and upstream/downstream partners. During the Reporting Period, leveraging its outstanding technological innovation capabilities and market performance, the Company was again included in the "Global Top 500 New Energy Enterprises" and received multiple industry honors including "Carbon Neutrality Green Influence Leading Brand." Antaisolar will continue to deepen industry cooperation, actively participate in the development of more international and domestic technical standards, expand the depth and breadth of industry-university-research cooperation, and drive the sustainable development of the PV mounting industry through technological innovation and standard leadership.

Jointly organized a market development and customer exchange event in Tokyo with JA Solar and Sungrow, under the theme "グリーンな未来へ (Towards a green world)," aiming to promote regional cooperation and further develop PV and energy storage business in the Japanese market.



Participated in the Guangdong New Energy Power Development Conference and the 12th Guangdong PV Forum, showcasing full-scenario mounting solutions and engaging with 500+ industry elites on new energy development.



Hosted a New Energy Industry Innovation Salon under the theme "Exploring the Path of Anti-Involution and High-Quality Development for Enterprises," engaging in in-depth discussions with alumni representatives from Xiamen University MBA/EDP across various fields on industry "anti-involution," addressing challenges such as low-price competition and product homogenization, and exploring breakthrough paths including technological innovation, differentiated positioning, and overseas market expansion.



Participated in the 6th China Commercial & Industrial PV Conference hosted by the well-known media PV Box, discussing industry trends, technological innovation, business model innovation, project development, industrial safety, and financial solutions with industry peers under the "carbon peaking and carbon neutrality" policy framework, seeking new opportunities in the C&I PV market.



Participated in the 10th New Energy Industry Conference organized by Guoneng.com, sharing practical insights on core industry topics and providing references for addressing industry pain points, proposing a logic chain of "cost advantage → external collaboration → ecological win-win," achieving cost control and delivery advantages through internal vertically integrated industrial chain layout, then providing one-stop clean energy solutions to upgrade customer value, and finally fulfilling social missions through green electricity contribution and resilient supply chains, progressively interpreting synergistic value.



Participated in the Tongwei High-Efficiency Modules Global Partner Joint Development Conference, joining the release of the Tongwei G12 System Ecological White Paper, deepening cooperation with Tongwei and other industry leaders under the mission of "Upholding a Green World," injecting momentum into the high-quality development of the global PV industry through collaborative product and solution upgrades, and contributing to a green energy world with professional expertise and strength.



Universidad Politécnica de Madrid	Co-established an outdoor test base to conduct research on intelligent tracking systems, focusing on optimizing power generation gains and system simulation of "bifacial modules + tracking systems." Improve PV system power generation efficiency and verify technical reliability.
Spanish National Renewable Energy Centre (CENER)	Jointly conducted research on agrivoltaic tracking systems, improving crop yields while generating power generation revenue through tracking systems, maximizing land value; reducing soil moisture evaporation through module shading, supporting water-saving agriculture and achieving ecological value.
Shijiazhuang Tiedao University	Jointly with the Wind Engineering Research Center of Shijiazhuang Tiedao University, conducted natural vibration characteristic testing research on single-axis tracking systems, comprehensively applying identification techniques including power spectrum analysis, logarithmic decrement method, and force identification method to accurately determine natural frequency, damping ratio, and mode shapes, providing a basis for product design and safety assessment, ensuring the overall stability of tracking system structures.
Provincial-Level R&D Platforms	Established a provincial-level academician expert demonstration station, a provincial-level enterprise technology center, and a provincial-level new R&D institution, building high-level research carriers.
Zhangzhou Intelligent Tracking System Innovation Consortium	Undertook provincial/municipal major science and technology projects, tackling "bottleneck" technologies. Accelerated technology digestion, absorption, and achievement transformation. Promoted resource sharing, reduced R&D costs, and facilitated industry talent development.

Appendix I: Performance Indicators

Environmental Performance

Indicator		2024	2025	Note
Energy Consumption				
Self-generated green electricity	(kWh)	520,067	4,641,057	
Self-generated green electricity as % of plant electricity consumption	(%)	—	35.41%	1
Cumulative CO_2 emission reduction	(tons)	—	2,462.79	1
Purchased electricity	(kWh)	20,860,800	11,069,501	
Natural gas consumption	(m^3)	925,300	519,522.9	
Diesel consumption	(L)	31,883.84	20,631.73	
Total comprehensive energy consumption	(tons of coal equivalent)	—	2,212.21	1
Energy consumption per unit of product	(tons of coal equivalent)	—	0.16390	1
Greenhouse Gas Emissions				
Scope 1 greenhouse gas emissions	(tCO_2e)	2,081.85	1,239	
Scope 2 greenhouse gas emissions	(tCO_2e)	12,180.62	5,939.89	
Total greenhouse gas emissions (Scope 1+2)	(tCO_2e)	14,262.47	7,178.89	
Water Resources				
Total water withdrawal	(tons)	54,957	60,621	2
Water consumption	(tons)	19,576	15,980	
Total wastewater discharge	(tons)	35,381	44,641	2

Indicator		2024	2025	Note
COD emissions	(tons)	2.282	1.867	
Ammonia nitrogen emissions	(tons)	0.079	0.162	
Total sludge generation	(tons)	746.71	958.422	
Sludge compliant disposal rate	(%)	100	100	1
Wastewater discharge compliance rate	(%)	100	100	1
Waste Gas				
Particulate matter emissions	(tons)	0.026	0.009	
NOx emissions	(tons)	2.49	1.031	
Waste gas emission compliance rate	(%)	100	100	1
Waste				
Total aluminum scrap recycled	(tons)	2,405.08	2,682.37	
Recycled aluminum billets produced	(tons)	2,250.37	2,515.43	
Scrap recycling rate	(%)	93.6	93.78	
Total hazardous waste generated	(tons)	9.263	127.89	3
General solid waste comprehensive utilization	(tons)	1,293.15	1,854.59	
Hazardous waste compliant disposal rate	(%)	100	100	1

Social Performance

Employee Employment and Development

Indicator		2024	2025	Note
Employee Composition				
Total full-time employees	(persons)	785	689	
Non-directly employed workers	(persons)	—	58	1
Female employee ratio	(%)	50	49.35	
New hires	(persons)	—	274	1
Employee turnover rate	(%)	32.94	39.52	
By Gender				
Male employees	(persons)	395	349	
Female employees	(persons)	390	340	
By Age				
≤30 岁	(persons)	258	212	
30-50 岁	(persons)	422	397	
≥50 岁	(persons)	105	80	
By Rank				
Senior management	(persons)	7	6	
Middle management	(persons)	19	18	
General management	(persons)	85	83	
General staff	(persons)	674	582	
By Location				
Mainland China, Hong Kong, Macao, Taiwan	(persons)	779	669	
Overseas regions	(persons)	6	20	
Training and Development				
Total training participants	(person-times)	2,524	3,411	
Training investment	(million)	0.35	0.4	
Percentage of employees trained	(%)	65.33	94	
Average training hours per employee	(hours)	29	28	
Average training hours – male employees	(hours)	—	28.56	1
Average training hours – female employees	(hours)	—	27.44	1
Talent Diversity				
Number of women in senior management positions	(persons)	—	9	
Proportion of women in senior management positions	(%)	—	41	
Proportion of women in senior management positions	(persons)	0	0	
Percentage of employees trained on diversity, discrimination, and/or harassment	(%)	—	100	
Employee Care				
Social insurance coverage	(%)	—	100	1
Male employees entitled to parental leave – total	(persons)	395	15	4
Female employees entitled to parental leave – total	(persons)	390	17	4
Male employees taking parental leave – total	(persons)	13	11	4
Female employees taking parental leave – total	(persons)	11	14	4
Collective agreement coverage	(%)	—	100	1
Percentage of employees covered by formally elected employee representatives	(%)	—	15	1
Operating points with significant child labor or forced labor risks	(%)	—	0	1

Occupational Health and Safety

Indicator		2024	2025	Note
Employee fatalities	(persons)	0	0	
Contractor fatalities	(persons)	0	0	1
Special equipment annual inspection rate	(%)	100	100	1
Employee safety training participation rate	(%)	100	100	1
General hazard rectification rate	(%)	95.6	98	
Major safety accidents	(cases)	0	0	
Total Recordable Incident Rate (TRIR)	(%)	0.44	0.5	
Lost Time Injury Frequency Rate (LTIFR)	(%)	2.18	2.49	
Days lost due to work-related injuries	(cases)	543.5	212	
Fatal accidents	(cases)	0	0	1
Occupational diseases	(cases)	0	0	
Safety production investment	(million)	0.36	1.63	
ISO 45001 certification coverage		Stable production bases certified	All stable production bases certified	

Product and Service Performance

Indicator		2024	2025	Note
Quality Performance				
Incoming lot acceptance rate	(%)	99.10	98.80	
Frame product yield	(%)	95.60	96.40	
Precision machining yield	(%)	95.20	97.01	
Aluminum mounting system overall yield	(%)	80.27	83.88	1
Carbon steel mounting system overall yield	(%)	96.31	98.62	
Ground screw pass rate	(%)	99.96	98.62	
Aluminum mounting system complaint rate	(%)	3.91	21.79	1
Carbon steel mounting system complaint rate	(%)	16.38	6.89	1
Customer satisfaction	(points)	91.90	93.77	
Customer Service				
Number of customer complaints	(cases)	167	169	
Customer complaint rate	(%)	6.85	3.64	
Complaint resolution rate	(%)	95.80	98.00	
Customer call-backs	(cases)	4,013	4,635	
Customer satisfaction rate	(%)	93.20	94.80	
Marketing violations	(cases)	—	0	1
Innovation and R&D				
R&D investment	(million)	46.3216	56.6948	
R&D as % of revenue	(%)	3.46	4.41	
Number of R&D personnel	(persons)	139	144	
New R&D projects	(projects)	14	6	
New R&D project revenue	(million)	328.4676	397.545	
Patent applications filed	(applications)	24	47	
Patents granted	(patents)	103	21	
Valid patents held	(patents)	103	124	

Supply Chain Performance

Indicator		2024	2025	Note
Core supplier Code of Conduct signing rate	(%)	—	85.19	1
Supply chain integrity agreement signing rate	(%)	—	100	1
Supply chain risk assessment total score	(points)	—	83	1
Supplier ESG training sessions	(sessions)	—	4	1
Tier 1 supplier ESG training coverage	(%)	—	100	1

Governance Performance

Indicator		2024	2025	Note
Integrity training sessions	(sessions)	4	4	
Integrity training participants	(person-times)	approx.300	approx.300	
Anti-corruption training coverage	(%)	—	100	1
Information security training coverage	(%)	100	100	
IP training sessions	(sessions)	—	2	1
IP training coverage	(%)	—	100	1
Quality management training sessions	(sessions)	—	60	1

Notes

1. This indicator is included in the statistical scope for the first time in 2025; no comparable data is available for the previous year.
2. 2024 water withdrawal, water consumption, and wastewater discharge data include only comprehensive production-end data from Phase 1 plant in formal production and Phase 2 plant in trial production.
3. 2024 Phase 1 plant in formal production and Phase 2 plant in trial production did not include high-risk waste generation processes such as smelting, so total hazardous waste generation was relatively low and is not directly comparable with 2025 data.
4. 2025 parental leave entitlement data is counted based on actual eligible employees, with a different statistical methodology from 2024 (by gender); data for the two years are not directly comparable.

Indicator Definitions

Scope 1 greenhouse gas emissions:
Direct greenhouse gas emissions from sources owned or controlled by the Company, primarily including natural gas combustion, diesel consumption, and emissions from production processes.

Scope 2 greenhouse gas emissions:
Indirect greenhouse gas emissions from the consumption of purchased electricity by the Company.

TRIR (Total Recordable Incident Rate):
The rate of recordable work-related injuries per 200,000 hours worked.

LTIFR (Lost Time Injury Frequency Rate):
The rate of lost-time work-related injuries per 1,000,000 hours worked.

Comprehensive sludge:
Heavy metal-containing sludge generated during wastewater treatment, all of which is transferred to qualified compliant enterprises for resource reuse.

Appendix II: GRI Content Index

GRI Sustainability Reporting Standards

Usage Statement: Antaisolar has reported the information cited in this GRI Content Index for the period January 1, 2025 to December 31, 2025, in accordance with the GRI Standards.

GRI 1 used: GRI 1: Foundation 2021

GRI 2: General Disclosures 2021

Disclosure	Topic	Corresponding Section
Organization and Reporting Practice		
2-1	Organizational details	About This Report / About Antaisolar
2-2	Entities included in sustainability reporting	About This Report
2-3	Reporting period, frequency, and contact point	About This Report
2-4	Restatement of information	About This Report
2-5	External assurance	About This Report / Independent Assurance Statement
Activities and Workers		
2-6	Activities, value chain, and other business relationships	About Antaisolar / Business Footprint
2-7	Employees	Inclusiveness – Talent Attraction, Development and Retention
2-8	Workers who are not employees	Inclusiveness – Talent Attraction, Development and Retention
治理		
2-9	Governance structure and composition	Advancing ESG Management – ESG Governance / Robustness – Corporate Governance
2-10	Nomination and selection of the highest governance body	Robustness – Corporate Governance
2-11	Chair of the highest governance body	Robustness – Corporate Governance
2-12	Role of the highest governance body in overseeing impact management	Advancing ESG Management – ESG Governance
2-13	Delegation of responsibility for impact management	Advancing ESG Management – ESG Governance
2-14	Role of the highest governance body in sustainability reporting	Advancing ESG Management – ESG Governance
2-15	Conflicts of interest	Robustness – Business Ethics and Anti-Corruption
2-16	Communication of critical concerns	Advancing ESG Management – Stakeholder Engagement
2-17	Collective knowledge of the highest governance body	Robustness – Corporate Governance
2-18	Evaluation of the performance of the highest governance body	Advancing ESG Management – ESG Governance
2-19	Remuneration policies	Inclusiveness – Talent Attraction, Development and Retention
2-20	Process for determining remuneration	Inclusiveness – Talent Attraction, Development and Retention
2-21	Annual total compensation ratio	Information not yet collected
Strategy, Policies, and Practices		
2-22	Statement on sustainable development strategy	CEO Statement / Advancing ESG Management – Strategic Framework
2-23	Policy commitments	Advancing ESG Management – ESG Governance
2-24	Embedding policy commitments	Robustness – Business Ethics and Anti-Corruption
2-25	Processes to remediate negative impacts	Advancement – Customer Service and Responsible Marketing
2-26	Mechanisms for seeking advice and raising concerns	Inclusiveness – Employee Communication
2-27	Compliance with laws and regulations	Robustness – Internal Control and Risk Management
2-28	Membership in associations	Engagement – Industry Cooperation and Standard Setting
Stakeholder Engagement		
2-29	Approach to stakeholder engagement	Advancing ESG Management – Stakeholder Engagement
2-30	Collective bargaining agreements	Inclusiveness – Employee Communication

GRI 3: Material Topics 2021

Disclosure	Topic	Corresponding Section
3-1	Process to determine material topics	Advancing ESG Management – Materiality Analysis
3-2	List of material topics	Advancing ESG Management – Materiality Analysis
3-3	Management of material topics	Each RAISE pillar chapter

Economic Topics

Disclosure	Topic	Corresponding Section
GRI 201: Economic Performance 2016		
201-1	Direct economic value generated and distributed	CEO Statement / Key Figures 2025
201-2	Financial implications and other risks and opportunities from climate change	Symbiosis – Climate Change and Carbon Emission Management
201-3	Defined benefit plan obligations and other retirement plans	Inclusiveness – Talent Attraction, Development and Retention
201-4	Financial assistance received from government	Information not yet collected
GRI 203: Indirect Economic Impacts 2016		
203-1	Infrastructure investments and support services	Engagement – Industry Cooperation and Standard Setting
203-2	Significant indirect economic impacts	Engagement – Local Community Relations and Social License
GRI 204: Procurement Practices 2016		
204-1	Proportion of spending on local suppliers	Engagement – Sustainable Supply Chain
GRI 205: Anti-Corruption 2016		
205-1	Operations assessed for corruption-related risks	Robustness – Business Ethics and Anti-Corruption
205-2	Communication and training on anti-corruption policies and procedures	Robustness – Business Ethics and Anti-Corruption
205-3	Confirmed incidents of corruption and actions taken	Robustness – Business Ethics and Anti-Corruption
GRI 206: Anti-Competitive Behavior 2016		
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Robustness – Business Ethics and Anti-Corruption

Environmental Topics

Disclosure	Topic	Corresponding Section
GRI 301: Materials 2016		
301-1	Materials used by weight or volume	Information not yet collected
301-2	Recycled input materials used	Symbiosis – Waste Management and Circular Economy
301-3	Reclaimed products and their packaging materials	Symbiosis – Waste Management and Circular Economy
GRI 302: Energy 2016		
302-1	Energy consumption within the organization	Symbiosis – Climate Change and Carbon Emission Management
302-2	Energy consumption outside the organization	Symbiosis – Climate Change and Carbon Emission Management
302-3	Energy intensity	Symbiosis – Climate Change and Carbon Emission Management
302-4	Reduction of energy consumption	Symbiosis – Climate Change and Carbon Emission Management
302-5	Reductions in energy requirements of products and services	Symbiosis – Climate Change and Carbon Emission Management
GRI 303: Water and Effluents 2018		
303-1	Interactions with water as a shared resource	Symbiosis – Water Management
303-2	Management of water discharge-related impacts	Symbiosis – Water Management
303-3	Water withdrawal	Symbiosis – Water Management
303-4	Water discharge	Symbiosis – Water Management
303-5	Water consumption	Symbiosis – Water Management
GRI 101: Biodiversity 2024		
101-1	Policies to halt and reverse biodiversity loss	Symbiosis – Biodiversity Protection
101-2	Management of biodiversity impacts	Symbiosis – Biodiversity Protection
101-3	Operations with biodiversity impacts	Symbiosis – Biodiversity Protection

Disclosure	Topic	Corresponding Section
101-4	Identification of biodiversity impacts	Symbiosis – Biodiversity Protection
101-5	Locations with biodiversity impacts	Symbiosis – Biodiversity Protection
101-6	Direct drivers of biodiversity loss	Not systematically identified this year; to be improved in future reporting cycles
101-7	Changes in biodiversity status	Data under development; to be supplemented in future reporting cycles
101-8	Ecosystem services	Symbiosis – Biodiversity Protection
GRI 305: Emissions 2016		
305-1	Direct (Scope 1) greenhouse gas emissions	Symbiosis – Climate Change and Carbon Emission Management
305-2	Energy indirect (Scope 2) greenhouse gas emissions	Symbiosis – Climate Change and Carbon Emission Management
305-3	Other indirect (Scope 3) greenhouse gas emissions	Information not yet collected
305-4	Greenhouse gas emission intensity	Symbiosis – Climate Change and Carbon Emission Management
305-5	Reduction of greenhouse gas emissions	Symbiosis – Climate Change and Carbon Emission Management
305-6	Emissions of ozone-depleting substances	Information not yet collected
305-7	Nitrogen oxides, sulfur oxides, and other significant gas emissions	Symbiosis – Waste Management and Circular Economy
GRI 306: Waste 2020		
306-1	Waste generation and significant waste-related impacts	Symbiosis – Waste Management and Circular Economy
306-2	Management of significant waste-related impacts	Symbiosis – Waste Management and Circular Economy
306-3	Waste generated	Symbiosis – Waste Management and Circular Economy
306-4	Waste diverted from disposal	Symbiosis – Waste Management and Circular Economy
306-5	Waste directed to disposal	Symbiosis – Waste Management and Circular Economy
GRI 308: Supplier Environmental Assessment 2016		
308-1	New suppliers screened using environmental criteria	Engagement – Sustainable Supply Chain
308-2	Negative environmental impacts in the supply chain and actions taken	Engagement – Sustainable Supply Chain

Social Topics

Disclosure	Topic	Corresponding Section
GRI 401: Employment 2016		
401-1	New employee hires and employee turnover	Inclusiveness – Talent Attraction, Development and Retention
401-2	Benefits provided to full-time employees	Inclusiveness – Talent Attraction, Development and Retention
401-3	Parental leave	Inclusiveness – Talent Attraction, Development and Retention
GRI 403: Occupational Health and Safety 2018		
403-1	Occupational health and safety management system	Inclusiveness – Occupational Health and Safety
403-2	Hazard identification, risk assessment, and incident investigation	Inclusiveness – Occupational Health and Safety
403-3	Occupational health services	Inclusiveness – Occupational Health and Safety
403-4	Worker participation, consultation, and communication on OHS	Inclusiveness – Occupational Health and Safety
403-5	Worker training on OHS	Inclusiveness – Occupational Health and Safety
403-6	Promotion of worker health	Inclusiveness – Occupational Health and Safety
403-7	Prevention and mitigation of OHS impacts directly linked to business relationships	Inclusiveness – Occupational Health and Safety
403-8	Workers covered by the OHS management system	Inclusiveness – Occupational Health and Safety
403-9	Work-related injuries	Inclusiveness – Occupational Health and Safety
403-10	Work-related ill health	Inclusiveness – Occupational Health and Safety
GRI 404: Training and Education 2016		
404-1	Average hours of training per year per employee	Inclusiveness – Talent Attraction, Development and Retention
404-2	Programs for upgrading employee skills and transition assistance programs	Inclusiveness – Talent Attraction, Development and Retention
404-3	Percentage of employees receiving regular performance and career development reviews	Inclusiveness – Talent Attraction, Development and Retention

Disclosure	Topic	Corresponding Section
GRI 405: Diversity and Equal Opportunity 2016		
405-1	Diversity of governance bodies and employees	Inclusiveness – Diversity, Equity and Inclusion
405-2	Ratio of basic salary and remuneration of women to men	Information not yet collected
GRI 406: Non-discrimination 2016		
406-1	Incidents of discrimination and corrective actions taken	Inclusiveness – Diversity, Equity and Inclusion
GRI 407: Freedom of Association and Collective Bargaining 2016		
407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	Inclusiveness – Employee Communication
GRI 408: Child Labor 2016		
408-1	Operations and suppliers at significant risk for child labor incidents	Inclusiveness – Talent Attraction, Development and Retention
GRI 409: Forced or Compulsory Labor 2016		
409-1	Operations and suppliers at significant risk for forced or compulsory labor incidents	Engagement – Supply Chain Due Diligence
GRI 413: Local Communities 2016		
413-1	Operations with local community engagement, impact assessments, and development programs	Engagement – Local Community Relations and Social License
413-2	Operations with significant actual or potential negative impacts on local communities	Engagement – Local Community Relations and Social License
GRI 414: Supplier Social Assessment 2016		
414-1	New suppliers screened using social criteria	Engagement – Sustainable Supply Chain
414-2	Negative social impacts in the supply chain and actions taken	Engagement – Sustainable Supply Chain

Disclosure	Topic	Corresponding Section
GRI 416: Customer Health and Safety 2016		
416-1	Assessment of the health and safety impacts of product and service categories	Advancement – Product Lifecycle Quality and Safety
416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	Information not yet collected
GRI 417: Marketing and Labeling 2016		
417-1	Requirements for product and service information and labeling	Advancement – Customer Service and Responsible Marketing
417-2	Incidents of non-compliance concerning product and service information and labeling	Information not yet collected
417-3	Incidents of non-compliance concerning marketing communications	Advancement – Customer Service and Responsible Marketing
GRI 418: Customer Privacy 2016		
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	Robustness – Information Security and Privacy Protection

Appendix 3: Independent Verification Statement

ATTESTATION ◆ ATTESTATO ◆ ATTESTACIÓN ◆ BESCHEINIGUNG ◆ ATTESTATION

Independent Verification Statement

Verification Statement：EIV2 133772 0002 Rev. 00

To the management and stakeholders of Antai Technology Co., Ltd.,

TÜV SÜD Certification and Testing (China) Co., Ltd. (hereinafter referred to as "TÜV SÜD") has been engaged by Antai Technology Co., Ltd. (hereinafter referred to as "Antaisolar" or "the Company") to perform an independent third-party verification on its *2025 Environmental, Social and Governance(ESG) Report* (hereinafter referred to as "the Report"). During this verification, TÜV SÜD's verification team strictly abided by the contract signed with Antaisolar and provided verification regarding the Report in accordance with the provisions agreed by both parties and within the authorized scope stipulated in the contract.

This Independent Verification Statement is based on all the data and information collected by Antaisolar and provided to TÜV SÜD. The scope of verification is limited to the given data and information. Antaisolar shall be held accountable for the authenticity and completeness of the provided data and information (contains assumptions, projections, and/or historical facts).

Scope of Verification

Time frame of this verification:

- The Report contains the data disclosed by Antaisolar during the reporting period from 01/01/2025 to 31/12/2025 including environmental, social and governance data and information, methods for management of material issues, actions/measures and the Company's sustainability performance during the reporting period.

Physical boundary of this verification:

- The on-site verification sampling took place at below listed location:
  25-27th Floor, Winland International Financial Center, No. 1 Jinrong Street, Huli District, Xiamen City, Fujian Province, China.

Scope of data and information for the verification:

- The scope of verification is limited to the data and information of Antaisolar and all companies under its operational control covered by the Report.

The following data and information are beyond the scope of this verification:

- Any relevant data and information beyond the reporting period;
- The data and information of Antaisolar's suppliers, partners and other third parties; and
- The financial data and information disclosed in the Report that have been audited by an independent third party are not verified again herein.

Limitations

- The verification process is conducted in the above scope. Sampling and verification are adopted for the data and information in the Report by TÜV SÜD, and only the stakeholders within the Company are interviewed; and
- The Company's standpoint, opinions, forward-looking statements and predictive information as well as the historical data and information before 01/01/2025 are beyond the scope of this verification.
- The verification conclusions are based on the analysis of the data and information collected by TÜV SÜD and may not identify all problems and conditions, nor constitute any guarantee of the credibility or status of the subject of verification.

ID: CCB_EIV_F_10.03E Version: 4 Effective Date: 02 Mar 2026 Page 1 of 3

TÜV SÜD Certification and Testing (China) Co., Ltd.
Floor 1-4, Building B, No.37, Tuanjie Road(Middle), Xishan Economic and Technological Development Zone, Wuxi, Jiangsu, P.R. China

ATTESTATION ◆ ATTESTATO ◆ ATTESTACIÓN ◆ BESCHEINIGUNG ◆ ATTESTATION

Independent Verification Statement

Verification Statement：EIV2 133772 0002 Rev. 00

Verification Methodology

This verification process was conducted by TÜV SÜD's expert team with extensive experience in environmental, social and governance and other relevant areas and drew the conclusions thereof. The verification conforms to the following requirements:

- *International Standard on Assurance Engagements (ISAE) 3000 (Revised), Assurance Engagements Other than Audits or Reviews of Historical Financial Information, Limited Assurance*
- *Sustainability Report Verification Operation Rule (CCB_EIV_GR_002E Rev04)*

In order to perform adequate verification in accordance with the contract and relevant assurance standards, and provide reliable verification for the conclusions, the verification team conducted the following activities:

- Preliminary investigation of the relevant information before on-site verification;
- Confirmation of the presence of the topics with high level of materiality and performance in the Report;
- On-site verification review of all supporting documents, data and other information provided by Antaisolar; tracing and verification of key performance information;
- Special interview with the representative of Antaisolar's management; and held interviews with the employees related to collection, compilation and reporting of the disclosed information; and
- Other procedures deemed necessary by the verification team.

Verification Conclusions

According to the verification, we believe that the data and information presented in Antaisolar's report are objective, factual and reliable, without systematic problems.

Inclusivity	Antaisolar has identified the internal and external stakeholders, such as government and regulatory institutions, shareholders and investors, customers, suppliers and contractors, employees, industry associations and academic institutions, community and public, media and non-governmental organizations, etc., and established a stakeholder communication mechanism to collect the demands of stakeholders on a regular basis.
Materiality	Antaisolar has established the identification and prioritization process of material topics determination, identified and assessed the priority of the sustainability topics which are highly related to the industry, and disclosed the governance structure, management approach as well as sustainability performance in corporate operation, therefore the Report's adherence to materiality principle is guaranteed.
Responsiveness	Antaisolar has disclosed the management approach and performance of material topics that stakeholders concern, such as innovation-driven development and intellectual property protection, product lifecycle quality and safety, customer service and responsible marketing, occupational health and safety (OHS), responsible supply chain management, clean technology opportunities and green products, etc., and has established a communication mechanism, to fully respond to the demands and expectations of stakeholders.
Impact	Antaisolar, through its Board of Directors and Strategic and Sustainability Committee to monitor and guide the Company's efforts in the areas of environmental, social and governance. The Company has implemented a process of material topics impact assessment, based on a comprehensive and balanced understanding, measuring the impact on stakeholders and the organization itself, and disclosing the relevant impact.

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Recommendations on Continuous Improvement

❖ It is recommended that the Company continues to measure and disclose their impact in a comprehensive and balanced way on sustainability topics relevant to them in the future.

Statement on Independence and Verification Capability

TÜV SÜD is a trusted partner of choice for safety, security and sustainability solutions. It specializes in testing, certification, auditing and advisory services. Since 1866, the company has remained committed to its purpose of enabling progress by protecting people, the environment and assets from technology-related risks. Today, TÜV SÜD is present in over 1,000 locations worldwide with its headquarters in Munich, Germany. Through expert teams represented by more than 28,000 employees, it adds value to customers and partners by enabling market access and managing risks. By anticipating technological developments and facilitating change, TÜV SÜD inspires trust in a physical and digital world to create a safer and more sustainable future.

TÜV SÜD Certification and Testing (China) Co., Ltd is one of TÜV SÜD's global branches and has an expert team whose members have professional background and rich industrial experiences.

TÜV SÜD and Antaisolar are two entities independent of each other and both TÜV SÜD and Antaisolar and their branches or stakeholders have no conflict of interest. No member of the verification team has business relationship with the Company. The verification is completely neutral. All the data and information in the Report are provided by Antaisolar. TÜV SÜD has not been involved in preparation and drafting of the Report, except for the verification itself and issuance of this Independent Verification Statement.

Signature:

On Behalf of TÜV SÜD Certification and Testing (China) Co., Ltd.

Wenjun Zhu

TÜV SÜD Certification and Testing (China) Co., Ltd. Technical Certifier

Shanghai, China, 11/08/2026

Note: In case of any inconsistency or discrepancy, the simplified Chinese version "Independent Verification Statement" of this verification statement shall prevail, while English translation is used for reference only.

TÜV SÜD Certification and Testing (China) Co., Ltd.
Floor 1-4, Building B, No.37, Tuanjie Road(Middle), Xishan Economic and Technological Development Zone, Wuxi, Jiangsu, P.R. China

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