DAS Solar

2023 ESG (Environmental, Social, and Governance) Report

CONTENTS

INTRODUCTION

Reporting Scope

The headquarters of DAS Solar Co., Ltd. and its production bases that have been put into operation before 2023. The detailed addresses of the headquarters and production bases:

Company	Address
DAS Solar Co., Ltd. (Headquarters)	No. 43, Bailing South Road, Quzhou City, Zhejiang Province
DAS Solar (Taizhou) Co., Ltd.	No. 108, Yaojia Road, Hailing District, Taizhou City, Jiangsu Province
DAS Solar (Zhangzhou) Co., Ltd.	No. 1, Xingcai Third Road, Dongshan County, Zhangzhou City, Fujian Province

Note: Some production bases that have been put into operation for less than a year within the reporting period are not covered by the Report

Reporting Period

From January 1, 2023, to December 31, 2023, with partial data from previous years involved

Report Issuance Cycle

The Report is issued annually

Preparation Basis

The Report is prepared in accordance with the requirements of Chapter 8 "Preparation Guidelines" in the "Shanghai Stock Exchange Listed Company Self-Regulation Guide No. 1 Standard Operation" issued by the Shanghai Stock Exchange as well as the following requirements:

· "GRI Standards" issued by the Global Reporting Initiative (hereinafter referred to as "GRI");

· The disclosure requirements of "Environmental, Social, and Governance Reporting Guide" issued by Hong Kong Stock Exchange;

· The report frameworks of the Sustainability Accounting Standards Board (hereinafter referred to as "SASB") and the Task Force on Climate-related Financial Disclosures (hereinafter referred to as "TCFD").

Report Verification

We have commissioned SGS-CSTC Standards Technical Services Co. Ltd. (SGS) to independently verify the content and data in the Report to ensure their accuracy and reliability. For the verification statement, see the appendix of the Report.

References

The DAS Solar ESG Report 2023 provides DAS Solar's ESG methods and performance in 2023. It aims to disclose the Company's sustainable development philosophy to the public and respond to stakeholders' concerns. Herein, this Report is referred to as "the Report" or "ESG Report". Herein, DAS Solar Co., Ltd. is referred to as "DAS Solar", "the Company", or "we".

Report Statement

With the mission of "Light Up Your Life", we actively fulfill our key social responsibilities, contributing to the achievement of Chinese "dual carbon" goals. We believe that practicing social responsibilities requires the consensus of all stakeholders. Therefore, to enhance communication with all stakeholders, the "DAS Solar 2023 ESG Report" is hereby prepared. The Report, under the theme of "integrated development, integrated governance, consistent efforts, equal treatment, and all for the future", showcases our initiatives and achievements in fulfilling social responsibilities in 2023, to reach a consensus with all stakeholders in creating values for development. The Report is DAS Solar's second ESG report. DAS Solar is responsible for the authenticity, accuracy, and completeness of the Report.

Data

The data in the Report is derived from DAS Solar's internal original ledgers, documents, and reports. Unless otherwise stated, all monetary values in the Report are shown in RMB.

Report Format

The Report is issued in Simplified Chinese electronic format. In case of any discrepancies with the English version, the Simplified Chinese version shall prevail.

To view and download the electronic version of the Report, visit our website at:http://www.das-solar.com/

Contact Information

If you have any questions about the Report, please contact us via the following hotline or email:

Hotline: 0570-2910886 Email: ir@das-solar.com

CHAIRMAN MESSAGE

2023 is a year of transformation. As a leading enterprise in PV technology in the new energy industry, we have faced challenges head on. With the mission of “Light Up Your Life”, we focus on green, low-carbon, sustainable, and high-quality development to catch up with the trend of energy revolution, and are striving to lead the “dual carbon” era and contribute to the construction of a zero-carbon world for humanity. In 2023, we continuously advanced our innovation and development strategy to keep up with the development trend in the new era, and achieved gratifying results. The Company’s performance has steadily increased, with the ESG philosophy deeply integrated into our development, achieving significant progress in corporate governance, technological innovation, and diversified development.

We have improved our governance system and consolidated system construction. In terms of management, we have completed the annual audits for international system certifications such as ISO9001, ISO14001, and ISO45001. In terms of products, our PV modules have passed the IEC61215 and IEC61730 performance and safety certifications, certifications by authoritative institutions such as TÜV Germany, as well as CQC, UL, CE, and CGC certifications. At the same time, we have established an internal carbon inventory mechanism according to the ISO14064 system requirements and conducted carbon verification for bases that have been in operation for a year. Additionally, we have established a sustainable procurement management system based on the ISO 20400 standard, practicing our commitment to sustainable development during operations throughout the supply chain. We have integrated the ESG philosophy into all business processes across the company and established a Sustainable Development Committee for overall planning and supervision. Upholding the core values of “Collaboration and Win-Win”, we strengthen cooperation with customers, the supply chain, and other stakeholders to enhance the transparency of sustainable development.

We have yielded significant achievements through continuous R&D innovation. In the past 2023, we achieved outstanding results: Our N-type module shipments ranked in the global top three, and total module shipments ranked ninth worldwide; 277 patents were granted, including nearly 40% of inventions; and over 450 patent applications were filed. In the Patsnap Top 100 Chinese new energy companies in terms of patents, DAS Solar ranked 80th for the number of invention patent applications, 86th for the number of granted invention patents, and 34th for the total citations of invention patents. We have led and participated in the establishment of more than 10 industry standards, and have been honored with multiple honors, including ranking 9th in the global top 20 PV brand value (modules) and 8th among China's top 20 PV module enterprises.

We have been focusing on diversified development to enhance comprehensive services. To ensure stable product supply capacity and expand high-quality production layout, we have established more than 10 large PV production bases in China and founded the DAS Solar Systems Engineering Innovation Institute, the Power Station Division, and other units. We have made significant progress in diversified development, becoming a comprehensive service provider specializing in the R&D, manufacturing, and sales of efficient PV cells, modules, and system applications, as well as investment, construction, and operation of power stations.

We have been fulfilling our social responsibilities based on people-oriented principles. We prioritize employees' occupational health and safety, safeguard employees' basic rights, and actively fulfill our responsibilities to employees, customers, shareholders, suppliers, partners, the environment, and society. We have obtained SA8000 certification, contributing to the global energy transition and green, low-carbon sustainable development.

Although the road ahead is full of challenges, we are fully confident to address them. We will continue to uphold the ESG sustainable development philosophy and fulfill our corporate social responsibility to promote high-quality development of the green industry, striving to become a respected international new energy enterprise for a better tomorrow. With the mission of “Light Up Your Life”, we will take active actions to become a world-leading enterprise in the new energy industry, assist “carbon peaking and carbon neutrality”, and drive a low-carbon future with innovations in solar power.

Liu Yong

Chairman and Founder of DAS Solar

OUR MISSION

Light Up Your Life

OUR VISION

To become a respected international new energy enterprise

CORE VALUES

Collaboration and Win-Win

DEVELOPMENT STRATEGY

To be a reliable partner with leading technology

ABOUT US

DAS SOLAR Co., Ltd., established in August 2018, specializes in R&D, manufacturing and sales of high-efficiency solar cells, PV modules and system applications and integrated power plant investment, construction and operation. It is a state-level high-tech enterprise, recognized by the Ministry of Industry and Information Technology as conforming to Photovoltaic Manufacturing Industry Specifications and Conditions, acknowledged as "Specialized and Sophisticated" enterprise and "Future Factory" by Zhejiang Province, and also a mixed ownership company with major shares belonging to state-owned enterprises.

KEY DATA

Upholding the philosophy of “Collaboration and Win-Win”, we actively fulfill our economic, social, and environmental responsibilities to promote harmonious integration between ecological civilization and the Company, helping achieve the “dual carbon” goals and striving to become a respected international new energy company. Based on the above requirements, statistical analysis of economic, social, environmental, and innovation performance was performed. The specific performance data results are as follows:

STABLE OPERATIONS

22,723.53
million in revenue

0
fines for violations or non-economic penalty incidents

0
incidents or lawsuits related to corruption and bribery, unfair competition, or other business ethics violations

100%
of suppliers have been trained for anti-corruption

INDUSTRIAL INNOVATION

9
provincial and municipal scientific research platforms

277
patents (2023)

100%
product pre-delivery inspection rate

96.10%
customer satisfaction rate

GREEN ECOLOGY

0
major or above accidents

100%
compliance rate for hazardous waste disposal

100%
compliance rate for emission of waste gas and wastewater pollutants

100%
completion rate of EHS (Environment, Health, and Safety) work

SOCIAL BENEFICIAL COOPERATION

3590
employees

41.4 hours
for average training time per employee

100%
supplier entry audit and screening based on environmental and social standards

2.7
million in social donations

HONORS AND RATINGS

Upholding the philosophy of "Collaboration and Win-Win", we actively fulfill our economic, social, and environmental responsibilities to promote harmonious integration between ecological civilization and the Company, helping achieve the "dual carbon" goals and striving to become a respected international new energy company.

In 2023, DAS Solar was granted the following honors and certificates:

Honor	Awardee	Issued by
Ministry of Industry and Information Technology Green Supply Chain Management Enterprise	DAS Solar (Taizhou) Co., Ltd.	Ministry of Industry and Information Technology of the People's Republic of China
Ranked 17th among Top 100 High-Growth High-Tech Enterprises in Zhejiang Province	DAS Solar Co., Ltd.	Zhejiang Provincial High-Tech Enterprise Association
2023 Provincial Engineering Research Center	DAS Solar Co., Ltd.	Zhejiang Provincial Development and Reform Commission
Second Batch of Zhejiang Provincial Future Factories in 2022	DAS Solar Co., Ltd.	Economy and Information Technology Department of Zhejiang
2023 Zhejiang Provincial 5G Fully Connected Factory	DAS Solar Co., Ltd.	Economy and Information Technology Department of Zhejiang
2023 Jiangsu Provincial Green Factory	DAS Solar (Taizhou) Co., Ltd.	Industry and Information Technology Department of Jiangsu
Jiangsu Provincial Intelligent Manufacturing Model Factory	DAS Solar (Taizhou) Co., Ltd.	Industry and Information Technology Department of Jiangsu
List of Fujian Provincial Leading Industrial Cultivation Enterprises (sixth batch)	DAS Solar (Zhangzhou) Co., Ltd.	Industry and Information Technology Department of Fujian
2023 Top 100 Influential Brands 2023 Influential Brand Enterprises	DAS Solar Co., Ltd.	"Discovery Brand" Program Group China International Brand Strategy Research Center—UIBE
Most Influential Solar Cell Enterprise Most Influential PV Module Enterprise	DAS Solar Co., Ltd.	Solarbe Global
BB Rating in 2023 "PV Moduletech Bankability Ratings"	DAS Solar Co., Ltd.	PV Tech
2023 Venture 50 Carbon Neutrality Enterprises	DAS Solar (Taizhou) Co., Ltd.	PEdaily.cn of Zero2IPO Ventures

Systems	
CNAS PV Laboratory	DAS Solar Co., Ltd.
SA8000:2014 Corporate Social Responsibility Management System	DAS Solar Co., Ltd.
Lifecycle Assessment & Verification Statement (ISO/IEC 17029:2019 ISO 14065:2020)	DAS Solar Co., Ltd.

PHILOSOPHY OF SUSTAINABLE DEVELOPMENT

Sustainable Development Strategy

Establishing a new, integrated company development mode of sustainable operations, social responsibility, and environmental protection

We integrate the philosophy of ESG sustainable development into its overall development strategy and operational mode. In the course of operations, we not only focus on economic benefits but also emphasize the impact and role of the environment, society, and corporate governance. In terms of the environment, we are committed to measures such as reducing resource consumption, lowering emissions, and promoting a circular economy to achieve sustainable development while protecting the natural environment. In terms of social responsibility, we focus on employee welfare and public welfare activities, actively engage in social public welfare activities, and address public welfare issues to enhance our sense of social responsibility and public welfare image. In terms of corporate governance, we have established a transparent, fair, and standardized corporate governance mechanism to strengthen internal supervision, standardize business conduct, protect investor rights, and improve risk management capabilities.

We have joined the world's leading ESG management platform Achilles, demonstrating our outstanding comprehensive competitiveness in ESG evaluation. By integrating the ESG philosophy into our overall development strategy and operational mode, we can not only enhance our corporate image and brand value, attracting more investors and partners, but also effectively reduce operational risks and improve our long-term competitiveness.

SUSTAINABLE DEVELOPMENT COMMITTEE

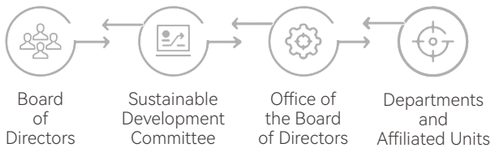
In 2023, to respond to the national “dual carbon” goals, implement the sustainable development strategy and accelerate the company's high-quality development, we established the Sustainable Development Committee (comprised of various special offices). Liu Yong, the Chairman of the Board, serves as the Director of the Sustainable Development Committee. In 2023, the Sustainable Development Committee held four meetings and formulated the 2024 sustainable development plan for the Company.

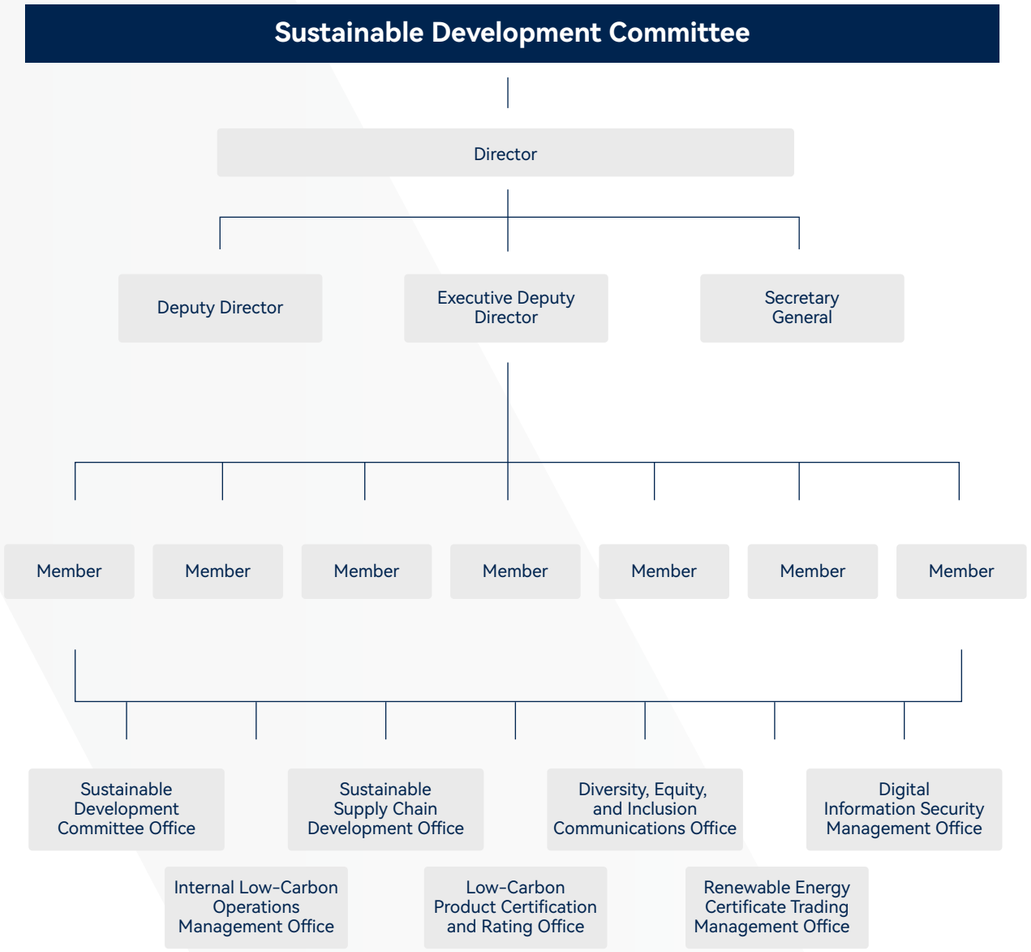
The Sustainable Development Committee is mainly responsible for:

1) Researching the Company's sustainable development-related goals, strategies, plans, and major decisions, and supervising the implementation and progress of the Company's sustainable development strategies and plans.

2) Corporate social responsibility and ESG management: listening to related reports on sustainable development strategies, progress, and performance, conducting reviews and making final decisions, providing relevant consultations and suggestions to the board of directors, and submitting relevant proposals.

3) Coordinating various departments to actively implement the policies of the Sustainable Development Committee in daily management work, and conducting regular tracking and reporting.





MANAGEMENT OF SUSTAINABLE DEVELOPMENT

We commit to implementing the philosophy of "collaboration and win-win" and integrating social responsibility management into daily operations in accordance with Chinese and international labor laws and standards, helping achieve the "dual carbon" goals. The Company has been certified by the SA8000 Corporate Social Responsibility Management System. In the future, we will continuously improve sustainable development management in governance, goals, strategy, actions, etc., striving to become a global advocate, practitioner, and leader in clean energy sustainable development.

Our Statement

- We prohibit and do not support the employment of child labor, and do not accept any suppliers or sub-contractors who employ child labor or forced labor.
- We respect employees' freedom and prohibit any form of forced or compulsory labor.
- We provide safe and hygienic working and living environments for employees to ensure their safety and health.
- We promote labor-management cooperation and respect employees' freedom of association and collective bargaining rights.
- We provide an equal and fair working environment and prohibit any form of discrimination.
- We respect employees' basic human rights, and prohibit and do not support any form of behavior that insults human dignity.
- We reasonably schedule production as well as employees' working hours, rest, and vacations.
- We provide reasonable wages and benefits, meeting the basic needs of employees at least.
- We advocate for business integrity and eliminate corruption and bribery.

STAKEHOLDER COMMUNICATION

We regularly collect and analyze the expectations and needs of various stakeholders regarding ESG, including shareholders, investors, employees, customers, governmental and regulatory agencies, the public, competitors, industry associations, suppliers, and the media. By establishing and improving a communication response mechanism to provide transparent and accurate information disclosed, we aim to build and maintain DAS Solar's good brand image and enhance competitiveness, achieving sustainable development. The specific demand analysis and response mechanism is as follows:

	Expectations and needs	Communication response mechanism
Shareholders	Shareholders expect our performance and stock price to grow steadily so that they can obtain considerable investment returns. We should protect shareholders' rights, timely disclose accurate information, and take measures to safeguard their rights.	We have set up an investor hotline and email to actively communicate with investors. We have established an investor relations department or committee to communicate with shareholders and address their questions and concerns.
Investors and Financial Institutions	Investors and financial institutions pay attention to our financial and operational status, expecting us to disclose transparent, accurate, and comprehensive information, helping them make informed investment decisions.	We have established transparent communication channels, such as regular reports, investor conference calls, and website announcements, to actively respond to investors' and financial institutions' concerns and questions on ESG topics. We should also take investors' opinions and suggestions seriously, respond to their questions promptly, and provide in-depth explanations when necessary to establish a good communication and interaction relationship.
Employees	Employees expect us to provide a fair, just, and stable employment environment, reasonable compensation and benefits, as well as career development opportunities and training support, thereby increasing their sense of belonging and providing them with more growth opportunities.	We have established a sound internal communication mechanism, such as employee representative meetings and regular employee communication meetings, to share company development, business goals, and policy changes with employees, listen to their suggestions, and respond timely to their concerns and issues.
Customers and Partners	Customers and partners expect us to provide high-quality products and services to meet their needs and ensure safe and reliable transactions. Customers and partners are also concerned about our sustainability and innovation capabilities.	We maintain close communication with customers and partners through various channels, such as customer satisfaction surveys, regular meetings, and partner workshops, to promptly respond to their needs and feedback, solve problems, and establish mutually beneficial cooperative relationships.
Governmental and Regulatory Agencies	Governmental and regulatory agencies expect us to comply with laws and regulations, provide accurate and complete reports and information, and fulfill our corporate social responsibilities.	We actively comply with laws and regulations and maintain close contact with governmental and regulatory agencies, promptly and accurately fulfilling reporting obligations, responding to requests and investigations of regulatory agencies, and establishing communication channels with relevant departments to ensure timely compliance with various regulatory matters.
The Public	The public is concerned about our environmental, social, and governance responsibilities. They expect us to adhere to ethical standards, fulfill social responsibilities, make positive social contributions, and maintain communication and cooperation with them.	We have maintained open and transparent communication channels with the general public, and regularly publish corporate social responsibility reports. We pay attention to social focuses, respond to public concerns and doubts, and actively participate in public welfare activities, to establish a good image and build trustful relationships with the public.
Competitors/ Industry Associations	We respect intellectual property rights and industry codes, and compete fairly and compliantly with other competitors in a just, transparent, and mutually respectful manner. Additionally, from product design and production processes to applications in the IoT and AI fields, we continuously invest in R&D and innovation to meet current market demands, lead industry development trends and create greater market opportunities. Simultaneously, we actively participate in industry collaborations to jointly address common industry issues and promote the formulation and adoption of technical standards, facilitating industry growth and advancement.	Every year, we address industry pain points through continuous R&D and innovation, and share best practices at industry conferences while protecting intellectual property. Through participating in industry development forums, we promote intra-industry and industry-academia-research collaborations to accelerate the industry's low-carbon transition.
Media	We collect media-relevant topics of interest, including major company announcements and new product launches, to meet the media's expectations for some open and transparent information from us.	We have established a dedicated media communication channel to actively respond to media topics of interest, while adhering to an objective and transparent approach in external communications, thereby building a positive public image.
Suppliers	Suppliers expect us to establish stable and mutually beneficial partnerships to promote mutual development. We maintain an open and fair attitude and strictly adhere to integrity commitments to ensure transparency and fairness of all transactions and decisions. We are committed to promoting the sustainable development of the supply chain and jointly addressing environmental and social challenges.	We collaborate with suppliers through various channels to conduct research, actively exploring and introducing advanced technologies and innovative solutions. We have established an effective daily communication mechanism, and hold regular meetings to collaborate with suppliers on joint R&D, technical exchanges, and industry discussions and quickly respond to and resolve issues arising during cooperation. We have established fair, just, and open procurement systems and rules to create an equal competition environment for suppliers.

ESG SUBSTANTIVE TOPICS

We continually improve our management and analysis of substantive topics to accurately and effectively respond to stakeholder concerns, providing crucial references for the orderly identification and management of risks and opportunities. In 2023, we conducted substantive topic assessments following four steps. The steps of substantive issue assessment:

Identification of substantive topics

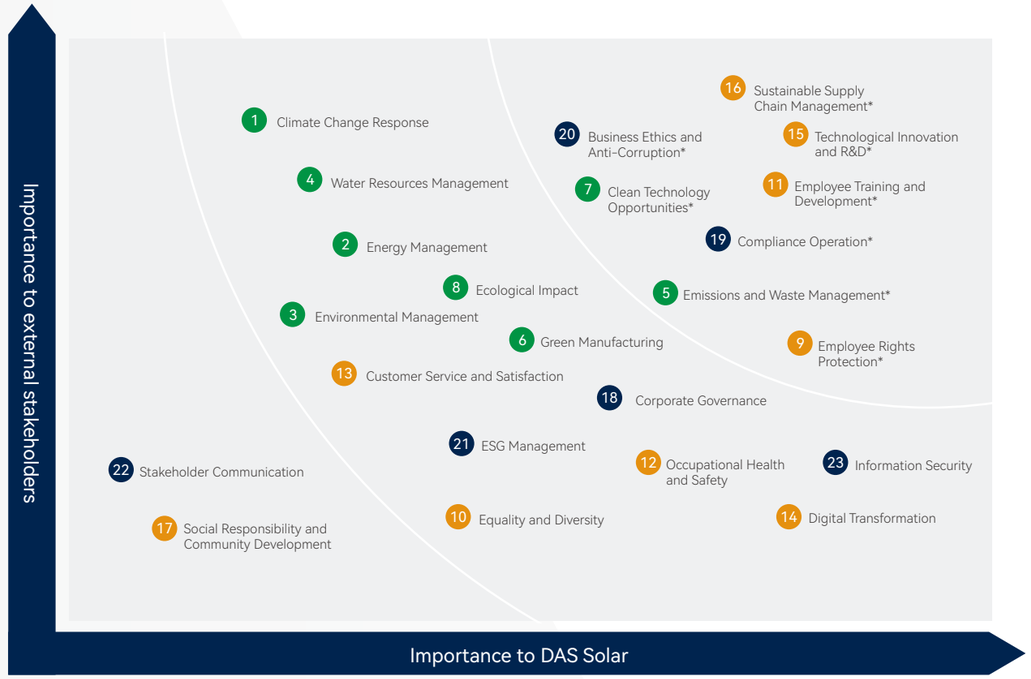
23
ESG topics

We identify sustainable development topics most closely related to our operations in accordance with national macro policies, relevant international standards and disclosure frameworks, capital market rating indicators, industry benchmarks, as well as our business development status. Referenced international standards and frameworks include:

GRI Standards SASB Standards

Identified
8
substantive topics

Upon review by the Company's senior management, ESG Executive Group, and external experts, we finally prepared the 2023 ESG substantive topic matrix of DAS Solar.



Environmental Responsibility

- 1 Climate Change Response
- 2 Energy Management
- 3 Environmental Management
- 4 Water Resources Management
- 5 Emissions and Waste Management*
- 6 Green Manufacturing
- 7 Clean Technology Opportunities*
- 8 Ecological Impact

Social Responsibility

- 9 Employee Rights Protection*
- 10 Equality and Diversity
- 11 Employee Training and Development*
- 12 Occupational Health and Safety
- 13 Customer Service and Satisfaction
- 14 Digital Transformation
- 15 Technological Innovation and R&D*
- 16 Sustainable Supply Chain Management*
- 17 Social Responsibility and Community Development

Corporate Governance

- 18 Corporate Governance
- 19 Compliance Operation*
- 20 Business Ethics and Anti-Corruption*
- 21 ESG Management
- 22 Stakeholder Communication
- 23 Information Security

Note: Topics marked with * are confirmed material ones

GOVERNANCE

Adhering to Prudent Operations

GOVERNANCE
Adhering to Prudent Operations

1.1 Mature Operations

Corporate Governance and Strategic Planning

We have established a clear, efficient, and scientific corporate governance mechanism in strict accordance with the requirements of the Company Law of the People's Republic of China, the Foreign Investment Law of the People's Republic of China, and other relevant laws and regulations. For corporate governance, we follow the core culture of the company, always adhering to the principles of fairness, impartiality, and transparency, and emphasizing the standardization of internal management. By optimizing and improving the governance structure, we implement the highest standards for management decision-making, risk prevention, and information disclosure. Healthy corporate governance not only enhances management efficiency and market competitiveness but also lays a solid foundation for sustainable development.

Governance Structure

We are committed to improving the social responsibility organizational system and management system and standardizing the content and processes of social responsibility work, so as to continuously improve our social responsibility performance through scientific and effective sustainable governance and advance social responsibility practices.

The General Meeting of Shareholders is the Company's highest authority, with a Board of Directors and a Board of Supervisors under it. There are 9 senior management personnel within the company, 3 of whom are women.

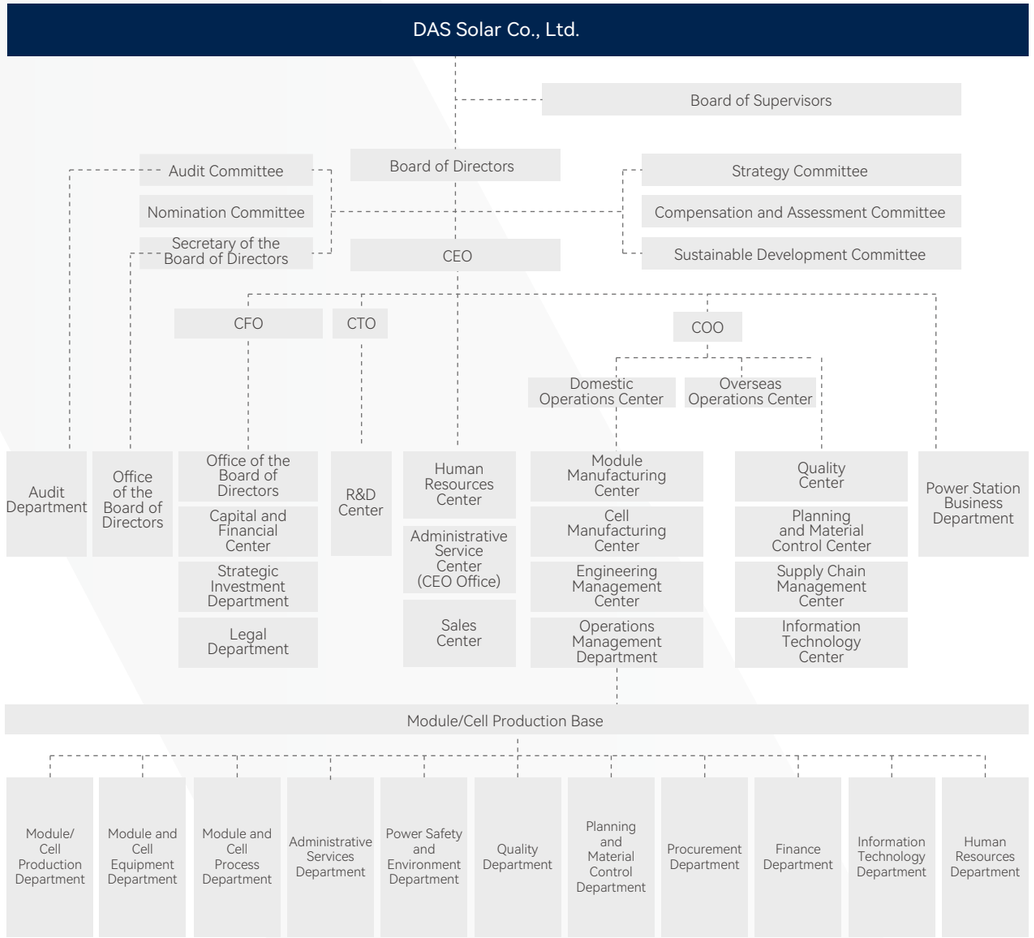
The Board of Directors has **11** members including 2 female directors

The Board of Directors held **14** meetings in 2023

The Board of Supervisors has **6** members

with all board member attending **100** %

The Company's Board of Directors is fully responsible for social responsibility work, with four specialized committees: the Sustainable Development Committee, the Audit Committee, the Compensation and Assessment Committee, and the Strategy Committee. Based on relevant national laws, we have developed a comprehensive corporate governance system, including the Articles of Association, Rules of Procedure for the General Meeting of Shareholders, Rules of Procedure for the Board of Directors, Rules of Procedure for the Board of Supervisors, Information Disclosure Management System, Related Transactions Management System, and External Guarantees Management System, to efficiently implement scientific governance through the division of responsibilities, authority, and interests.



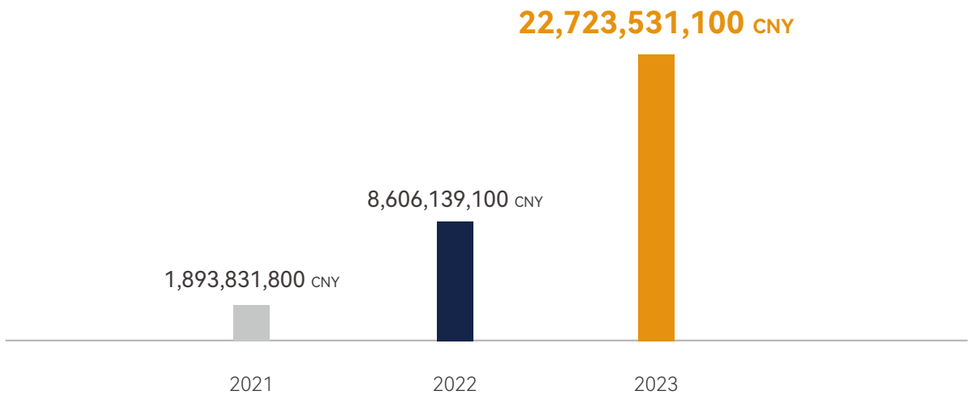
Development Strategy

To enhance our core competitiveness, maintain sustained growth of overall performance, and achieve long-term business success, we place great emphasis on strategic management and have established a robust management system. We will adhere to people-oriented principles and focus on technology, continuously improving product quality and service levels to create higher value for customers.

Financial Data

REVENUE

Note: The revenue for 2023 is still under audit. The final results will be based on the company's financial audit report.

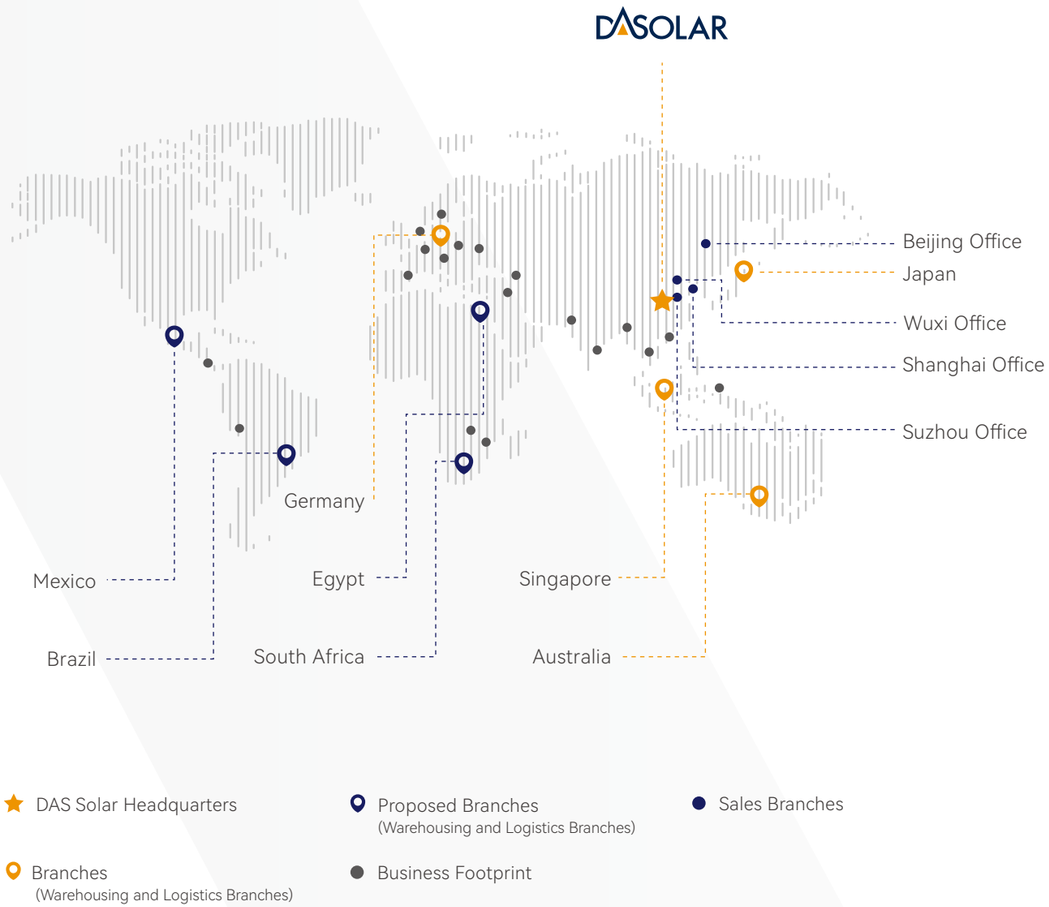


Capacity Progress

Operational strategy: Develop a replicable "Factory of the Future" operational mode.
Capacity built-up in 2023: 30GW cells and 30GW modules.
We continuously implement strict quality control, and build high digital and informationized operational capabilities to enhance our operational and service efficiency.

Overseas Expansion

Global strategy: Build a global sales network to become a respected international new energy company.
At the beginning of 2023, adhering to core cultural concepts of sustainable development, win-win cooperation, and innovation, we began global strategic development. By establishing subsidiaries in Germany, Australia, and Japan as well as entering markets in regions such as Southeast Asia, the Middle East, and Latin America, we have set up regional sales networks to provide comprehensive and localized services such as logistics, warehousing, and technical support to local customers. These efforts accelerated our internationalization process, contributing to the construction of a green "zero-carbon" world for humanity.



1.2 Compliance and Anti-Corruption

Compliance and Audit

We have established a comprehensive internal audit system and joined the China Corporate Anti-Fraud Alliance on October 23, 2023. We have set up an internal anti-fraud hotline for whistleblowers to report unethical business behaviors. We promise to keep the identity of whistleblowers strictly confidential and to conduct investigations cautiously. Therefore, whistleblowers can feel free to contact us.

Supervision Hotline: 153 9570 7913

Email: audit@das-solar.com

We have established an Audit Committee composed of three directors, with independent directors constituting the majority and serving as the convener. At least one independent director on the Audit Committee must be a professional accountant.
The Audit Committee appoints a Chief Committee Member (convener) who is an independent director and a professional accountant, to lead the committee's work. The Chief Committee Member is elected from among the members and approved by the board of directors. Members of the Audit Committee are nominated by the Chairman, over half of the independent directors, or more than one-third of all directors, and are elected by the board of directors.
The Board of Directors' Audit Committee has an internal audit department that inspects and supervises the establishment and implementation of the Company's internal control system as well as the authenticity and completeness of financial information. The internal audit department is responsible for daily work communication and meeting organization. It also exercises the internal audit supervision right within the scope authorized by the Audit Committee: legally inspecting accounting records and related assets, supervising and evaluating the authenticity, legality, and effectiveness of financial revenues and expenditures, as well as analyzing and evaluating the Company's capital operations, asset utilization, and other financial operations, to ensure the authenticity and integrity of the Company's assets.

Anti-Corruption Supervision

We actively promote anti-corruption and anti-bribery initiatives during operations to strengthen internal controls and risk management, and take multiple measures to enhance compliance operations, laying a solid foundation for steady growth.
We have outlined requirements for business ethics and professional conduct in the Employee Handbook, and formulated a series of documents such as the Anti-Corruption and Anti-Bribery Control Procedures, Integrity Management Procedures, Procurement Code of Conduct, and Anti-Corruption Commitment, to comprehensively supervise integrity management practices, fair competition, anti-corruption, anti-fraud, and conflict of interest avoidance, with a zero-tolerance attitude towards violations of business ethics and honest culture. Under the supervision of the integrity system, we strictly implement ethical standards, operate with honesty and integrity, and pay taxes in accordance with the law, maintaining a zero contract breach rate. This has established the Company's good credit and ethical image among customers, suppliers, the public, and society, with a good social reputation. Since its establishment, the Company has not encountered any instances of corruption, bribery, or violations of business ethics.

1.3 Risk Control

We place great emphasis on risk prevention and management. We have formulated Organizational Risk Management and other policies, and established a board-led risk management system to proactively identify and evaluate various risks and opportunities in operational activities, develop corresponding control measures, ensuring the achievement of strategic objectives.

Analysis of Internal and External Environmental Factors

We identify stakeholders and uncover their needs and expectations for the Company, set customized indicators or items, and assign corresponding departments to monitor and develop appropriate control measures

Evaluation of Risks and Opportunities

We evaluate the risk level from two aspects: severity of risk and frequency of risk, and finally classify the risks into high, medium, and low levels

Analysis of Internal and External Environmental Factors

We comprehensively analyze internal and external environmental factors affecting the Company's production and operations

Identification of Risks and Opportunities

Each department of the Company identifies process-related risks and opportunities based on internal and external environmental factors, stakeholders' expectations or requirements, and the Company's existing strengths and weaknesses

Control Measures For Risks and Opportunities

We identify higher-level risks based on the risk evaluation method, develop corresponding control measures and analyze potential opportunities based on our strengths and weaknesses, and summarize them in the "List of Control Measures for Risks and Opportunities". Risk control measures include risk avoidance, risk prevention, risk control, and risk transfer

Tax Management

Strengthening tax management helps to allocate company resources reasonably and promote information transparency and sustainable development within the Company. The Company has established a financial center to supervise implementation, identify, analyze, and evaluate compliance risks, formulate tax plans and integrate them into the overall strategy, and implement the Company's tax compliance policies.
We attach great importance to the professional training of tax-related personnel, providing tax business policy training through multiple channels. In addition, we conduct internal inspections or evaluations and hire third-party tax firms to perform regular health checks on tax-related businesses and annually assess tax compliance, closely monitoring key risks of significant matters.

1.4 Business Ethics

Ethical System

Following the principle of integrity, we always implement honest and transparent business practices in accordance with laws and regulations, and avoid corruption and unethical behaviors, establishing good business credit and ethical image among consumers, agents, suppliers, partners, as well as various sectors of society including government, quality inspection, industry and commerce, tax authorities, and banks, with widespread praise and high recognition.

The key processes and performance indicators of the ethical standards are as follows:

Type	Supervision object	Responsible department	Ethical behavior monitoring methods	Monitoring indicator	Indicator	2021	2022	2023
Within the Organization	Company's Senior and Middle Management	Heads of Departments	Signing the "Integrity Agreement", annually evaluating the job performance, company management, and personal ethics of senior and middle management, and keeping open to supervision and reporting from all employees	Disciplinary and legal breaches and major violations in business activities	Disciplinary And Legal Breaches (Cases)	0	0	0
					Major Violations In Business Activities (Cases)	0	0	0
	Regular Employees	Human Resources Center, etc.	The administration department and other departments are responsible for the education, training, and assessment of employee ethical behaviors, including monthly assessments, job responsibility evaluations, and overall employee supervision and reporting	Uncivil behaviors, bad work attitude, and disciplinary violations	Number of Disciplinary Violations	0	0	0
Between Organizations	Suppliers	Supply Chain Management Center, etc.	Strictly adhering to supplier management and evaluation-related systems, overseeing the validity of contracts with suppliers; monitoring the timely delivery of supplier payments; assessing the overall satisfaction of suppliers	Percentage of employees receiving anti-corruption training, incidence rate of commercial integrity violations, contract fulfillment rate, timely payment rate	Percentage of Employees Receiving Anti-corruption Training (%)	100%	100%	100%
					Incidence Rate of Commercial Integrity Violations (%)	0	0	0
					Contract Fulfillment Rate (%)	100%	100%	100%
					Timely Payment Rate (%)	100%	100%	100%
	Customers	Sales Center, etc.	Supervising the signing of contracts with customers and the compliance of contract terms, reviewing the timely fulfillment of contracts; implementing the Product Quality Law to ensure product quality	Contract fulfillment rate, on-time product delivery rate	Contract Fulfillment Rate (%)	100%	100%	100%
					On-time Product Delivery Rate (%)	100%	100%	100%
Outside the Organization	Government	Finance Center, etc.	Performing tax obligations in accordance with the Tax Law of the People's Republic of China and other laws and regulations	On-time tax payment rate, legal tax payment rate	On-time Tax Payment Rate (%)	100%	100%	100%
					Legal Tax Payment Rate (%)	100%	100%	100%

1.5 Information Security

Information and Data Security

In terms of information security, we have actively carried out information security construction based on the Cybersecurity Law of the People's Republic of China, the Data Security Law of the People's Republic of China, the Personal Information Protection Law of the People's Republic of China, and other information security laws and regulations.

In terms of system construction, we have established information security post and duty management regulations, information security management regulations, network security management regulations, and other systems to standardize the overall information security construction. At the same time, we have built a comprehensive privacy data protection management system, integrating privacy protection policies and related work into the Company's overall risk and compliance management, conducting regular internal and external compliance audits of privacy policies to ensure the effective implementation of the Company's privacy policy.

In October 2023, DAS Solar was certified by ISO27001 Information Security Management System, marking its significant progress in information security system construction.

Overview of DAS Solar's Information Security Construction

	Network Security	Data Security	Terminal Security	Terminal Security
Technical Measures	Firewall Internet Behaviors Separation of Industrial, Office, and Monitoring Networks	Enterprise Network Drive Construction and Promotion, USB Drive Ban	Bastion Host System Password Strengthening EDR Security HSS Protection	Unified Domain Control Management, Permission Recapture, Software Compliance
Management Standards	Permission Recapture, Unified Operations and Maintenance, Industrial Firewall	Data Backup, Ransomware Protection	Monitoring and Early Warning, Port Convergence, Core Database Backup Optimization and Enhancement	Desktop Management Software, EDR Security Protection
Awareness Promotion	Detailed rules for network architecture construction, information security and asset management, data center management procedures, server management procedures, etc. Establish a systematic promotion mechanism to regularly promote information security and improve employees' awareness			

In terms of building the information security protection system, we have established a multi-faceted information security protection mechanism through deploying firewalls, Internet behavior management, desktop management software, terminal security protection software, data backup and disaster recovery, network isolation, alarm monitoring, and other technical measures to ensure the safe and stable operation of the company's data business systems. Additionally, we regularly conduct security vulnerability scans and penetration tests on enterprise application systems to ensure their security.

In terms of constructing the information security emergency response and maintenance system, we implement proactive defense before incidents, active response during incidents, and quick handling after incidents. Meanwhile, we have formulated the "Information Security Emergency Incident Response Plan" and the procedure for reporting information security issues to ensure the timely handling of unexpected network security incidents. We have also established a security monitoring center to conduct real-time monitoring and early warning of enterprise information systems. In 2023, we launched a security operation monitoring system to manage network devices, servers, virtual machines, databases, and other information across the group and various bases. It issues timely alerts for various faults, enabling quick responses from relevant personnel, thereby enhancing the Company's security monitoring capabilities, improving fault response speed, ensuring security compliance checks, strengthening security audits and log management, and enhancing security defense capabilities.

Information Security Training

In terms of constructing the information security training system, we continually strengthen employee information security awareness training to enhance employees' understanding and attention to information security. We provide information security onboarding training for new hires, and organize various information security courses and activities to enhance employees' awareness of information security. We conduct targeted information security skills training for employees in different positions to improve their information security skill levels.

In addition to the above training activities, we also send information security-related knowledge through WeChat Work and emails every month to continuously enhance employees' information security awareness. Throughout the process of building the information security system, we adopt the PDCA (Plan-Do-Check-Act) approach to continuously improve and update information security infrastructure. Information security is a continuous construction process. In the current era of information explosion, security is becoming increasingly important. DAS Solar Information Technology Center will continue to carry out multi-faceted information security construction and unified planning, and establish a stable, secure, and efficient information infrastructure to support and empower the enterprise's rapid development.

INNOVATION

Leading Industry Development

INNOVATION
Leading Industry Development

2.1 R&D and Innovation

Intellectual Property Achievements

By establishing a technology innovation-oriented R&D system and perfecting the Company's scientific research management mechanism, we continuously improve our technological innovation support system. With an R&D mode of "tiered architecture, categorized control, and full participation", we have established and implemented systems such as the Science and Technology Innovation Management Measures and the Patent Management Measures, creating a new pattern of vertical and horizontal collaboration in the R&D system and building a comprehensive green technology innovation system.

By establishing a matrix management mode, phased management method, and intensive achievement promotion mode, we implement the responsibility system for research to enhance project management capabilities and promote the independent research and development of core technologies. At the same time, by establishing a long-term stable growth input mechanism and strengthening measures such as incentives for technological innovation, we improve risk prevention capabilities and intellectual property protection to ensure the systematic, continuous, and effective scientific research work, supporting the Company in accelerating the cultivation of new productive forces.

Technological innovation is the foundation for maintaining a company's core competitiveness, so intellectual property protection has become crucial for promoting the high-quality development of China's PV industry. As a leader in N-type technology, we have adhered to the corporate philosophy of "innovation leads technological development" since establishment, creating a comprehensive intellectual property system to take a leading role in the creation, utilization, transformation, and protection of intellectual property.

9 provincial and municipal scientific research platforms

738 patents filed

277 patents granted

*As of 2023, over 75% of intellectual property achievements have been successfully commercialized

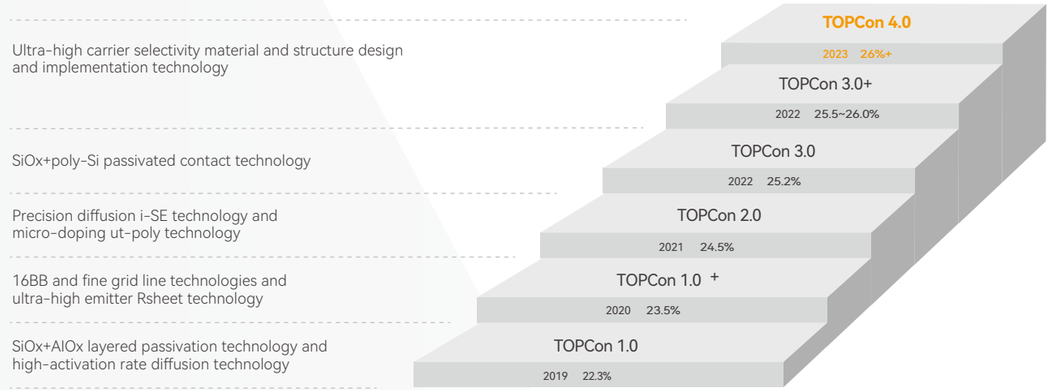
With the rapid development of PV industrialization technology, the traditional intellectual property system faces significant challenges, and the scope of intellectual property protection continues to expand. In supply chain management, energy saving and consumption reduction, technological innovation, PV recycling, and other industry chain segments, we implement intellectual property protection to expand the scope of intellectual property protection, strengthen protection efforts, and promote rapid and stable technological development.

In 2023, DAS Solar was elected as the vice chair unit of the Intellectual Property Professional Committee of the China Photovoltaic Industry Association.

Technical Routes and Products

Leading in N-type PV Technology Set World Records for Multiple Times

Since establishment, we have resolutely chosen the N-type route and has steadily and continuously worked on technological innovation. Through profound technical accumulation, we have achieved efficiency breakthroughs and power improvements time and time again, driving the development and iteration of advanced technologies in the PV industry.



In 2023, our N-type TOPCon 4.0 technology set world records in laboratory cell efficiency and open-circuit voltage (Voc), making us a global leader in N-type cell technology.

At the same time, we have proactively formulated short-term, medium-term, and long-term technological routes to promote advancement on five major technological routes: TOPCon 4.0, TBC, SCPC, TSiP, and SFOS. Among these, the SFOS technology, jointly developed with Professor Martin Green's team from the University of New South Wales, is expected to achieve a cell efficiency of above 40%.

DAS Solar N-type TOPCon 4.0

Cell efficiency exceeds **26.33%**

Open-circuit voltage **735mV**

World record-breaking!

Technical Routes and Products

Technological Innovation and Product Matrix

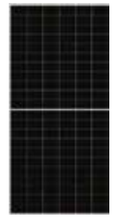
The DAON series products based on N-type TOPCon 4.0 technology include D-Mini, D-Matrix, and D-Max, suitable for multiple scenarios such as residential, commercial & industrial, and large-scale utility power stations.

M6 series - MBB design
P-type 72-cell 455W

2021

M10L series - SMBB design
P-type 72-cell 560W
N-type 72-cell 590W
N-type 78-cell 640W

2023



~2018

G1 series - MBB design
72-cell
P-type 415W/N-type 420W

2022

M10 series - MBB design
P-type 72-cell 550W

2024E

G12R series - SMBB design
N-type 66-cell 620W
N-type 66-cell 715W

In 2023, DAS Solar, along with several leading PV companies, directly addressed industry pain points by starting from the synergy of the industry ecosystem chain. Through multiple in-depth surveys, discussions, and consultations, we finally reached a rectangular-cut silicon wafer standardization initiative to reduce costs and increase efficiency, accelerate industry chain integration, and initiate a new round of collaborative and win-win modes in the PV ecosystem.

关于组件硅片规格尺寸标准化的倡议

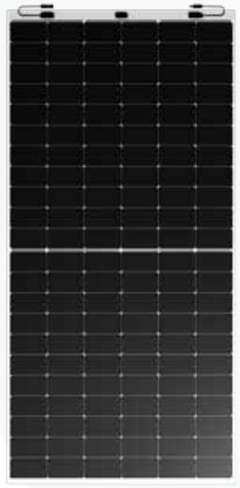
序号	公司名称	签字栏
1	阿特斯阳光电力集团股份有限公司	
2	东方日升新能源股份有限公司	
3	晶澳太阳能科技股份有限公司	
4	晶科能源股份有限公司	
5	隆基绿能科技股份有限公司	
6	天合光能股份有限公司	
7	通威股份有限公司	
8	一道新能源科技股份有限公司	
9	正泰新能科技有限公司	

In 2023, we launched a busbar-free module based on TOPCon 4.0 technology and the new BBF (Bus Bar Free) technology, achieving a module power of up to 640W and a conversion efficiency of up to 23%. This module inherits the advantages of the DAON series, with high efficiency, high power, high bifaciality, low risk of micro-crack, low temperature coefficient, and ultra-low carbon rate, further reducing the cost of PV systems per unit of electricity and bringing more stable returns to the market and customers.

- High Module Conversion Efficiency of 23%
- "0" Light-induced Degradation
- Bifaciality Up to 80%
- Excellent Low Light Response
- Low Micro-crack Risk
- Optional All-black Module Design

Lightweight Module

The front sheet of DAS Solar's lightweight module is made of fluorinated composite material, reducing the module weight by 60% compared to traditional products, making it suitable for various types of rooftops with weight-bearing restrictions. The module features a solderless design, low glare and elegant appearance, and incorporates advanced encapsulation technology and special materials to enhance its durability and reliability. The back adhesive mounting method is quick and convenient, requiring no additional support structures, thus saving cost and time.



Lightweight

60%

Weight Reduction
With the Same Power Output

9mm

Thickness, Low Storage
and Transportation Cost

The product has passed PCCC/TÜV/CGC certification and is covered by third-party quality assurance insurance, offering long-term material and liner power warranty.

Technical Routes and Products

All-scenario Photovoltaic Application Solutions

As the competition in the PV industry becomes increasingly homogeneous and intense, we actively explore the downstream application market, launching three major scenarios of Ecological Photovoltaics, Urban Photovoltaics, and Floating Photovoltaics with 18 "Photovoltaic+" application solutions. We have innovatively developed differentiated products and solutions such as Photovoltaic Desertification Control, Fishery Agrivoltaics System, Rapid Shutdown, and Flexible Mounting System, with multiple projects already in operation.

▲ Ecological Photovoltaics

Medium-span Adjustable Flexible Mounting System Photovoltaic Sand Control Solution

Medium-span Large-tilt-angle Flexible Mounting System Hill Photovoltaic Solution

Medium-span High-rise Flexible Mounting System River Photovoltaic Solution

Medium-span High-rise Flexible Mounting System Animal Husbandry Agrivoltaics Solution

.Large-span High-rise Flexible Mounting System Agrivoltaics Solution

.Large-span High-rise Flexible Mounting System Fishery Agrivoltaics Solution

Photovoltaic Energy Storage Microgrid + Cloud Computing Data Center

▲ Urban Photovoltaics

Lightweight Module Direct-Adhesive Photovoltaic Rooftop Solution

Waterworks/Sewage Plant Large-Span Flexible Mounting System Solution

High-safety Rapid Shutdown Photovoltaic Solution

Expressway Slope/Retaining Wall/Tunnel Entrance Photovoltaic Solution

Zero-carbon Service Area Integrated Photovoltaic Storage and Charging Parking Lot Solution

Wind-Solar-Storage Smart Microgrid Zero-carbon Plant Solution

Photovoltaic Hydrogen Production and Ammonia Synthesis Comprehensive Solution

Ring Expressway Interchange Photovoltaic Storage and Charging Microgrid

▲ Floating Photovoltaics

Pile-based Typhoon-Resistant Flexible Mounting System Offshore Photovoltaic Solution

Offshore Wind-Solar Power Plant Solution

Offshore Amphibious/Lake Floating Photovoltaic Solution

Participation in Industry Standards Development

The healthy development of the PV industry is inseparable from comprehensive standards covering PV materials, cells and modules, systems, and components. In 2023, we have led and participated in the formulation of over 10 international, national, industry, and group standards, actively promoting the formulation of core PV standards to meet the standardization needs of the PV field and contributing to the high-quality development of the PV industry.

We have participated in the development of a series of PV cell industry standards, including

No.	Standard	Participation Content
1	Manufacturing Guide for Standard Crystalline Silicon Photovoltaic Cells for Production Lines Part 1: Homogeneous Crystalline Silicon Photovoltaic Cells T/CPIA 0048.1-2022	Provides detailed guidelines for the production of homogeneous crystalline silicon PV cells, covering key steps such as material selection, processing technology, and quality control
2	Test Method for Contact Resistivity of Metal Electrodes on Crystalline Silicon Photovoltaic Cells by Transmission Line Model T/CPIA 0051-2023	Describes a method for measuring the contact resistivity of metal electrodes on crystalline silicon PV cells using the transmission line model, which is crucial for evaluating the electrical performance of the cells
3	General Technical Requirements for Portable Energy Storage Power Supply GDEDIA 0003-2022	Specifies the design, performance, and safety standards for portable energy storage power supply to enhance product reliability and user safety
4	Manufacturing Guide for Standard Photovoltaic Cells for Production Lines Part 1: Heterojunction Crystalline Silicon Photovoltaic Cells T/CPIA 0048.2—2023	Provides detailed instructions on the manufacturing process of heterojunction crystalline silicon PV cells, highlighting the technical characteristics and advantages distinct from homojunction cells
5	Revision of PV75: PID Sensitivity Test for Cell and Module Encapsulation Materials SEMI PV75-0823	Updates the sensitivity test for PV cell encapsulation materials under potential-induced degradation (PID) conditions, playing a significant role in enhancing the long-term stability and reliability of products
6	Crystalline Silicon Bifacial Double-Glass Photovoltaic Modules for Ground Use T/ZZB 3529—2023	These modules use bifacial light absorption and double-glass encapsulation technology, providing higher efficiency and durability suitable for ground-mount environments
7	Quality Grading and "Leader" Evaluation Requirements for Crystalline Silicon Photovoltaic Cells T/CPIA 0063—2024/T/CSTE 0533—2024	Establishes high standards for quality grading and evaluation systems to support and promote technological innovation and market competitiveness of PV products
8	Front and Back Silver Paste Curing Silver Paste T/CPIA 0030.4—2024	Specifies standards for silver paste used on the front and back of crystalline silicon PV cells. Silver paste is a key conductive material that directly affects the efficiency and lifespan of the cells
9	Low-Pressure Chemical Vapor Deposition Equipment for Crystalline Silicon Photovoltaic Cells T/CPIA 0059—2024	Focuses on standards for equipment using low-pressure chemical vapor deposition technology, which is primarily for thin film or coating deposition in cell production and plays an important role in improving cell performance

Laboratories

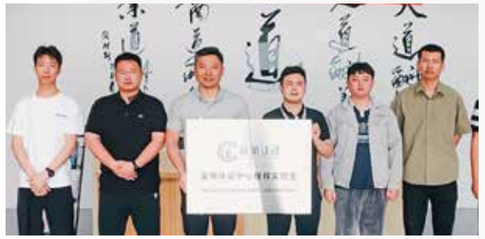
DAS Solar Photovoltaic Laboratory is one of the most advanced, professional, and comprehensive corporate laboratories in the PV industry, and it is accredited by the national CNAS laboratory. Its testing equipment covers dozens of testing items including module appearance inspection, maximum power determination, insulation testing, wet leakage current testing, PID, hail, LID, UV, wet freeze, and damp heat testing.

The laboratory strictly adheres to PV industry standards such as IEC61215 and IEC61730 for testing, integrating R&D and quality control to lay a solid foundation for improving the Company's innovation capacity and product quality.

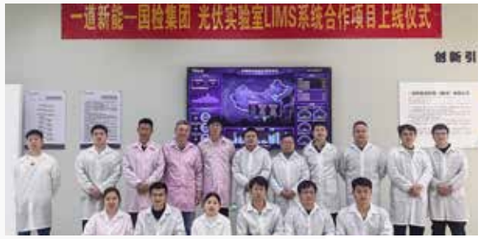
Laboratory Accreditation Certificates

TÜV NORD | IECEE | CB-Scheme's | CTF2 | TÜV SÜD | TMP

In 2023, the laboratory was granted the titles of “Outstanding Laboratory” for Photovoltaic Module I-V Characteristic Measurement Capability Verification and “Outdoor Practice Award” for Photovoltaic Enterprises



DAS Solar Zhangzhou Base Photovoltaic Laboratory Was Rated as the “CGC WMT Authorized Laboratory”



The PV-LIMS, a PV laboratory intelligent management system jointly developed by China National Inspection Group CTC and DAS Solar, is now fully operational

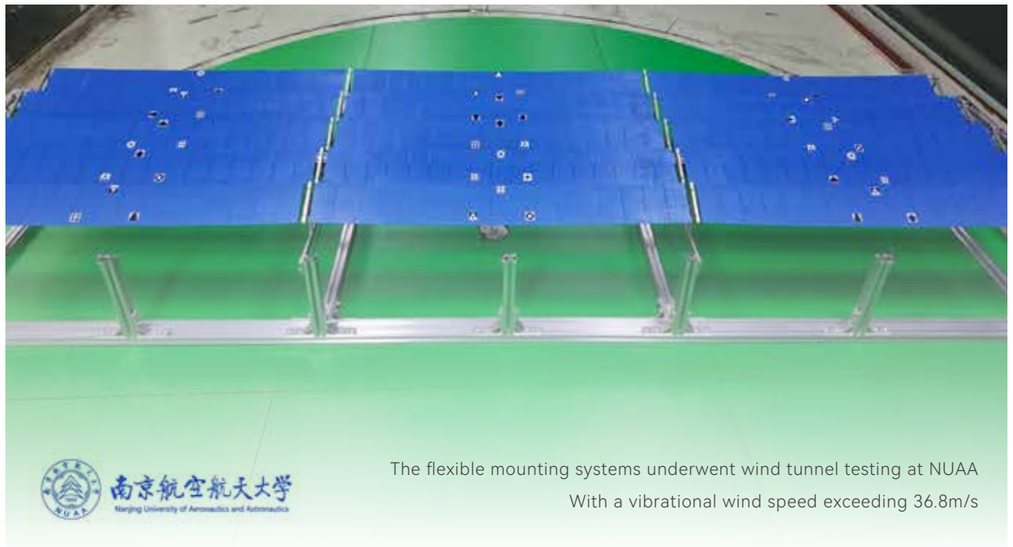
Industry-Academia-Research Collaboration

In relentless exploration of cutting-edge technologies, DAS Solar is engaging in deep collaboration with renowned domestic and international research institutions and universities. Currently, we have achieved phased R&D results and will continually contribute to China's leading position in PV technology.

DAS Solar-Hebei University Photovoltaic Innovation Research Center Inauguration

For a long time, DAS Solar and Hebei University have carried out extensive scientific research cooperation and resource complementarity based on deep trust, explored a seamless coordination mechanisms of industry, academia, and research, and established a mutually beneficial result transformation mode and school-enterprise cooperation. This mode will become a classic case of school-enterprise cooperation to promote the national new energy industry development.

Wind Tunnel Test



The flexible mounting systems underwent wind tunnel testing at NUAA
With a vibrational wind speed exceeding 36.8m/s

We have collaborated with the Wind Tunnel Laboratory of Nanjing University of Aeronautics and Astronautics(NUAA) to conduct in-depth research on the wind resistance of flexible mounting systems, jointly completing the wind resistance experiments.

Signed a Joint Research Agreement with the University of New South Wales(UNSW)

We have signed a joint research agreement with the team of Professor Martin Green, the 'father of photovoltaics', from the University of New South Wales, Australia, to jointly initiate the SFOS ultra-efficient solar cell research project and establish a mutually beneficial collaboration.

Technology Innovation Awards

Leading Enterprise in Energy Technology and Intelligent Manufacturing	GWh-Level Gold Award in Top 10 Highlights of SNEC
2023 5th Golden Leopard Award for PV Cells	APVIA Asian PV Technology Achievement Award
2023 5th Golden Leopard Award for PV Modules	APVIA Asian PV Application Award
2023 5th Golden Leopard Award for Outstanding Technology Brand	2023 GREEN PV Technology Innovation Award (PV Cells)
2023 Industry Leader in N-type PV Cells	2023 GREEN PV Technology Innovation Award (PV Modules)
2023 Best Supplier of N-type PV Modules	2023 Solar Energy Cup Flagship Product Award

2.2 Digitalization

Intelligent Manufacture

Following an enterprise development strategy of energy saving, environmental-friendly, and low carbon, the DAS Solar production base has facilitated the implementation of smart equipment, equipped itself with intelligent, automated, and digital production lines, and constructed modern production workshops. The entire production process is managed with an information system, achieving lean, standardised production across the board improving production efficiency, reducing energy consumption, ensuring product quality, and enhancing the company's core competitiveness. Through the intelligent energy management system, energy use data is automatically collected for statistical analyses of energy used by equipment and departments. This in-depth exploration of energy efficiency reduces waste and improves equipment operating efficiency, significantly reducing production costs and achieving energy conservation and emission reduction.

By leveraging intelligent, digital, and ecological management platform systems, we achieve coherent automation of the production line, thereby enhancing the efficiency of the base,, ensuring the interconnection of information , high-quality and efficient of the entire module production process.

In 2023, the Taizhou Base was honored as a 2023 Jiangsu Provincial Intelligent Manufacturing Model Factory.

In 2023, the Quzhou Base was recognized as a Zhejiang Provincial 5G Fully Connected Factory.

Intelligent Logistics

The utilization of intelligent software and hardware, the Internet of Things, big data and other intelligent technology allows for the tracking and management of processes from their source. The centralization of statistics, analysis, management, sharing and utilization of data through communication to intelligent data centers facilitates the achievement of fine, dynamic and visual management of all aspects of logistics. Furthermore, it improves the ability of logistics systems to undertake intelligent analysis, decision-making and automated operation execution, thereby enhancing the efficiency of logistics operations.

The company utilises advanced, modern Logistics System comprising advanced technological features, including, but not limited to, the following: informatisation, digitisation, networking, integration, intelligence, flexibilisation,agility, visualization, and automation , and so forth. This system effectively reduces logistics costs, improves enterprise profits, establishes a solid foundation for the intelligent integration of enterprise production, purchasing and sales systems, enhances enterprise comprehensive competitiveness, and promotes the development of logistics economy.

2.3 Product Quality and Safety

Quality System

Since establishment, DAS Solar have adhered to the core cconcept of "high standards, strict requirements" to establish a comprehensive quality control system, which has passed ISO9001, IEC62941, and other quality management system certifications. The company has set up the quality consciousness of all staff to ensure the quality of product shipments in all aspects. Relying on the excellent quality control system, the company carries out comprehensive supply quality control and incoming material inspection process. Through strict production line process control, accurate calibration of testing instruments, rigorous reliability testing and shipment quality supervision DAS Solar respond swiftly to customer needs while practicing a lifecycle quality control.

Comprehensive Quality Management

With the group headquarters as the quality center, DAS Solar leverages the capacity advantages of decentralized manufacture. The high-quality standards at DAS Solar's major production bases in China are implemented through advanced intelligent methods such as Statistical Process Control (SPC), Process Failure Mode and Effect Analysis (PFMEA), and Measurement Systems Analysis (MSA). Through unified leadership on product quality and tiered management, regular communication and innovation improvements ensured to enhanced capacity and quality while cutting down the cost.

During the module production process, we conduct three rounds of appearance inspection, three rounds ofEL inspection, and inspection of withstand voltage, insulation, and grounding for all modules to ensure the superior quality of each module. With a core concept of customer-oriented, DAS Solar ensures efficient delivery of high-quality products and attentive service throughout every quality control section during the entire sales circle.

DAS Solar has received numerous praises and been granted the "National Photovoltaic Industry Quality Leading Enterprise", "National Photovoltaic Industry Quality Leading Brand", "National Quality Inspection Stable Qualified Products", "National Quality Integrity Benchmark Enterprise" and other awards due to its superior capability in high quality in the industry.

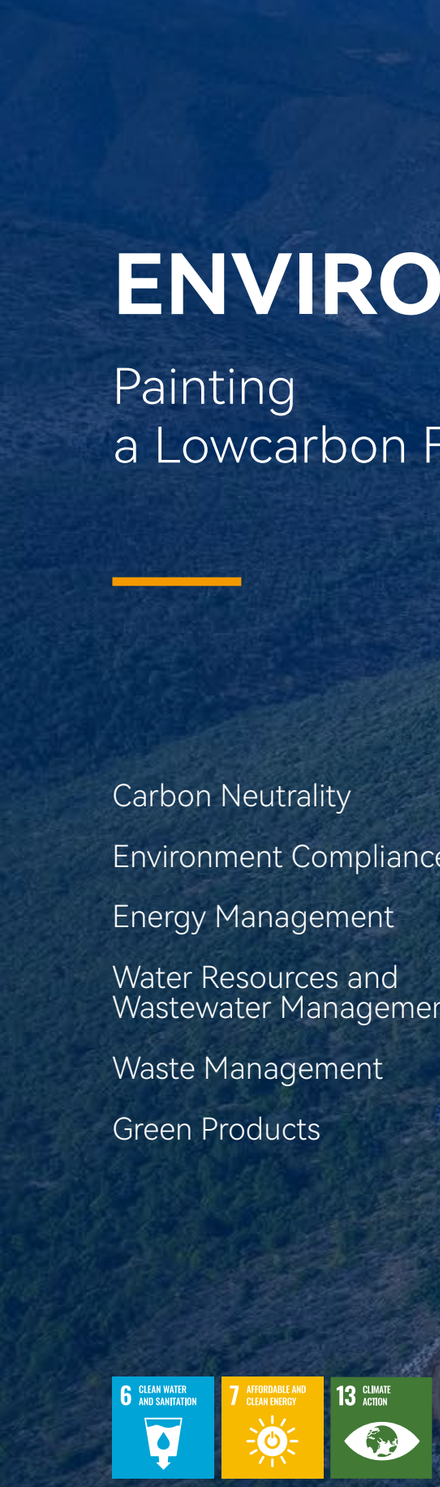
Quality Improvement Measures

In strict accordance with the Product Quality Law and other relevant national laws and regulations, DAS Solar have established internal control systems and standards to rigorously assess and determine the impact of products, services, and operations society. To address related risks, DAS Solar rigorously operate relevant systems in production and service operations, establish key processes, measurement methods, and indicators that meet regulatory requirements while develop corresponding countermeasures and improvement measures.

Major Projects		Control Measures
Quality Safety	Management System	For the establishment of quality management system is taken very seriously, all bases have been certified by ISO9001:2015 management system. From incoming materials to finished products, every process involves comprehensive participation in quality inspections, with patrol inspections by on-site inspectors and 100% AI automatic identification testing at critical inspection positions.
	Testing Capabilities	We have established a product testing laboratory, which has passed PV product testing laboratory accreditation of TÜV NORD and the testing capability verification of the China Institute of Metrology.
	Control Measures	Quality control measures cover all stages of the process, from product design, raw material procurement, product manufacturing, product inspection, performance testing, packaging, storage, and transportation to customer service. We are gradually introducing and extensively applying quality management tools such as FMEA, SPC, 8D, and Six Sigma at various stages of the production process, to effectively ensure product quality.
	Testing Standards	"Module Reliability Sampling Test Specifications" is established to implement strict quality controls on products and conduct random inspections occasionally, ensuring a 100% pre-delivery product inspection rate. For anomalies occurring in the production process, we have formulated the "Module Production Anomaly Handling Process" as well as quality standards for products, ensuring prompt implementation of corrective and preventive actions to prevent defective products from being delivered to customers.

ENVIRONMENT

Painting a Lowcarbon Future



ENVIRONMENT
Painting a Lowcarbon Future

Being focused on green and low-carbon development and actively respond to the national ‘carbon peaking and carbon neutrality ’ strategic goals, DAS Solar implements a scientific management of pollution emissions and waste disposal in strict accordance with environmental regulations and standards. Through technological innovation and process optimization, DAS Solar effectively reduces energy consumption and minimize the carbon emission, thereby promoting green and low-carbon development in production and operations as well as the global green energy transformation.

3 . 1 Carbon Neutrality

Das Solar 'Carbon Peaking and Carbon Neutrality' Goal

Achieve carbon neutrality at two bases by	Achieve carbon peaking at other bases by	Achieve carbon neutrality at all bases by
2027	2030	2050

Zero-Carbon Factory

DAS Solar actively explores the possibility of reduction, utilization, and harmless treatment of solid waste to build a 'zero-carbon factory' through the 'technology enhancement + governance' model.

To comprehensively improve utilization efficiency, and reduce the total energy consumption, DAS Solar aim to reduce energy use and carbon emission through green smart manufacturing, while increase the proportion of green electricity usage to produce green products and output green electricity in the production and operation of base.

With leading advantages in low-carbon, smart and intensive factory, DAS Solar Quzhou Base and Taizhou Base were respectively selected as 'Quzhou City Green Low-Carbon Factory' and 'Jiangsu Province Green Factory'.

Build a 'Zero-Carbon' Factory—Zhangzhou Base

Located in Dongshan County, Zhangzhou City, Fujian Province, an important hub connecting East Asia, Southeast Asia, and the Guangdong-Hong Kong-Macao Greater Bay Area. DAS Solar Zhangzhou Base has an internal photovoltaic installed capacity of up to 13.3 MW, making it the preferred pilot base for the group's construction of a ‘zero-carbon' factory. Its unique geographical advantages, convenient export conditions, 3GW module output, and 5GW planned cell capacity provide a solid production foundation for achieving the ‘zero-carbon' goal.

Meanwhile, Zhangzhou Base's complete supporting industries and low transportation costs further enhance its attractiveness as a pilot base. The base has also completed the 2023 greenhouse gas data verification according to ISO 14064: 2018 and has passed ISO 50001 energy management system certification, achieving energy utilization maximization through more scientific and reasonable energy management.

3 . 2 Environment Compliance

DAS Solar attaches great importance to environmental protection and actively fulfills its environmental responsibilities. In 2023, all production units of the company strictly implemented national environmental regulations and requirements. By focusing on the EHS management system, the company controls key points to set up annual goals of environmental management. By clarifying responsible departments and quantifying performance indicators, environmental work is prioritized in company management, and compliance performance is also considered the bottom line to ensure no major environmental violations occurred throughout the year.

The company will conduct ecological environmental assessments during the project development stage to confirm the impact to surrounding areas and the regional ecological sensitivity. To project involving key ecological environment control zones, the company strictly complied with local management requirements. At the same time, based on the ISO 14001 environmental management system, the company has established management systems such as the ‘EHS Operational Control Procedure,' ‘Environmental Factor Identification and Evaluation Process,' ‘Management Regulations of Wastewater, Waste Gas and Solid Waste,' ‘Responsibility System for Pollution Prevention and Control of Hazardous Wastes,' ‘On-site Storage Management System for Hazardous Wastes,' ‘EHS Accident Reporting, Investigation, and Handling Procedure,' and ‘Hazard Source Identification and Risk Assessment Procedure' to ensure compliant operations of the enterprise.

- "EHS Operational Control Procedure"
- "Environmental Factor Identification and Evaluation Process"
- "Management Regulations of Wastewater, Waste Gases and Solid Waste"
- "Responsibility System for Prevention and Control of Hazardous Wastes"
- "On-site Storage Management System for Hazardous Wastes"
- "EHS Accident Reporting, Investigation, and Handling Procedure"
- "Hazard Source Identification and Risk Assessment Procedure"

Sustainable Development Contributes to **“Carbon Neutrality”**

Build a Green Home for Mankind

DAS Solar shipped photovoltaic modules worldwide

Continuously providing clean, green electricity

At the end of 2023

The company has cumulatively shipped **35GW** of photovoltaic modules

Estimated saving of **12.34 million tons** of standard coal

Reduced CO2 emissions by approximately **35.96 million tons**

DAS Solar supports the global process of "carbon neutrality"

WE SUPPORT UN GLOBAL COMPACT

CCCA CHINA CORPORATE CLIMATE ACTION 中国企业气候行动

Carbon Value Management

Life Cycle Carbon Emissions Management

DAS Solar always adheres to the concept of green development, fulfills its social responsibility for low-carbon development. And always considers the environmental impact and strives to cut down carbon emission —from the very beginning stage of raw material procurement, production and manufacturing, packaging and transportation, application and maintenance, to recycling and disposal. The company continuously promotes product carbon footprint certification and steadily strengthens its carbon management capabilities.

Currently, DAS Solar has joined the China Communications Association's Low Carbon and Carbon Trading Promotion Subcommittee, the China ECOPV Alliance, ECOPV PV Recycle Industry Develepment Center, and the Green Energy Industry Development Association(GEA), and has successively achieved certification from platforms such as Achilles Management Platform, Carbon Footprint in France, EPD in Italy, and Energy Efficiency Labeling, further solidifying the company's green and low-carbon development path.

PVEL

EPD ITALY

certisolis
TEST - CERTIFICATION PHOTOVOLTAÏQUE

Achilles

Greenhouse Gas Verification

DAS Solar continuously refines its carbon emission management, conducts regular annual calculations of greenhouse gas emissions at each production base, and invites third-party certification bodies to verify carbon emissions at both the operational and value chain levels. This enhances the company's carbon management capabilities while fully exploring the potential for scientifically reducing carbon throughout the value chain.

In 2023, DAS Solar Quzhou Base, Taizhou, and Zhangzhou successfully completed the carbon verification organized by the third-party certification organization of TÜV SÜD, and were awarded the ISO 14064 organization greenhouse gas verification statement. This demonstrates DAS Solar's efforts and achievements in reducing carbon emissions throughout the product life cycle and provides strong evidence of its commitment to promoting sustainable development worldwide.

Greenhouse Gas Verification Form for Quzhou, Taizhou, and Zhangzhou Bases

Category	Quzhou Base	Taizhou Base	Zhangzhou Base
Category 1	943.05 tCO_2e	1933.53 tCO_2e	358.79 tCO_2e
Category 2	280646.24 tCO_2e	181558.15 tCO_2e	18471.14 tCO_2e


Organizational Greenhouse Gas Verification Statement
No. CNGHG 102627 0657 Rev. 00


Organizational Greenhouse Gas Verification Statement
No. CNGHG 102627 0656 Rev. 00


Organizational Greenhouse Gas Verification Statement
No. CNGHG 102627 0658 Rev. 00

3.3 Energy Management

Energy Management System

DAS Solar focuses on improving energy utilization efficiency, continuously optimizes its energy management system, promotes energy efficiency improvement initiatives, and actively identifies and implements energy-saving projects. Meanwhile, the company has clarified the responsibilities of various organizational units in energy management, established management standards and requirements for energy management compliance, further standardized the company's energy management efforts, and strengthened its ability to prevent energy-related risks.

The company strictly adheres to the requirements of GB/T 36132-2018 'General Principles for Assessment of Green Factory', comprehensively planning and building infrastructure, management systems, energy and resource inputs, products, and environmental emissions to ensure that every step meets green development standards. All three bases have been certified under the ISO 50001 energy management system. The Quzhou Base has been awarded the Zhejiang Water-saving Enterprise and the Quzhou Green Factory.

Type of Energy		Unit	2021	2022	2023
Gasoline	Total	L	14987	21312	44403.07
	Total Energy	KJ	471203868	670067180	1388261984
Diesel	Total	L	16023	33408	106759.09
	Total Energ	KJ	587722301	1225402648	3829662076
Natural Gas	Total	m^3	14470	356757	112376
	Total Energy	KJ	563327171	13888798308	3992719280
Electricity Consumption	Total	KWH	84016958	351332962	542412867.5
	Total Energy	KJ	302461048800	1264798663200	1952686322856
Total Energy		KJ	304083302140	1280582931336	1961957645836
		GJ	304083	1280583	1961957

In 2021, the data statistics covered Quzhou Base
In 2022, the data statistics covered the Quzhou and Taizhou Bases
In 2023, the data statistics covered the Quzhou, Taizhou, and Zhangzhou Bases.

Green Energy

The company installs PV modules on factory rooftops, carports, and other available places, using green electricity for production and manufacturing. In 2023, the three bases used a total of 9,619,940 kWh of photovoltaic power, accounting for 17.4% of electricity consumption.

The company's Quzhou Base has a self-built 5.5 MW rooftop C&I PV project with an annual design of 100% PV power generation of 6 million kWh, reducing the demand for municipal electricity. This equates to a reduction of approximately 2,000 tons of standard coal usage annually, equivalent to a reduction of about 4,985 tons of carbon dioxide emissions. The Taizhou Base has a PV power station with an annual design power generation of 6 million kWh too. The first phase of the Zhangzhou Base involves the construction of a 7.3 MW C&I PV project on the rooftop and carport of the plant, equals to an annual power output of 8 million kWh.

Energy Conservation

The company analyzes the energy consumption of different areas within the factory and formulates targeted improvement plans. Through technological research and development, equipment upgrades, process optimization, and management upgrades, it fully explores energy-saving potential and continuously improves energy use efficiency.

Measures like upgrading the lighting system in the lamination area and modifying the heat discharge in the string welding area demonstrate the company's emphasis and determination on energy conservaion.

▶ Energy-saving Retrofit of External Air Precooling in Workshop 5 Pcw

It is expected to save approximately 410,000 yuan in electricity costs annually

Cooling towers are used to provide cold water below 18 degrees Celsius to the PCW plate heat exchanger, the load on the ice machine is reduced or the ice machine and ice fountain are shut down, achieving overall power consumption savings at the power station

▶ Improvement of Cleanliness and Temperature in the Front Area

Save nearly 2 million yuan in ice machine electricity costs annually and also increase the air supply volume in the front area of the workshop

By increasing the FFU, the temperature of the ice water can be raised, achieving ice machine energy savings without affecting the cleanliness of the workshop

▶ Power Factor Improvement Report

After the normal production of battery modules, approximately 1.49 million yuan can be saved in electricity costs annually

By modifying the high-voltage tap route, the transmission power factor is increased to over 95%, reaching a maximum of 99%

▶ Battery MAU Humidification Water and Condensate Recovery Improvement

Approximately 534,000 yuan in water and electricity costs can be saved annually

By installing an independent lift well, the automatic start and stop of the pump water level are achieved. At the same time, the rooftop water pipe outlet is connected to the cooling tower, lifting the condensate to the cooling tower

▶ Battery Air Compression System Energy Savings Proposal

Approximately 2.898 million yuan in energy consumption can be saved annually for the air compression system

By reducing gas usage and modifying equipment machines, energy saving and efficiency improvement are achieved

▶ Boiler Gas Energy-Saving Measures

For production in a full capacity, the use of the boiler at 65% load during winter can save about 4.91 million yuan in annual operating costs. (Except for extreme cold weather)

By adding an electric bypass valve to the cooling water to control the return water temperature, manually adjusting to increase the hot water temperature, then feeding it to the purified water station through the return system, replacing the boiler. Achieve simultaneous heating and cooling with the ice machine without increasing its load

3.4 Water Resources and Wastewater Management

The company mainly relies on municipal supply for enterprise production and manufacturing. The company uses AqueductTM Tools developed by WRI (World Resources Institute) to assess the annual water risk at all operation sites, considering the physical risk quantity of local water resources (such as baseline water stress, meteorological disaster impacts), physical risk quality (water quality impacts), and regulatory and reputational risks. The evaluation results show that the company's production and operation sites are not in high or extremely high water risk areas.

DAS Solar is committed to building an efficient and environmentally friendly wastewater treatment system, achieving maximum water resource utilization and continuous environmental improvement through innovative technological and refined management. The Quzhou Base modified the concentrated water drainage pipeline, recycling directly discharged cleaning water to an external concentrated water tank, which then supplies various usage points, forming a closed-loop water system recycling model. This initiative can reduce wastewater discharge by 45,000 tons, saving 171,000 yuan annualy.

In terms of cleaning equipment, the company uses chemical recycling technology for acids and alkali, reusing cleaning waste lye to exhaust gas scrubbers. Simultaneously, discarded silane, ammonia gas, and other substances from coating equipment are recovered and utilized for alkali neutralization. The neutralized wastewater is sent to the wastewater station and treated. The produced reclaimed water is then reused in the cooling tower and wastewater station, achieving multi-level, high-efficiency utilization of water resources.

3.5 Waste Management

In terms of solid waste prevention and control, the company follows the principle of "on-site collection and centralized storage". The "Management Regulations of Wastewater, Waste Gases and Solid Waste" have set corresponding management rules for production sites and temporary storage areas where solid waste is generated. Properly implementing waste classification and collection, storage in designated locations, specialized personnel in charge of operations and training requirements, daily registration and maintenance, as well as regular inspections and assessments and other detailed tasks for solid waste management.

The company continuously innovates process recipes to reduce chemical usage. During the production process, by improving the cleaning and etching procedures, hydrochloric acid and hydrofluoric acid are used instead of nitric acid, reducing the discharge of waste acid and minimizing environmental pollution. Additionally, through process and recipe improvements, the company achieved reductions in the consumption of acids, alkalis, silicon wafer etching additives, potassium hydroxide, hydrogen peroxide, hydrofluoric acid, and other chemicals. The company upgraded traditional disposable packaging boxes to reusable transfer boxes, effectively reducing the consumption of cardboard boxes and promoting the practice and development of green packaging.

In addition, the company fully recycled discarded silicon wafers, which were reprocessed and extracted by recyclers. The company has completed the research and development of module recycling equipment and the construction of production lines, enabling the use of dismantling technology to separate the frames and glass of discarded PV modules, break the adhesion of EVA materials, and use mechanical equipment to crush, grind, and sort the modules, efficiently separating aluminum frames, tempered glass, EVA, backplane material particles, and silver-containing aluminum.

Substitution of Hazardous Substances: In production, sodium hydroxide is replaced by potassium hydroxide, improving production efficiency and reducing unit consumption; silane used in the original phosphine process is flammable, and trimethylaluminum can ignite spontaneously in air. Through process improvements, the phosphine process was eliminated, safety hazards posed by silane, trimethylaluminum, carbon monoxide, and hydrofluoric acid were removed; hydrochloric acid and hydrofluoric acid were used for cleaning, texturizing, and alkaline polishing, replacing nitric acid, reducing waste acid discharge, pollution, and environmental damage.

3.6 Green Products

Green Product Design

DAS Solar is committed to achieving green friendliness throughout the entire life cycle of its products.

In terms of product innovation, the company's N-type cell mass production efficiency continuously sets world records, accelerating the transition from P-type to N-type products and significantly shortening the energy payback period of the photovoltaic module manufacturing process from an industry average of approximately 1.2 years to less than 0.9 years, significantly reducing the per-watt energy consumption in the manufacturing process.

DAS Solar actively engages in module recycling, accelerates the research and development of key recycling technologies for modules, and promotes the DFR eco-design concept. In the selection of coatings, cells, aluminum foils, and other materials, green recyclable materials are used, along with a composite material frame design that is green and harmless, forming a closed-loop process. Compared to conventional modules, these modules are easier to decompose with a higher comprehensive utilization rate, and lightweight module products can achieve 100% resource reuse.

Green Solutions

As a provider of full-scenario photovoltaic application system solutions, the company actively explores and delves into "ecological, urban, and floating", and innovatively develops one-stop full-scenario photovoltaic system solutions such as photovoltaic sand control, carbon service area light storage and charging integrated parking lot solutions, fishery-photovoltaic complementarity, and offshore wind-solar combined power plants. It fully utilizes idle land resources, creating a "photovoltaic+" innovative application model that organically integrates photovoltaic power generation with traditional multi-industry sectors, promoting ecological balance and biodiversity conservation, driving green energy exploration and development, and contributing to the construction of a new, green, efficient and smart energy system.

Ecological Photovoltaics

Yimen, Yunnan "Pharmaceutical Complementary Solar" Project

The flexible solar photovoltaic supports from DAS Solar boast three major advantages: high clearance, large span, and high safety. This design effectively avoids the unfavorable factors of mountainous terrain and numerous slopes, maximizing land usage. Above the panels, green electricity is generated; below the panels, medicinal herbs are planted. This creates a complementary dual industry that further enhances economic benefits and land use efficiency, promoting local energy transition.

Urban Photovoltaics

Tianjin Warehouse Photovoltaic Power Generation Project

Lightweight modules from DAS Solar were installed on the limited-load capacity color steel tile roof. These modules are lightweight, anti-aging, low glare, and easy to install, creating a lightweight aesthetic and green roof.

Rongwu Expressway Slope Photovoltaic Power Generation Project

Adopting lightweight modules and a high span flexible mounting system ,The lightweight modules weigh only 4.3kg/m^2, and large-scale installation does not significantly impact the design strength of the slopes. In addition, the glare-free design of the modules can prevent secondary disasters. The project generates electricity for self-use, and excess power is fed into the grid, effectively reducing highway operation costs and promoting the construction of green transportation.

Floating Photovoltaic

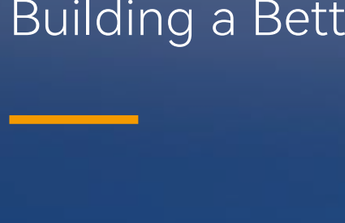
Anhui Fuyang Floating Solar Power Generation Project

This project is the world's largest single floating solar project, utilizing the idle water surface of a coal mining subsidence area to construct a floating photovoltaic power station. By integrating photovoltaic power generation with fish farming, it not only efficiently activates idle water surface resources but also reduces water evaporation and inhibits excessive algae growth, effectively improving the local ecological environment.

DAS Solar offshore floating photovoltaic solution uses box-type floats, rigid supports, and flexible connections to form a rectangular array that covers the sea surface. This approach also addresses marine ecological management, creating a blue barrier for water surface applications.

SOCIAL MANAGEMENT

Building a Better Home



SOCIAL RESPONSIBILITY
Creating Sustainable Social Value

4.1 Human Capital

Management Philosophy

DAS Solar has always regarded talent as the core driving force of enterprise development. Adhering to an employment philosophy of "openness, equality, and inclusiveness", it has built a comprehensive, multi-level talent training and development system aimed at improving employees' overall quality and professional skills in all respects, striving to create a healthy environment where talent can emerge, and the company can thrive.

Talent Attraction and Retention

A Diverse, Equal, and Inclusive Employment Culture

As of the end of the reporting period, the company had a total of **3,590 employees**

DAS Solar upholds the core values of openness, inclusiveness, and equality, integrating the principle of equality into every segment of recruitment, compensation, promotion, training, and daily work, striving to create a diverse, unbiased workplace. The company firmly opposes any discriminatory behaviors based on race, color, gender, religion, age, nationality, social or ethnic background, sexual orientation, gender identity or expression, marital status, pregnancy, disability, or veteran status, ensuring that every employee has equal opportunities and treatment.

Employee Distribution (Region)

- Quzhou: 2,489 employees
- Taizhou: 700 employees
- Zhangzhou: 401 employees

Employee Distribution (Gender)

- Male: 2,534 employees
- Female: 1,056 employees

Employee Distribution (Ethnicity)

- Han Nationality: 3,413 employees
- Minority Ethnic Groups: 165 employees
- Foreigner: 12 employees

Mid-Level and Senior Staff Distribution (Ethnicity)

- Han Nationality: 366 employees
- Minority Ethnic Groups: 16 employees
- Foreigner: 12 employees

Executive Staff Distribution (Gender)

- Male: 5 employees
- Female: 2 employees

Mid-Level and Senior Staff Distribution (Gender)

- Male: 308 employees
- Female: 86 employees

Educational Background of Mid-Level and Senior Staff

- Bachelor's Degree: 66%
- Master's Degree: 13%
- Others: 21%

Talent Reserve Mechanisms

DAS Solar has developed a comprehensive and efficient talent reserve and development strategy aimed at creating a transparent and fair talent management system.

▶ Establishing a Sound Management System for Cadres

DAS Solar has formulated and published a series of regulations such as the "Cadre Management Measures" and the "Cadre Probation Management Specifications". Through clearly defined selection criteria and rigorous processes, a fair and just cadre selection mechanism has been established to select employees with potential and capability for leadership positions. This effectively promotes the smooth transition of new cadres and team integration, laying a solid talent foundation for the company's sustainable development.

▶ Deepening Talent Review and Succession Planning

DAS Solar implements a quarterly successor review and an annual comprehensive talent review system to clearly define the reserve echelon for all management positions, ensuring an orderly succession mechanism for key positions and providing continuous momentum for the company's long-term development.

▶ Building a Tiered Talent Development System

DAS Solar has established a scientific and systematic tiered talent development mechanism. Customized training programs are designed for talents at different levels and in various fields. Through professional training, practical exercises, and mentorship, the professional abilities of talents are comprehensively enhanced.

▶ Management Trainee Training and Development Plan

DAS Solar actively undertakes corporate social responsibility and launched a large-scale management trainee recruitment plan, bringing fresh talent and energy into the company.

In 2023, more than **500** outstanding young talents joined the company's management trainee program

Performance Evaluation System

When constructing and utilizing its performance evaluation system, DAS Solar integrates advanced management concepts deeply. It precisely identifies and continuously optimizes core business processes. The Group HR Center, together with the Group Center and the heads of each base, collaboratively participate in setting performance goals to ensure seamless and efficient operations from top-level strategy to grassroots execution.

The specific process is as follows	KPI Kickoff Meeting	KPI Decomposition	KPI Confirmation Meeting	KPI Review
Define the company's operational KPIs for the next fiscal year, including financial, sales, and management KPIs	Managers of each center/base break down company-wide operational goals into departmental KPIs	Discuss the rationality of the KPI settings with the Chairman	Organize the heads of each center to confirm KPIs and clarify next year's KPIs	Quarterly and semi-annual review of the rationality of KPIs and target values
Time Requirements:	Time Requirements:	Time Requirements:	Time Requirements:	Time Requirements:
December	Within 10 Working Days	Within 5 Working Days	/	/
Responsible Departments:	Responsible Departments:	Responsible Departments:	Responsible Departments:	Responsible Departments:
Human Resources Center	Human Resources Center	Human Resources Center	Human Resources Center	Human Resources Center

Talent Promotion System

To meet the development needs of employees with different abilities, qualities, and career interests, the company has developed promotion evaluation and management methods for different career paths, providing employees with a clear growth roadmap and promotion trajectory. The company's job levels range from level 10 to 62, with a total of 18 levels. There are four major career promotion paths: Management sequence (M), performance sequence (P), sales sequence (S), and technical sequence (T).

Four Major Promotion Paths

Job Level	Management Sequence (M)	Technical Sequence (T)	Performance Sequence (P)	Sales Sequence (S)
62	CEO	/	/	/
61	Vice President/General	Chief Scientist	Chief Expert	Chief Business Officer
52/51	Manager	Technical Expert	Expert	Senior Vice President of Sales
43	Deputy General Manager	Principal Engineer	Senior Engineer	Vice President of Sales
42/41	Manager			
33	Senior Director	Senior Engineer	Engineer	Sales Director
32/31	Director			
23	Senior Manager	Senior Engineer	Senior Specialist	Sales Manager
22/21	Manager	Engineer	Specialist	
20	Senior Supervisor	Assistant Engineer	Assistant	
13	Supervisor	Technician	Clerk	Sales Specialist
12	Junior Manager Team Leader	Multifunctional Worker/ Inspection Staff/ Warehouse Clerk/ Statistician		
11	Group Leader	Operator/Inspector	/	/
10	/	Intern		

Human Resource Development

Career Planning and Development System

To achieve a deep integration and win-win situation between the company's long-term interests and the individual's career value, DAS Solar has established a comprehensive training and development system. This system not only includes advanced courses in professional skills but also covers leadership development, innovation thinking stimulation, and industry trend insights at multiple levels.

Internal Specialized Training	Conduct specialized training for various levels of talent in management, professional, technical, and sales sequences. For example, the DAWN Program for team leader training, the SUNRISE Program for management trainee boot camps, professional quality enhancement training, the SETSAIL Program for base general backup training, new manager training, and the VOYAGE Program for director-level management training.
External Training	For key positions and management teams, hire external professional trainers or provide offsite learning to improve business skills or management abilities. Examples include the Transition Plan, PMP Management Skills Training, Leadership Program, etc.
Mentorship Program	This refers to a mentoring approach where key frontline production personnel guide and teach new employees job skills. Employees who complete a project under the mentorship program or achieve a certain tenure will have their mentors rewarded. This aims to further enhance the technical skills and integration of new hires and job transferees with the company culture and philosophy, continually improving their job proficiency.
Job Certification Assessment	This is a certification organized to evaluate whether on-the-job personnel meet the role requirements. The job certification follows the management principle of issuance upon employment, retrieval upon departure, and exchange upon job transfer to ensure regulated management and safe production.
Skills Level Assessment	This refers to a method of evaluating employees' theoretical and practical skills through written exams and hands-on tests. After passing the skills assessment, the company will offer certain rewards to motivate employees to learn independently and improve their professional theoretical knowledge and practical abilities. The skills assessment is classified into two types: Skills Talent Assessment and Engineer Talent Assessment.
Internal Job Competition	Regularly, jobs and requirements are publicly posted on the internal website for competition or internal recommendation.
Educational Advancement	The "Job Certification Assessment and Skills Assessment Standards" have been established to standardize the processes related to job certificates, skill assessments, professional titles, vocational qualifications, and educational advancement, specifying the subsidy disbursement standards.

Employee Training

The total number of trainees as of the reporting period

46,400

DAS Solar has deeply integrated the advantages of offline practice and online resources to form a flexible and efficient talent development model. The carefully designed training management framework not only ensures the systematic and continuous nature of training activities but also promotes the conversion and application of learning outcomes.

History of Photovoltaics
DAS Solar CTO, Dengyuan Song

History of Photovoltaics and DAS Solar's Preparedness
DAS Solar COO, Songyuan Piao

A Changing World, Unwavering Perseverance
DAS Solar Senior Vice President, Weihong Huang

Optimization of Internal Resources

DAS Solar selects and trains a group of highly skilled and experienced internal instructors, enriching internal training resources and enhancing the relevance and effectiveness of training. These instructors provide valuable guidance and insights to trainees with their unique industry perspectives and practical experience, further stimulating employees' enthusiasm for learning and career aspirations.

Team Leader Training

External Collaboration between Universities and Enterprises

DAS Solar actively expands external collaboration channels, establishing close strategic partnerships with several well-known universities. Leveraging the strong teaching resources of universities, it provides employees with a broader learning perspective and in-depth professional training to enhance their overall quality and professional capabilities.

Tiered Training System

DAS Solar has developed a tiered training system based on an overall training plan. Tailored training programs and course arrangements are designed for employees at different levels and positions, achieving optimal allocation and efficient utilization of training resources.

Talent Development	Director-level training (voyage plan): mentorship, job rotation, training sessions, experience extraction, knowledge sharing. training format: external instructors + discussions with masters New manager training (transformation plan): mentorship, theoretical/group training, management experience sharing, project-based work. training format: offline training + extended learning Team Leader reserve (spark plan): management skill enhancement. training format: offline training + online learning Management trainee development (sunrise plan): professional lecturers. training format: offline training + online learning + extended learning
Specialized Training	Management empowerment: professional lecturers, case studies, team cooperation exercises, role-playing. training format: offline training + project-oriented training Business training: simulations of real business scenarios, case analyses, field studies. training format: offline training + self-study Sales training: sales case sharing, marketing training programs. training format: offline training + online learning + external instructors Quality training: quality management system training, quality issue resolution discussions, quality improvement project guidance. training format: offline training + online training + improvement and innovation Professional competency enhancement: public courses, master talks, specialized training. training format: online training + offline training + online learning
Technical and Skilled Talent Development	Engineer development: skill level assessment, job learning maps. training format: offline assessments + online training + online learning Skilled talent development: skill level assessment, mentorship. training format: practical training + mentorship + job certification system + skill assessments
Onboarding Training	New employee training: introduction to company culture, policies, quality training, safety training. training format: offline training + online training
Training Resource Development	Course development training:train the trainer training (TTT). training format: offline training + extended learning + online learning In-house instructor training: train the trainer training (TTT). training format: offline training + extended learning + online learning

Learning Development Platform

DAS Solar actively explores innovative talent development models and paths by introducing advanced information platforms such as the iTalent EHR system, YingSheng, and Hundun Academy. These initiatives create an efficient, intelligent knowledge-sharing and team collaboration ecosystem, providing strong support for employee career development.

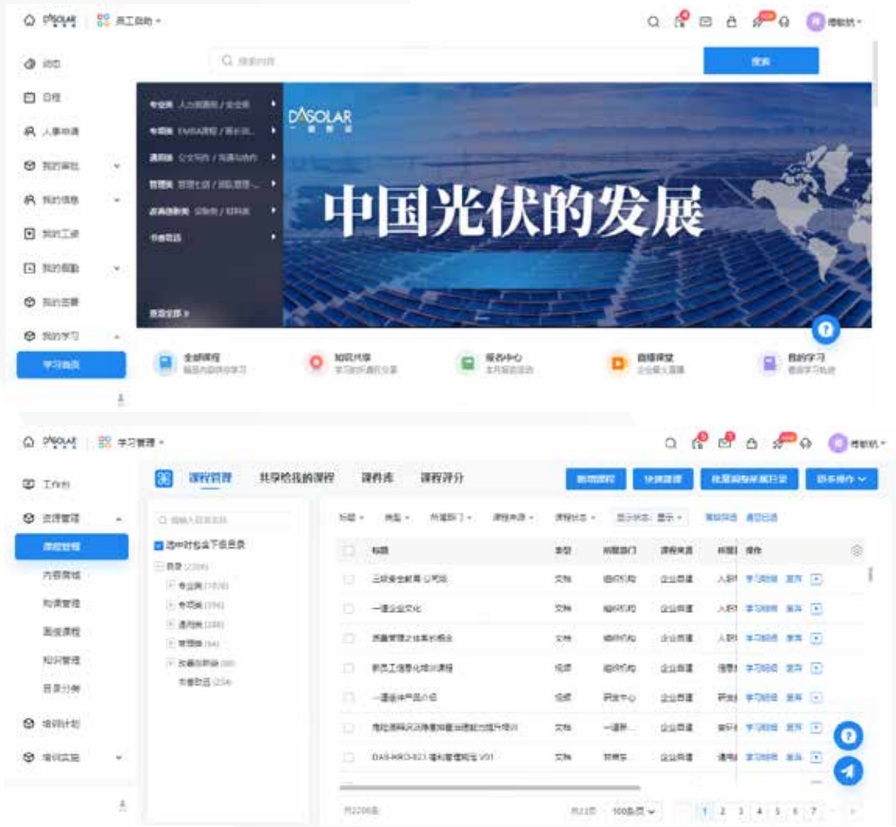
To meet the diverse learning needs of employees, DAS Solar currently offers over 2,100 online courses covering specialized, professional, general, management, and improvement and innovation categories.

Average training hours per employee

41.4 hours

Total learning hours as of the reporting period

12,298.29 hours



Employee Rights Protection System

Employee Care and Benefits

DAS Solar is committed to steadfastly protecting the legal rights of every employee, actively building a sound rights protection system, aimed at improving employees' well-being, thus attracting and retaining talented individuals from all walks of life.

Employee Care

To standardize the management of employee benefits and protect employee rights, DAS Solar uses various channels to deeply understand the welfare needs and expectations of employees, including employee proposals, democratic forums, departmental meetings, one-on-one interviews, and employee satisfaction surveys, ensuring that the company's welfare policies accurately meet the actual needs of each employee.

Staff Meeting

Innovation Incentives

Employee Benefits

For employees of different levels, DAS Solar provides personalized and differentiated services and support, ensuring that each employee can feel the company's care and attention. In terms of welfare policies, the company provides comprehensive and considerate protection, including complete social insurance and housing fund, sufficient statutory annual leave, as well as marriage leave, maternity leave, paternity leave, breastfeeding leave, parental leave, bereavement leave, and other statutory holidays. In addition, the company also provides commuting and accommodation subsidies, working meal and dining subsidies, additional annual leave, home visit leave, regular medical examinations, holiday benefits, birthday benefits, etc., aiming to comprehensively improve employees' quality of life and job satisfaction. At the same time, the company has implemented a series of incentive measures, such as performance rewards, equity incentives, career development funds, etc., ensuring that employees' efforts and contributions receive due recognition and rewards.

Communication Channels

DAS Solar is committed to creating an open and transparent employee communication system, ensuring smooth information transmission and instant feedback, including providing employee handbooks, corporate brochures, and management system documents as important windows for employees to gain an in-depth understanding of the company's culture, policy orientation, and business processes, helping each employee to quickly integrate and understand the company's core values and operating mechanisms.

DAS Solar regularly holds a variety of meetings and activities, such as departmental meetings, performance review meetings, and employee forums, aiming to strengthen team collaboration and communication. In addition, the company regularly organizes professional skills training, career development courses, and other educational training activities to help employees continuously break through themselves and achieve leaps in their careers. To further improve communication efficiency, the company makes full use of modern information technology, such as the company's Office Automation system and corporate WeCom platform, to build a convenient and efficient two-way interaction bridge, forming a good communication atmosphere between superiors and subordinates as well as across departments.

Communication Objects	Communication Methods	Communication Frequency	Communication Direction
Internal Employees	Employee Handbook	Annually	Two-way
	DAS Solar Corporate Culture Brochure	Annually	Two-way
	Management System Documents	Annually	Interaction between superiors and subordinates
	Company Office Automation System, WeCom	At any time	Two-Way Interaction
	Publicity Windows, Workshop Bulletin Boards	At any time	Two-Way Interaction
	Employee Handbook, etc.	Regularly	Two-Way Interaction
	Departmental Morning Meetings, Production Communication Meetings, R&D Meetings, Marketing Meetings, Quality Analysis Meetings, Monthly Performance Summary Meetings, Semi-Annual Summary Meetings, Annual Summary Meetings	Regularly	Interactive and Top-Down
	Various Forms of Employee Forums	Monthly	Interactive and Top-Down
	Employee Education and Training (Internal and External Training, Leadership Lectures, Skills Competitions, Master Talks, etc.)	As Planned	Interaction between superiors and subordinates
	Employee Cultural Activities, etc.	Annually	Interactive
	Other Forms of Group Activities: Basketball Games, Sports Events, Team Building Activities, etc.	According to Monthly Plans	Interaction with Subsidiaries, Company, and Other Units, etc.
	Channels for Rationalization Proposals	At any time	Two-way
	Conduct Various Forms of Employee Surveys and Evaluations	Plan	Interactive and Top-Down

Employee Satisfaction

To further optimize the company's operational system, improve overall management levels, and deeply enhance the sense of belonging, happiness, and fulfillment among employees, since its inception DAS Solar has regarded creating an excellent working environment and fostering a positive team atmosphere as core tasks.

Employee satisfaction rate in 2023

94.9 %

DAS Solar consistently conducts comprehensive and detailed employee satisfaction surveys. Through questionnaires, anonymous feedback mechanisms, and regular data analysis, it identifies employees' needs and expectations in various areas including work environment, career development, benefits, and corporate culture. In response to the issues and shortcomings revealed in the surveys, the company promptly formulated and implemented a series of highly targeted and effective improvement measures. Significant results have been achieved, with employee satisfaction rising from 80% in 2020 to 95% in 2023.

Employee Activities

DAS Solar always puts the well-being of employees and their families first. It is committed to creating a warm and vibrant working environment where every employee can enjoy the beauty and harmony of life while achieving career development.
On holidays such as International Women's Day and Mother's Day, the company distributes holiday gifts and organizes celebration activities to show care for female employees. The company regularly holds Family Day events, inviting employees' families to participate. Through activities such as parent-child games and talent shows, it strengthens emotional bonds among family members, helping employees feel the company's emphasis and support for their family lives. To further enhance employees' sense of belonging and happiness, the company actively organizes cultural and sports activities such as photography competitions, basketball games, speech contests, and badminton matches, providing a platform for employees to showcase and challenge themselves.

Celebrating International Women's Day

Quzhou Base Family Day

Basketball Game

Employee Birthday Party

Safety and Health

Safety Production Management

In terms of safety production management, DAS Solar conducted statistical analysis this year on safety expenditures, hazard investigations, and analyses. The specific results are as follows:

- Implementation status: according to the "Company Safety Production Fund Extraction and Use Management Measures", it meets the requirements.

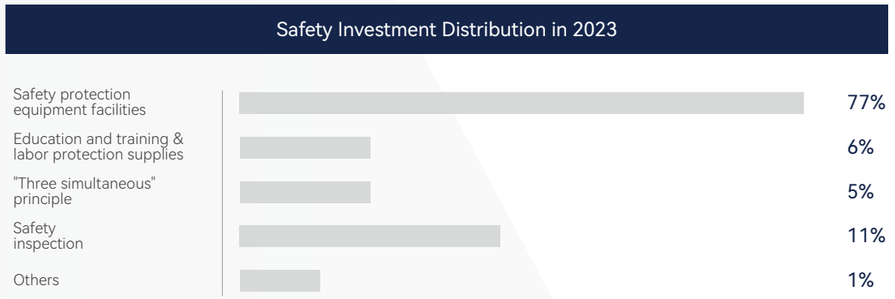
In 2023, three bases planned to invest

24.19 million yuan

Currently, all company departments have actually invested

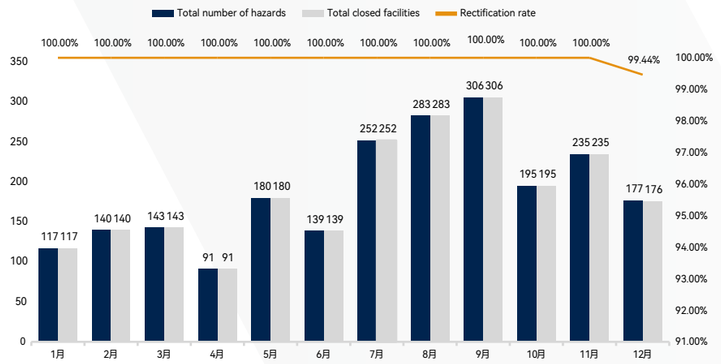
3702.7 million yuan

- Cost type analysis: the main types of investment include safety protection equipment and facilities, safety inspections and labor protection.



- Investigation and management of safety hazards

Summary of hazard investigations in 2023



In 2023, the security and environment protection department organized

729 inspections in total

2,291 items investigated

2,290 items rectified

Rectification completion rate **99.9%**

Summary of hazard classifications in 2023

Category	Quantity	Category	Quantity	Category	Quantity
Fire safety	440	Electrical safety	221	Special equipment management	96
Chemical management	225	Equipment and facilities	172	Environmental management	115
Management deficiencies	167	Occupational hygiene on-site management	192	Operational behavior	256
Stakeholder management	56	Education and training	40	Emergency management	86
Confined space management	0	Others	192		

Occupational Health

DAS Solar has always adhered to the core concept of human rights and labor rights, committed to creating a safe, healthy, and equally opportunistic work environment for employees. The company has implemented a comprehensive Environmental, Health and Safety (EHS) training program and emergency management exercises to provide all-round protection for employees' work health.

EHS Education and Training

In 2023
73
sessions of monthly specialized training planned and implemented

In 2023
24
additional sessions of unplanned training implemented

In 2023
296
new factory-level safety education training sessions for new employees completed

In 2023
375
contractor factory-entry safety training sessions held

In 2023
9435
training sessions

In 2023
100%
training qualification rate

Emergency Management

In 2023
80
sessions of monthly comprehensive and specialized drills planned and implemented

In 2023
12
additional sessions of unplanned drills implemented

In 2023
79
issues identified

ERT Construction

The Security and Environment Protection Department formulated and implemented the "ERT Management Measures", and organized the establishment of ERT emergency teams, totaling 171 members. So far, 43 ERT training sessions have been organized with all team members passing the assessment.

Labor and Human Rights Protection in the Supply Chain

DAS Solar attaches great importance to human rights and labor management in the supply chain and has established a comprehensive sustainable procurement management system based on the ISO 26000 Social Responsibility Guidelines and ISO 20400 Sustainable Procurement. The company actively communicates and cooperates with stakeholders, identifying employment and labor relationships, working conditions and social protection, occupational health and safety, and personal development and training in the workplace as core topics of sustainable procurement.

DAS Solar identifies the highest priority categories, suppliers, contracts, and company practices affecting procurement based on sustainable procurement issues, clearly defining the priority items for labor and human rights protection in sustainable procurement. To ensure the effective implementation of priority items, the company formulated the "Social Responsibility Commitment" and "Supplier Code of Conduct", clearly requiring all suppliers to strictly adhere to these social responsibility guidelines and effectively implement labor rights protection measures.

Employment and Labor Relations

Adopt proactive labor plans to avoid using non-permanent employment or excessively relying on temporary work.
Do not benefit from unjust, exploitative, or infringing labor practices of partners, suppliers, or subcontractors.

Working Conditions and Social Protection

Comply with all obligations regarding the provision of social protection to workers in the countries of operation.
Respects workers' rights to standard or agreed working hours as stipulated by laws, regulations, or collective agreements.

Occupational Health and Safety

Implement special measures to protect against occupational health and safety risks, considering the different impacts on women (pregnant women, mothers, nursing mothers), men, and specific groups such as disabled, inexperienced, or special workers.

Human Development and Training in the Workplace

Provide skills development, training, apprenticeships, and career advancement opportunities to all workers at all stages of their careers on an equal and non-discriminatory basis.

4.2 Supply Chain

Management System

DAS Solar strictly complies with relevant domestic and international laws and regulations, including the Bidding and Tendering Law of the People's Republic of China, establishing a comprehensive supplier management process. This process covers entry assessment, risk identification, performance evaluation, annual audits, and rectification of non-compliance issues, achieving comprehensive management of suppliers. The company has developed 22 internal management system documents, including Procurement Business Management Regulations, Bidding and Tendering Management Process, Supplier Development and Management Process, and Procurement Code of Conduct, detailing and standardizing everything from the macro management framework to specific management details and operational procedures. In addition, DAS Solar categorizes supplier management based on operational characteristics and cooperation status, assessing suppliers on a monthly, semi-annual, and annual basis, with the assessment results used for corresponding reward or penalty measures.

As of the reporting period, DAS Solar has a total of

962 suppliers

Type-1 suppliers **275**

Type-2 suppliers **90**

Type-3 suppliers **330**

Type-4 suppliers **267**

In 2023, based on the existing supplier management framework, DAS Solar established a sustainable procurement management framework, clarifying the functions at each level to achieve a more efficient and professional division of labor and collaboration, striving to create a fair, transparent, and efficient sustainable supplier management system.

Decision-making Level	Formulate sustainable procurement strategies based on the company's overall strategy, including the sustainable development strategy. Hold quarterly sustainable procurement management meetings. Responsible for setting sustainable procurement goals and KPIs.
Management Level	Regularly identify and control risks within the supply chain. Responsible for formulating sustainable procurement sourcing strategies. Regularly communicate with strategic suppliers. Regularly organize ESG training for suppliers.
Executive Level	Comprised of procurement, quality, and technical departments. Responsible for the implementation of procurement operations. Conduct QCDS evaluations and due diligence on suppliers, supervise and control supply chain anomalies, and resolve supplier-related business complaints.

Risk Assessment

The company achieves a

100%

signing rate for the Supplier Code of Conduct

The proportion of new suppliers screened using social and environmental standards reaches

100%

DAS Solar rigorously selects environmental and social responsibility risks of suppliers based on comprehensive evaluations, implements strict social responsibility risk assessments, and introduces third-party risk assessment tools to continuously monitor suppliers' qualifications, legal compliance, and environmental compliance. The company has established a comprehensive risk monitoring mechanism, and regularly assesses and updates supply chain risks to ensure timely and effective risk management. To ensure business compliance, the company has also formulated the Compliance Management System, which identifies risks from the latest laws and regulations in overseas markets and takes preventive measures.

In 2023, DAS Solar conducted a comprehensive annual CSR due diligence, focusing on identifying suppliers' social responsibility risks in areas such as environmental management, labor rights, health and safety, business ethics, and anti-corruption. Through comprehensive evaluations, DAS Solar classifies suppliers for management, provides active guidance to high-risk suppliers to assist in rectification, and conducts regular on-site audits to ensure issues are effectively resolved.

In 2023, a total of 95 type-1 suppliers undergo annual CSR due diligence audits

95

The amount covered reaches

80%

The number of suppliers assessed as having significant actual or potential negative impacts and the number of suppliers terminated for such impacts are both

0

Mitigation Measures

To promote sustainable procurement management, DAS Solar has developed a Sustainable Procurement Policy based on standards and guidelines such as ISO26000, SA8000, and ISO20400, regulating supplier behavior across multiple dimensions including environmental protection, labor rights, and business ethics. The company established the Green Supply Chain Alliance, encouraging suppliers to set carbon emission reduction, environmental protection, and circular materials usage goals, and regularly audits suppliers' environmental and social responsibility performance. To ensure transparency and traceability of the supply chain, DAS Solar has formulated the Photovoltaic Module Traceability Management Process and Supply Chain Traceability Management Measures, clarifying traceability requirements and responsibilities at each stage, standardizing traceability data and materials, which has received an A-grade evaluation from third-party STS. Additionally, the company requires suppliers to complete the CMRT questionnaire to ensure that no minerals from conflict areas are used, and to have all suppliers sign the Supplier Code of Conduct, ensuring lawful and compliant material sources.

DAS Solar is also committed to achieving green development of the supply chain, standardizing testing and certification in line with market demands, and enhancing supplier training, particularly in carbon footprint detection and energy management systems. The company encourages suppliers to establish energy management systems and requires suppliers to supervise their secondary suppliers and sign the Supplier CSR Code of Conduct.

Entry Management	Qualification Pre-assessment	Evaluating suppliers' ESG performance, including system certification rates, carbon footprints, labor rights, sustainable procurement practices, and external sustainability-related disclosures.
		Priority will be given to suppliers who have obtained ISO system certifications
		Supplier Questionnaire
	Supplier Audit	Conduct strict supplier audits based on risk levels, covering labor rights, environmental protection, product traceability, and business ethics, to ensure that suppliers' performance and capabilities meet the company's high standards.
		Enforce a 'zero tolerance' policy on child labor and forced labor. If any violations are found, the supplier's entry qualification will be immediately revoked.
		Suppliers who fail the audit are required to make corrections. If the re-evaluation still does not meet standards, entry will not be granted.
	Agreement Signing	Supplier is required to sign the Supplier Code of Conduct and the Confidentiality and Intellectual Property Commitment Letter, ensuring their fulfillment of social responsibilities. Suppliers will only gain entry after signing.
Qualified Supplier Management	Due Diligence	Regular due diligence is conducted, combining online reviews and on-site audits to identify and propose measures for improving suppliers' ESG risks.
	Performance Evaluation	Monthly evaluations in QSDC are combined with ESG performance and improvement measures are undertaken.
	Empowerment Training	Regular training sessions are conducted for suppliers on building CSR systems.
	Incentives	Suppliers with good ESG performance are incentivized by increasing procurement shares and prioritizing new product development trials.
Exit Management	Supplier Removal	Implementing removal measures for suppliers who violate ESG management requirements

Capacity Building

In 2023, the problem rectification rate of suppliers reaches

100 %

DAS Solar is committed to regularly organizing ESG training for suppliers to enhance their capabilities in environmental management, labor rights, and social responsibility. Through close collaboration and information exchange with suppliers, the company provides technical support and training to help suppliers improve management capabilities and ESG performance, ensuring a 100% problem rectification rate. Additionally, the company encourages suppliers to establish energy management systems, and uses high-efficiency and low-carbon products, services, and technologies to promote the green transition and sustainable development of the supply chain.

Environmental standards include

- System certifications (ISO9001, ISO14001, ISO45001)
- Environmental protection
- Greenhouse gas emissions
- Energy transition progress
- Circular economy
- Emissions and waste management compliance
- Hazardous substances usage

Social standards include

- Forced labor
- Child labor
- Minimum wage
- Discrimination
- Occupational health and safety
- Disciplinary practices

Governance standards include

- Legal compliance
- Anti-bribery/ corruption
- Fair competition
- Intellectual property protection

To ensure that suppliers can continuously improve, the company has established a supplier due diligence team and a comprehensive supplier life cycle management system to advance responsible procurement practices. Based on risk assessment results, the company has developed a comprehensive audit plan covering key areas such as product quality, environment, labor and human rights, and business ethics. Through cross-departmental collaboration and special audits, the company identified and resolved ESG management issues with several suppliers and developed and implemented ESG performance improvement plans.

Green Supply Chain

The company actively promotes the construction of a green supply chain by setting quantitative environmental performance evaluation systems and considering environmental performance as an important factor in procurement strategies. The company prioritizes suppliers with excellent environmental performance, purchases products with a lower carbon footprint, and encourages suppliers to use circular economy processes, technologies, products, or services. Through these initiatives, the company is committed to building a strong, efficient, green, and responsible supply chain system that promotes sustainable development upstream and downstream.

Eco-design

Seek processes, technologies, products, or services that support biodiversity and healthy, resilient natural habitats.

Identify, specify, and purchase products that minimize human and environmental exposure to highly concerning substances.

Circular Economy

Seek processes, technologies, products, or services that support a circular economy.

Utilize processes, technologies, products, or services that reduce the consumption of natural resources or chemicals.

Invest in processes, technologies, products, or services that reduce the sources and use of carbon-based fuels.

Energy Conservation

Quantifiable supply chain environmental performance improvement goals, such as: energy consumption levels, the proportion of clean energy usage, resource utilization levels, and pollutant emissions based on LCC cost analysis methods, invest in high-energy-efficiency and high-fuel-efficiency products, services, and technologies.

Green Procurement

Prioritize local suppliers to reduce transportation energy consumption.

Prioritize suppliers with excellent environmental performance.

Prioritize products with a lower carbon footprint.

4.3 Customer Service

After-Sales Service

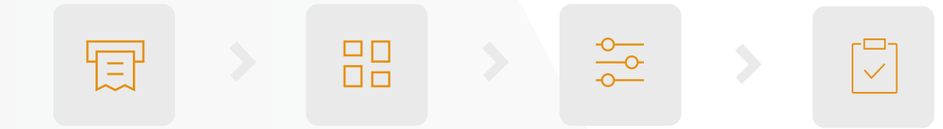
To clarify the work processes for the company's module after-sales service, the work requirements for customer service personnel, behavioral norms, and safety precautions, the company has established the module After-Sales Service Management Regulations to ensure the smooth execution of after-sales service work.

The regulations detail multiple key steps such as handling customer complaints, project delivery, technical data transfer, quality issue resolution, and project closure, covering detailed processes and responsibilities.

Specific recording and feedback mechanisms have been proposed for handling issues and anomalies, as well as categorizing and compensating for quality problems. These regulations aim to enhance customer satisfaction and ensure product and service quality, thereby supporting the company's long-term development and brand reputation.

Customer Satisfaction

The company has established a comprehensive and professional customer complaint handling process and an efficient complaint response mechanism. The Module After-Sales Service Management Regulations were formulated, ensuring a swift response to each customer complaint within 24 hours. Risk assessment and temporary handling measures for the complained module are provided within 2 working days, while corrective and preventive measures are issued within 5 working days and presented to the customer in the form of an 8D report to enhance customer satisfaction.



Customer Privacy Protection

DAS Solar highly values and strictly adheres to relevant laws and regulations, establishing a comprehensive customer data protection management system. The company has formulated the Customer Data Protection Policy and Information Security Management System to strictly manage and protect customer data at every stage, from collection and storage to usage and destruction. To ensure the security of customer data, the company employs advanced encryption technology and access control measures to prevent unauthorized access and data breaches.

The company regularly conducts information security training to enhance employees' data protection awareness and skills, ensuring strict adherence to data protection requirements during business operations. Additionally, the company has established a customer privacy protection supervision mechanism to receive customer feedback and complaints, promptly identify and address potential issues, and continuously improve information security management measures.

Through these efforts, DAS Solar is committed to providing customers with secure and reliable services, protecting customer privacy and data security, and enhancing customer trust and satisfaction.

4.4 Social Responsibility

Public Welfare and Donations

Total donation amount

CNY **2.7** million

DAS Solar operates with a foundation of legal and ethical adherence, emphasizing integrity and transparency, and has established a good business reputation and ethical image. The company actively participates in social welfare and charitable activities, with total donations amounting to 2.7 million yuan, sponsoring various public welfare events and fully demonstrating the company's social responsibility and commitment to sustainable development. The company's efforts and achievements have also been widely praised and highly recognized by various sectors of society.

The company highly values and actively organizes employees to participate in social welfare activities, giving back to society through donations, sponsorships, and volunteer activities. Senior leadership, along with all employees, actively fulfill social responsibilities by setting an example and have carried out various social welfare activities such as caring for employees in need, voluntary blood donation, and donating money and goods. Through their actions, they fully demonstrate the company's social responsibility and commitment, promoting fair, inclusive, and sustainable social development.

Example Table of Public Welfare Investments:

Time	Public Welfare Activities	Amount (CNY)
May 2023	Dalad Banner People's Education Foundation	200,000
August 2023	Luquan Yi and Miao Autonomous County Red Cross Society	100,000
December 2023	Post-disaster Reconstruction for the People's Service Center in Labo Township, Ninglang County	2,000,000
December 2023	Quzhou Children-Friendly Special Charity Fund	100,000
October 2023	China Rural Development Volunteer Service Promotion Association	100,000
January 2023	Liangzhou District, Wuwei, Gansu	9,600
July 2023	Changrui Village, Gansu	10,000
December 2023	Gansu Red Cross	1,995
2023	Donation to Liangshan Early Childhood Education	100,000
2023	Sponsorship of the 'Maker in China' Innovation and Entrepreneurship Competition	178,000

Cases

Donation of Solar PV Disinfection Backpacks to Quzhou Maternal and Child Health Hospital

Visiting Children from Poor and Vulnerable Families

Visiting Elderly Homes

Voluntary Blood Donation

Poverty Alleviation and People's Livelihood

Bijie is located in the western part of Guizhou Province and was once one of the impoverished areas in western China. In 1988, the State Council approved the establishment of the Bijie Experimental Zone, focusing on "development-oriented poverty alleviation and ecological construction", initiating the grand journey of poverty alleviation and striving for prosperity for all ethnic groups in the Wumeng Mountains. For over thirty years, the Bijie Experimental Zone has adhered to the policy of prioritizing both ecology and poverty alleviation, transforming from widespread poverty to overall prosperity, with significant improvements in the ecological environment.

In March 2023, DAS Solar collaborated with Guizhou Changtong Group to establish a new energy industrial park in Weining County. Since its inception, the industrial park has generated an output value of 800 million Yuan, providing employment for over 400 people in Weining County, with front-line employees earning between 5,000 to 7,000 Yuan per month.

The Bijie government proposed a development strategy based on ecological construction and driven by industrial development, tailored to local conditions. DAS Solar's presence has not only enhanced the city brand influence of Bijie but also successfully attracted numerous upstream and downstream new energy enterprises. By developing photovoltaic, wind power, and associated industries, We have helped Bijie build a full industrial chain new energy park integrating wind, solar, and energy storage. This has not only provided numerous jobs for the local impoverished population, promoting the realization of a well-off society but also driven the local economic transformation from agriculture to industry, achieving high-quality development in the new energy sector.

In 2023, DAS Solar launched its residential brand—DAS Youjia. By offering efficient and reliable photovoltaic products and solutions, DAS Youjia assists household users in self-generating and using electricity, with surplus power fed into the grid, thereby improving electricity usage conditions. Under the drive of the rural revitalization strategy, the DAS Youjia brand actively participates in the energy revolution in rural areas. By providing residential photovoltaic solutions to rural areas, DAS Youjia promotes green and sustainable development in rural regions. These photovoltaic systems not only provide farmers with a stable power supply but also drive the development of related industries, increase farmers' income sources, and contribute to rural revitalization.

ASSURANCE STATEMENT

SGS-CSTC'S REPORT ON SUSTAINABILITY ACTIVITIES IN THE ESG REPORT OF DAS SOLAR CO., LTD. FOR 2023

NATURE AND SCOPE OF THE ASSURANCE/VERIFICATION

SGS-CSTC (hereinafter referred to as SGS) was commissioned by DAS SOLAR CO., LTD. (hereinafter referred to as DAS Solar) to conduct an independent assurance of the Chinese version of DAS Solar's ESG Report for 2023 (hereinafter referred to as "the Report").

INTENDED USERS OF THIS ASSURANCE STATEMENT

This Assurance Statement is provided with the intention of informing all DAS Solar's Stakeholders.
SGS is not liable for any direct or indirect losses arising from the use of the information in this report.

RESPONSIBILITIES

The information in the Report and its presentation are the responsibility of the board of directors and the management of DAS Solar.
Our responsibility is to express an opinion on the text, data, graphs and statements within the scope of verification with the intention to inform all DAS Solar's stakeholders.

ASSURANCE STANDARDS, TYPE AND LEVEL OF ASSURANCE

The SGS ESG & Sustainability Report Assurance protocols used to conduct assurance are based upon internationally recognized assurance guidance and standards, which including:

- The principles of reporting process contained within the Global Reporting Initiative Sustainability Reporting Standards (GRI Standards) as:
  - GRI 1: Foundation 2021, for report quality;
  - GRI 2: General Disclosure 2021, for organization's reporting practices and other organizational detail;
  - GRI 3: Material Topics 2021, for organization's process of determining material topics, its list of material topics and how to manage each topic;
- and the guidance on levels of assurance contained within the AA1000 series of standards and ISAE3000.

The assurance of this report has been conducted according to the following assurance standards:

- SGS ESG & SRA Assurance Protocols (based on GRI Principles and guidance in AA1000).

The assurance has been conducted at a moderate level of scrutiny.

SCOPE OF ASSURANCE AND REPORTING CRITERIA

The scope of the assurance included evaluation of quality, accuracy and reliability of specified performance information included in the Report, and evaluation of adherence to the following reporting criteria:

Reporting Criteria	
1	GRI Standards 2021 (Reference)

ASSURANCE METHODOLOGY

The assurance comprised a combination of pre-assurance research and interviews with relevant employees of DAS Solar, which is located at No.43, South of Bailing Rd., Quzhou City, Zhejiang Province, P.R. China.

LIMITATIONS AND MITIGATION

The data drawn directly from independently audited financial accounts has not been checked back to source as part of this assurance process. GHG data of category 1 and category 2 in the report were verified by a third party commissioned by DAS Solar, and did not been included during this verification process.

The on-site verification was only focused on relevant data and information of the headquarters management level of DAS Solar, and comprehensive traceability of the raw data of the subsidiary companies was not conducted.

This verification only conducted interviews with the staffs of DAS Solar and access to relevant materials, the external stakeholders were not involved.

STATEMENT OF INDEPENDENCE AND COMPETENCE

SGS is the world leader in inspection, testing and verification, operating in multiple countries and providing services including management systems and service certification; quality, environmental, social and ethical auditing and training; environmental, social and sustainability report assurance. SGS affirm our independence from DAS Solar, being free from bias and conflicts of interest with the organization, its subsidiaries and stakeholders.

The assurance team was assembled based on their knowledge, experience and qualifications for this assignment.

VERIFICATION OPINION

On the basis of the methodology described and the verification work performed, the specified performance information in the Report, including the scope of assurance is accurate, reliable, and has been fairly stated.

THE CONCLUSIONS, FINDINGS AND RECOMMENDATIONS FOR GRI STANDARDS

In our opinion, the DAS Solar 's ESG Report for 2023 was prepared reference to GRI Standards 2021.

REPORT PRICIPLES

ACCURANCY

DAS Solar's information in the report was accurate, enable to release some multiple qualitative and quantitative information with sustainability indicators for stakeholders.

BALANCE

The Report basically followed up the balance principle and truthfully disclosed some of the positive and non-positive information related to the selected material topics.

CLARITY

The Report was presented different ways with words, charts, graphics and pictures, also described with actual cases to ensure the stakeholders understanding easily.

COMPARABILITY

DAS Solar has conducted statistics and analysis on key quantitative performance indicators, and some key performance indicators were compared over the past three years to better assist stakeholders in evaluating DAS Solar's management performance.

COMPLETENESS
The Report covered the selected material topics and boundaries, to reflect significant economic, environmental and social impacts and enable stakeholders to assess the organization's performance in the reporting period.

SUSTAINABLITY CONTEXT
DAS Solar has presented the efforts on some sustainable development related to economic, environmental and social aspects and combined the performance in the wide sustainability context as well.

TIMELINESS
Verification showed that the reported data and information was timely and effective.

VERIFIABLITY
The data and information could be traced and verified.

MANAGEMENT APPROACH
The Report has disclosed the management approach of the selected material topics.

GENERAL DISCLOSURES
Some of the general disclosures were presented in accordance with GRI 2: general disclosures 2021.

TOPIC-SPECIFIC DISCLOSURES
Some of the DAS Solar's topic-specific disclosures related to the material topics in economic, environmental, and social areas were in accordance with GRI Standards 2021.

FINDINGS AND RECOMMENDATIONS

Detailed report of the good practices, findings and recommendations for continuous improvement were presented in the SGS internal management report and submitted to DAS Solar.

Signed:

For and on behalf of SGS-CSTC

David Xin
Sr. Director – Business Assurance
16/F Century Yuhui Mansion, No. 73, Fucheng Road, Beijing, P.R. China

Aug. 8th, 2024
WWW.SGS.COM

Appendix

【GRI Index Table】

GRI Sustainability Reporting Standards (GRI Standards) Content Index	Instructions for Use	DAS Solar Co., Ltd. referenced GRI Standards to report the information cited in this GRI Content Index from January 1, 2023, to December 31, 2023.
	Used GRI 1	GRI 1: Foundation 2021

GRI Standard	Disclosure	Section
GRI 2: General Disclosures	2-1 Organizational Details	About Us
	2-2 Entities Included in the Organization's Sustainability Reporting	Introduction
	2-3 Reporting Period, Frequency, and Contact Information	Introduction
	2-4 Restatements of Information	/
	2-5 External Assurance	Introduction
	2-6 Activities, Value Chain, and Other Business Relationships	About Us
	2-7 Employees	Human Capital
	2-9 Governance Structure and Composition	Prudent Operations
	2-10 Nomination and Selection of the Highest Governance Body	Prudent Operations
	2-11 Chair of the Highest Governance Body	Prudent Operations
	2-14 Role of the Highest Governance Body in Sustainability Reporting	Management of Sustainable Development
	2-16 Communication of Critical Concerns	Sustainable Development Management
	2-19 Remuneration Policies	Human Capital
	2-22 Statement on Sustainable Development Strategy	Sustainable Development Strategy
	2-23 Policy Commitments	Sustainable Development Management
	2-26 Mechanisms for Seeking Advice and Raising Concerns	Stakeholder Communication
	2-27 Compliance with Laws and Regulations	Prudent Operations
	2-29 Methods of Stakeholder Engagement	Stakeholder Communication

GRI Standard	Disclosure	Section
GRI 3: Material Topics	3-1 Process for Determining Material Topics	ESG Material Topics
	3-2 List of Material Topics	ESG Material Topics
GRI 203:Indirect Economic Impacts	203-1 Infrastructure Investments and Supportive Services	Social Responsibility
GRI 205: Anti-Corruption	3-3 Management of Material Topics	Compliance and Anti-corruption
	205-1 Operations Assessed for Corruption Risks	Compliance and Anti-corruption
	205-2 Communication and Training on Anti-Corruption Policies and Procedures	Compliance and Anti-corruption
	205-3 Confirmed Incidents of Corruption and Actions Taken	Compliance and Anti-corruption
GRI 302: Energy	3-3 Management of Material Topics	Energy Management
	302-1 Energy Consumption Within the Organization	Energy Management
	302-4 Reduction of Energy Consumption	Energy Management
	302-5 Reductions in Energy Requirements of Products and Services	R&D and Innovation
GRI 303: Water and Effluents	303-1 Interaction between organizations and water as a common resource	Water Resources and Wastewater Management
	303-4 Drainage	Water Resources and Wastewater Management
	303-5 Water Consumption	Environmental Compliance
GRI 305: Emissions	3-3 Management of Material Topics	Carbon Neutrality
	305-1 Direct (Scope 1) GHG Emissions	Carbon Neutrality
	305-2 Energy Indirect (Scope 2) GHG Emissions	Carbon Neutrality
	305-5 Reduction of GHG Emissions	Carbon Neutrality
GRI 306: Waste	3-3 Management of Material Topics	Waste Management
	306-1 Waste Generation and Significant Waste-Related Impacts	Waste Management
	306-2 Management of Significant Waste-Related Impacts	Waste Management
GRI 308: Supplier Environmental Assessment	3-3 Management of Material Topics	Supply Chain
	308-1 New Suppliers that were Screened Using Environmental Criteria	Supply Chain
	308-2 Negative Environmental Impacts in the Supply Chain and Actions Taken	Supply Chain
GRI 401: Employment	3-3 Management of Material Topics	Human Capital
	401-2 Benefits Provided to Full-Time Employees that are Not Provided to Temporary or Part-Time Employees	Human Capital
GRI 401: Employment	401-3 Parental Leave	Human Capital
GRI 403: Occupational Health and Safety	3-3 Management of Material Topics	Health and Safety
	403-1 Occupational Health and Safety Management System	Health and Safety
	403-2 Hazard Identification, Risk Assessment, and Incident Investigation	Health and Safety
	403-3 Occupational Health Services	Health and Safety
	403-4 Worker Participation, Consultation, and Communication on Occupational Health and Safety	Health and Safety
	403-5 Worker Training on Occupational Health and Safety	Health and Safety
	403-6 Promotion of Worker Health	Health and Safety
	403-7 Prevention and Mitigation of Occupational Health and Safety Impacts Directly Linked by Business Relationships	Health and Safety
	403-8 Workers Covered by an Occupational Health and Safety Management System	Health and Safety
	403-9 Work-Related Injuries	Health and Safety
GRI 404: Training and Education	3-3 Management of Material Topics	Human Capital
	404-1 Average Hours of Training per Year per Employee	Human Capital
	404-2 Programs for Upgrading Employee Skills and Transition Assistance Programs	Human Capital
	404-3 Percentage of Employees Receiving Regular Performance and Career Development Reviews	Human Capital
GRI 405: Diversity and Equal Opportunity	3-3 Management of Material Topics	Human Capital
	405-1 Diversity of Governance Bodies and Employees	Human Capital
GRI 413: Local Communities	413-1 Operations with Local Community Engagement, Impact Assessments, and Development Programs	Social Responsibility
GRI 414: Supplier Social Assessment	3-3 Management of Material Topics	Supply Chain
	414-1 New Suppliers that were Screened Using Social Criteria	Supply Chain
GRI 416: Customer Health and Safety	416-1 Assessment of the Health and Safety Impacts of Product and Service Categories	Product Quality and Safety
	3-3 Management of Material Topics	ESG Material Topics
GRI 418: Customer Privacy	418-1 Substantiated Complaints Concerning Breaches of Customer Privacy and Losses of Customer Data	Customer Privacy Protection