2022

SUSTAINABILITY REPORT

Trina Solar Co., Ltd.
Stock Code:688599

Power Beyond Solar

Trina Solar Co., Ltd.

To Lead the Way in Smart Solar Energy Solutions for a Net-Zero Future

CONTENTS

About the Report

Introduction of the Report

Trina Solar Co., Ltd. (hereinafter referred to as "Trina Solar", "the Company" or "we"), committing to leading the way in smart solar energy solutions for a net-zero future, has always focused on the sustainable development of our business. Since 2011, the Company has continued to prepare and publish sustainability/social responsibility reports and is committed to providing transparent corporate sustainability-related information to stakeholders - shareholders, potential investors, government and regulatory authorities, customers, employees, suppliers and partners, community and non-governmental organizations and the media. The last report was published in April 2022.

This report is issued on a one-year cycle, consistent with the financial year; the Sustainability Report 2022 (hereinafter referred to as "the Report") covers the Reporting Period from January 1, 2022 to December 31, 2022 (hereinafter referred to as the "Reporting Period"). The Report details Trina Solar's practices and performance in the economic, environmental, social and corporate governance areas during the Reporting Period. For consistency, comparability and completeness, the Report refers back to previous years or covers the year 2023 as appropriate.

Scope of the Report

The organization scope of this Report covers the global factories and operating business units over which Trina Solar has direct operational control. When the scope of specific data does not correspond to the scope of the Report, we will indicate this in the text.

Reporting Standards and Guidelines

The Report complies with the requirements of the "Notice on Strengthening the Social Responsibility of Listed Companies and Issuing the Guidelines on Environmental Information Disclosure of Listed Companies on the Shanghai Stock Exchange", "Notice on the Disclosure of Annual Reports of Listed Companies on the Growth Enterprise Market 2022" and "Guidelines on the Preparation of Reports on the Fulfilment of Social Responsibility by Companies" of the Shanghai Stock Exchange. In addition, the Report takes into account the latest Global Reporting Initiative (hereinafter referred to as "GRI") Standard 2021, the Environmental, Social and Governance Reporting Guidelines of the Stock Exchange of Hong Kong, the Sustainability Accounting Standards (hereinafter referred to as "SASB") and Reporting requirements of the Task Force on Climate-Related Financial Disclosures (hereinafter referred to as "TCFD").

Data Source

The sources of data used in the Report include Trina Solar's internal statistics, public reports, and third-party audited data. The Board of Directors of Trina Solar guarantees that the contents of the Report do not contain any false statements, misleading statements or material omissions.

Report Release Form

The Report is published electronically and can be downloaded in English and Chinese from the Trina Solar website at https://www.trinasolar.com/cn/our-company/sustainability.

Your comments or suggestions are important to us. If you have any questions or suggestions regarding the Company's sustainability disclosures and performance, please send an email to ESG@trinasolar.com.

Chairman's Message

Together, we have experienced an unforgettable 2022, characterized by greater challenges in addressing climate change and advancing the UN 2030 Agenda for Sustainable Development due to geopolitical instability and the energy security crisis.

In the face of many uncertainties in the global environment, Trina Solar adheres to innovation, branding, globalization, platformization, intellectualization, and industry and finance synergy, and has continuously passed through industry development cycles to realize sustainable growth. During the Reporting Period, the Company's revenue has reached new highs, and the trust of the global community and customers in Trina Solar has also continued to grow. Our mission is "Solar Energy for All", and the Company's long-term layout and action plans for sustainable development are moving forward.

Committed to leading the way in smart solar energy solutions for a net-zero future, Trina Solar has always worked towards deep integration of our business with sustainable development. We have empowered all industries around the world to achieve the global zero-carbon transition by delivering low-carbon renewable energy products and providing green, sustainable services to our global customers. Through the use of our leading photovoltaic technology and highly reliable photovoltaic products, by 2022, we have provided the world with the cleanest, safest and smartest photovoltaic power. Furthermore, we performed a comprehensive inventory check of carbon emissions, took multiple measures to reduce our own greenhouse gas emissions and those of our upstream and downstream companies, and actively promoted the construction of a green supply chain with our partners to continue to contribute to the low-carbon development of the entire industry chain.

In 2022, we adhered to our operational policies of integrity and transparency, enhanced efficient governance initiatives, and created sustainable value for our shareholders and stakeholders; we provided a diverse, inclusive, equitable, and safe working environment for our global employees and promoted their career development; we took social responsibility as our responsibility, actively participating in social welfare projects, empowering the revitalization of green villages, and contributing to employment and economic development.

This year, we will be upgrading our Environmental, Social, and Governance (ESG) Report to a Sustainability Report, following a more international and high-standard sustainability reporting framework to provide a balanced, transparent, and accurate Report to stakeholders on the Company's concrete actions and performance in sustainability over the past year.

As we look to the future, we will continue to uphold the corporate core values of "Focus on the Customer, Persist in Open Innovation, Persevere through Dedication and Hard Work, Share the Responsibility, and Create and Share Value Together". We also commit to working with stakeholders and enterprises across society to promote the construction of international ESG standards and eco-systems with Chinese characteristics, as well as leading Chinese enterprises to achieve high-quality sustainable development. We will always maintain our initial goodwill to the market, customers, the environment, and the society, and take practical actions to fulfill our commitment to the United Nations Sustainable Development Goals and our national "carbon peaking and carbon neutrality" goals. We are also willing to work together with our global partners and stakeholders to inject power and "greenness" into the global response to climate change and the construction of a beautiful eco-system, to build a more sustainable and "Solar Energy For All" future, and to create a beautiful new net-zero world.

Gao Jifan
Chairman and CEO of Trina Solar

About Trina Solar

Company Profile

Founded in 1997, Trina Solar Co., Ltd. (stock symbol: Trina Solar; stock code: 688599) is mainly engaged in the research and development, production and sales of PV modules; power stations and system products; PV power generation, operation and maintenance services; development and sales of intelligent microgrids and multi-energy systems, as well as the operation of energy cloud platforms, etc., committing to leading the way in smart solar energy solutions for a net-zero future. On June 10, 2020, Trina Solar was listed on the Science and Technology Innovation Board (STAR Market) of the Shanghai Stock Exchange (SSE). It is the first PV company that has gone public on the STAR Market providing PV products and systems as well as smart energy.

Trina Solar started out in China, and as our market share continues to grow, we have accelerated our globalization to achieve globalization of markets, manufacturing, R&D and talent, and capital. Trina Solar has set up regional headquarters in Zurich, Fremont (USA Silicon Valley), Miami, Dubai, Singapore, and Tokyo, offices or branches in Australia, Korea, India, UAE, Turkey, Italy, Germany, Spain, UK, South Africa, Brazil, Chile, Colombia, Mexico, etc., and manufacturing bases in Thailand and Vietnam. In recent years, Trina Solar has recruited international high-level management and R&D talents from more than sixty countries and regions, and currently holds operations in more than 150 countries and regions around the world.

- Corporate & Regional Headquarters
- Regional Offices
- Manufacturing Base

Business Sectors

Photovoltaic products

Vertex 210 Modules: significantly reduce project costs
Smart Solar Trackers: efficiency booster in the era of grid parity

Photovoltaic system

Utility Projects: rich global experience in power station development and construction
Smart Distributed Solar Energy Solutions: original PV systems for households and original PV systems for industry and commerce
Storage Smart Solutions: Trina Storage - Energy storage products and solutions provider with "core"

Pioneering Innovation

Trina Solar continuously explores, improves, and innovates management mechanisms to enhance the quality and reliability levels of the Company's full range of products, services, and related processes, and improve operational efficiency by combining scientific research and innovation with smart manufacturing. In 2022, we established and implemented the Continuous Improvement and Innovation Management Guide and created a Continuous Improvement and Innovation Committee to clarify improvement project execution processes.

Making Records

As of the end of the Reporting Period, the Company had applied for 2,728 patents and software copyrights.

Since 2011, Trina Solar has set or broken 25 world records in terms of PV cell conversion efficiency and module output power. On August 24, 2022, Trina Solar announced that its self-developed Vertex high-efficiency N-type monocrystalline silicon modules, based on 66 210 mm × 210 mm high-efficiency N-type i-TOPCon cells, had been tested and certified by the authoritative third party TÜV North Germany, and that the module window efficiencies had all reached 24.24%, creating a new world record for window efficiency of large-area industrialized N-type monocrystalline silicon i-TOPCon cell module.

Smart Manufacturing

In recent years, Trina Solar has been oriented to improve customer value, deeply carrying out intelligent transformation in all aspects of R&D, manufacturing, sales, operation and maintenance, service, etc., vigorously promoting the construction of intelligent factories, digital workshops, unmanned production lines, initially building a PV industrial internet platform, and implementing "smart manufacturing". During the Reporting Period, Trina Solar's Suqian and Yancheng production bases both became smart manufacturing demonstration factories in Jiangsu Province.

Case

Re-upgrade of "Smart" Manufacturing——Trina Solar's Suqian and Yancheng production bases have both become smart manufacturing demonstration factories in Jiangsu Province

In August 2022, Trina Solar (Suqian) Optoelectronics Co., Ltd. ("Suqian production base") and Yancheng Trina Solar Technology Co., Ltd ("Yancheng production base") became "2022 Jiangsu Province Smart Manufacturing Demonstration Factories", recognition issued by the Department of Industry and Information Technology of Jiangsu Province.

Both Suqian production base and Yancheng production base are new-generation high-efficiency 210 module cell intelligent production factories. The implementation of factory automation, digitalization and intelligence can help the production process without human intervention and shorten the product development cycle, while comprehensively improving equipment efficiency, order delivery rate and other indicators, creating a new model of intelligent manufacturing in the field of photovoltaic cells and modules. Through the implementation of digital systems such as production execution system (MES), quality management system (QMS), production traceability data system, and equipment IOT system (RFID), and the use of intelligent hardware such as automatic guided vehicles (AGV), the two factories have achieved a comprehensive improvement of the enterprise's automation, digitalization, and intelligence level, which has served as a model for Trina Solar and the construction of smart factories in the PV manufacturing industry.

Our Mission and Vision

Corporate Mission

Solar Energy for All

Corporate Vision

To lead the way in smart solar energy solutions for a net-zero future

Core Values

- Focus on the Customer
- Persist in Open Innovation
- Persevere through Dedication and Hard Work
- Strive for Excellence
- Share the Responsibility and Create and Share Value Together

Sustainable Development Goals

Carbon Emissions Management

Compared with the base year of 2020, the GHG emissions intensity (tCO_2e/MW) of Category 1 and Category 2 of solar photovoltaic products will be down by 50% in 2025

- Compared with the base year of 2020, the GHG emissions intensity (tCO_2e/MW) of Category 1 and Category 2 per unit output of cell products will be down by 50% in 2025
- Compared with the base year of 2020, the GHG emissions intensity (tCO_2e/MW) of Category 1 and Category 2 per unit output of module products will be down by 50% in 2025

Energy Management

Compared with the base year of 2020, the integrated energy consumption (tce/MW) of solar photovoltaic products will drop by 40% in 2025

- Compared with the base year of 2020, the integrated energy consumption (tce/MW) per unit output of cell products will drop by 40% in 2025
- Compared with the base year of 2020, the integrated energy consumption (tce/MW) per unit output of module products will drop by 40% in 2025

Actively promote and use renewable energy, and aim to achieve 100% renewable energy use in global manufacturing and operation by 2030 (power unit: MWH)

Carry out energy-saving and consumption-reduction projects, and achieve the goal of saving 100 million kWh of power consumption in global manufacturing and operation from 2021 to 2030 (power unit: degree)

Water Resources Management

Compared with the base year of 2020, the water consumption intensity (t/MW) of solar photovoltaic products will decrease by 20% in 2025

- Compared with the base year of 2020, the water consumption intensity (t/MW) per unit output of cell products will decrease by 20% in 2025
- Compared with the base year of 2020, the water consumption intensity (t/MW) per unit output of module products will decrease by 20% in 2025

Waste Management

- Establish and improve the waste "3Rs (Reduce, Reuse, and Recycle)" policy to achieve the goal of "zero" landfill waste by 2030

Our Sustainable Development Achievements

Economic Performance

Operating income
85,051.79 million RMB

Net profit attributable to shareholders of the listed company
3,680.02 million RMB

Basic earnings per share
1.72 RMB

Weighted average return on net assets
16.16%

Ratio of R&D investment to operating revenue
5.43%

Environmental Performance

- Greenhouse gas emissions per unit of cell products **23.76** tons of CO_2 equivalent/MW
- Greenhouse gas emissions per unit of module products **9.20** tons of CO_2 equivalent/MW

- Integrated energy consumption per unit of cell products **5.55** tons of standard coal/MW
- Integrated energy consumption per unit of module products **1.96** tons of standard coal/MW

- Water consumption per unit of cell products **384.89** tons/MW
- Water consumption per unit of module products **39.83** tons/MW

No major environmental violations

Environmental protection investment in 2022
404.88 million RMB

Social Performance

Number of Employees
23,077

Total annual training hours provided to employees
176,103 hours

Occupational health and safety investment in 2022
49.76 million RMB

Total number of domestic suppliers
1,382

Total amount of funds invested in community contribution and public welfare
4.80 million RMB

Annual Features

01 Twenty-Five Years of Building Empowering, Pursuing the Light of Trina Solar's Heart

02 Focusing on User Value and Enpowering Global Zero-Carbon Transition

Twenty-Five Years of Building Enterprises, Pursuing the Light of Trina Solar's Heart

From 1997 to 2022, Trina Solar has travelled 25 years, spanning a quarter of a century, on the road to its dream of becoming a photovoltaic company. Since early days, Trina Solar has adhered to the mission of "Solar Energy for All", and has always been committed to leading the way in smart solar energy solutions for a net-zero future.

Looking back on the past 25 years, Trina Solar has made great strides and has never lost sight of its commitment.

In 2000, we developed and manufactured the first solar energy building system model house ("Sunshine Hut") in China, which was exhibited at the "Trina Solar East-West Development Plan Conference" held at the China Science and Technology Hall and became one of the contents of CCTV's promotion for the Green Olympics to IOC officials. Since then, Trina Solar has taken the lead in the industry to propose and fully implement a vertical integration strategy, gradually forming a PV industry chain of silicon rods - wafers - cells - modules, ensuring that the Company has its own raw materials and market while developing technology at a high speed. In 2005, Trina Solar deepened its internationalization process and expanded its sales network to all over the world, being listed shortly after, in 2006, on the New York Stock Exchange. In 2020, Trina Solar made its A-share debut on the Science and Technology Venture Board, becoming the first PV company to be listed on the Board covering PV products, PV systems and smart energy. From our humble beginnings, we have grown to become a top-tier global PV module manufacturer.

Trina Solar has adhered to the concept of sustainable development during this period. With innovation, branding, and globalization as its three main pillars, Trina Solar has accurately predicted the industry trend and actively searched for and laid out medium- and long-term growth points while reasonably balancing its existing advantages. We are convinced that innovation is the first driver of enterprise development and growth, and even in the most dismal period of the market, Trina Solar still continues to improve the ability of technological innovation. In 2007, we increased module capacity from 150 MW to 350 MW. In 2010, we became the first "Industry Shaper" in the solar industry at the World Economic Forum in Davos, ranking among the top tier of global PV companies. In 2014, the Company set and refreshed world records for crystalline silicon cell efficiency and module power seven times, including four world records for crystalline silicon cell efficiency and three world records for crystalline silicon module power, and was awarded the "National Torch Plan Key Hightech Enterprise" and the "Excellent Low Carbon Green Management Award" by the British Standards Institution (BSI). With technological innovation and brand enhancement, Trina has been the first in the world in total module shipments since 2014, with the cumulative module shipments exceeding 30 GW in 2016. In 2018, Trina Solar won the China Grand Awards for Industry, becoming the first PV company to win this award. In 2021, Trina Solar's "Key Technologies and Applications of High-efficiency and Low-cost Silicon Solar Cell Meter Interface Manufacturing" project won the National Technological Invention Award (NTIA) at the 2020 National Science and Technology Awards Conference. This was the first time that the field of PV technology in China won the National Technological Invention Award.

In recent years, Trina Solar has launched six new key strategies: innovation, branding, globalization, platform development, smart technologies, and synergy between the financial and industrial sectors. In 2021, we released 670W+ ultra-high-power modules, leading the industry into the 600W+ era, and led the establishment of the 600W+ Photovoltaic Open Innovation Ecological Alliance. In 2022, Trina Solar, together with CEEC and CATL, jointly initiated the establishment of the China Energy Storage Industry Innovation Alliance. Our original intention for development still strongly guides our way, as we continue to strive to feed the industry and the country, and change from being a follower in the PV industry to a promoter, leading it.

Up to 2022, we have set 25 new world records, leading a new generation of advanced cell technology and accelerating the industry to a new era of N-type; The "Intelligent Tracking Performance Test Method for PV Tracking Brackets" led by Trina Solar was the first tracker intelligence project to be included in the industry standards; we were included in the top 100 Chinese multinationals list issued by the China Enterprise Confederation in 2022, ranking first in the PV industry; we were also selected for the list "Top 100 Innovators Leading the Energy Transition" put together by Reuters, becoming the only Chinese company in the list.

In the first 25 company years, the photovoltaic products of Trina Solar have entered numerous households and gone around the world, responding to the original intention of "Solar Energy for All" from when the Company was founded. Standing at the starting line of the next 25 years, Trina Solar will always take innovation as its first development strategy and core driving force, build a comprehensive and leading science and technology innovation system, continue to promote the development of photovoltaic technology innovation industry research in continuous R&D breakthroughs, help accelerate the construction of a clean, low-carbon, safe, and efficient new energy system, while continuing to lead the industry's green development, reach ecological union, complementary advantages, and work together to create a green future.

Focusing on User Value and Empowering Global Zero-Carbon Transition

Trina Solar takes "building a user-centered ecosystem" as its development direction and always advocates for the concept of "altruism", believing that sustainable development must imply benefit for customers, and that partners must collaborate to enhance industry green advancements. We are honest and diligent, customer value-oriented, and work tirelessly to empower the global zero-carbon transition.

Helping Power "Low-Carbon" Future

Under the goal of "carbon peaking and carbon neutrality", the green energy transformation is not only an important part of building a modern energy system, but also an important channel to benefit the public. Trina Solar has been developing photovoltaic projects for many years and has industry-leading system integration R&D capabilities and rich integration experience. It provides customers with overall solutions at the lowest cost per kWh for the entire life cycle, from development, design, construction, and delivery to operation and maintenance, based on the advanced technologies of "multi-energy complementary systems" and "Source-Network-Load-Storage integrated operation". This is achieved throughout application scenarios such as "photovoltaic + sand control", "photovoltaic + energy storage", "photovoltaic + hydrogen energy", "photovoltaic + agriculture, animal husbandry and fishery", "photovoltaic + solar thermal", "photovoltaic + wasted mine treatment", "offshore photovoltaic power station", etc.

The Company is mainly engaged in the development, construction, operation, and sales of solar photovoltaic power plants through project development and EPC integration (Engineering Procurement Construction) services. We provide customers with the business model of the lowest levelized cost of electricity (LCOE) system solutions, while creating maximum value for them through high-quality system integration capabilities for power plant investors to significantly improve the return on investment in photovoltaic power plants and full life cycle of operation security.

Thanks to our early internationalization strategy, we have built a highly international business team with operations in more than 150 countries and regions around the world, helping the global response to climate action and contributing to the global energy transition.

Case

Fearless of high altitude! Trina Solar's multi-scene solutions help Southwest renewable energy base

Trina Solar, as a leader in large base multi-scene solutions, has rich experience in high-altitude project cases. In southwest China, the geographical location is higher in altitude and more complex in terrain, and transportation problems are more prominent. Trina Solar has accumulated a lot of project experience in such regions. Through field research, combined with the application characteristics of each scenario, we explored customized solutions from the product and system side to provide better solutions for multi-scene applications of PV system solutions.

Painting Ecological Photovoltaic "Green"

Green is the base colour of national and social development. Through the construction of PV projects, Trina Solar can transform areas such as sago wasteland and abandoned land into oases and large clean energy bases, using agriculture and fishery to save land resources to achieve complementarity, realizing multi-win economic, social and environmental benefits, and painting a beautiful ecological photovoltaic "green".

Light up the "Shaggy Wilderness"! Trina Solar, the leader in multi-scene solutions for large bases, offers the best solution

Case

In order to ensure product and system reliability, Trina Solar has reinforced the 600W+ module bezel and tracker, and adopted several patented technologies to reduce the failure rate. Take the tracker as an example, it adopted Trina's patented spherical bearing technology, which well solved the installation quality hidden problems that may be caused by the bending of the column, the undulation of the terrain, the settlement, and the deviation of the foundation construction, and reduced the chance of wind and sand jamming the rotating shaft, which is very suitable for desert areas.

210 Vertex | Abandoned mines return to lush greenery

Case

In Europe, Trina Solar has partnered with developer GP JOULE to support the conversion of "brownfield" sites for environmentally friendly use. Building photovoltaic power plants is an effective way to renovate and reuse sites. Using Trina Solar's Vertex modules makes a more positive contribution to energy transition and climate protection. Trina Solar's 210 Vertex modules combine advanced technologies such as non-destructive cutting, multiple main grids, and high-density packaging, and have the advantages of high power, high efficiency, high power generation, and high reliability, as well as excellent low irradiation performance, which can achieve excellent power generation gain and further reduce the cost of electricity consumption when combined with the characteristics of local cloudy weather.

Trina Tracking helps China's first 600W+ fishery-photovoltaic tracking project

Case

In March 2022, Trina Tracking completed the delivery of the tracking bracket system for the 30MW Gao'an fishery-photovoltaic project. The project is located in Xiangfu Town, Gao'an City, Yichun City, Jiangxi Province, developed and constructed by Sunshine New Energy, and is a fishery-photovoltaic complementary PV plant built on a local reservoir. The project used the industry's most advanced 210 large-size bifacial modules, and Trina Tracking provided the pioneer 2P tracker for the project.

On the eve of COP27, Trina Solar was the only PV company to receive the Climate Creators Award from WWF

Case

In the run-up to the 27th Conference of the Parties (COP27) of the United Nations Framework Convention on Climate Change (UNFCCC), and in order to actively promote the national carbon neutral vision and global temperature control goals, the 2022 Mission Zero International Climate Summit was held in Beijing from October 31 to November 1, 2022, organized by the World Wide Fund for Nature (Switzerland) Beijing Office (hereinafter referred to as "WWF") and Phoenix TV. The theme of the conference was "Green Development, Carbon Road China", and Trina Solar was invited to participate in the conference.

During the meeting, WWF announced the winners of the 2022 Climate Champions Awards. Five companies, including Trina Solar, received that year's recognition. An important indicator for the award came from the accounting of the technology's emission reduction potential, where a third-party organization calculated the CO2 reduction potential for the finalist technologies.

The First 670W Distributed Commercial and Industrial Rooftop Project in Thailand was built by Trina Solar

Case

In 2022, more and more overseas PV users turned their attention to ultra-high-power modules with higher value.

In May, Trina Solar's first commercial and industrial distributed project in Thailand of Vertex 670W ultra-high-power module was successfully connected to the grid. The project used 1,247 modules with an installed capacity of 810 KW, which is expected to generate 1.09 million kWh of electricity in the first year and help the company reduce 914 tons of CO2 emissions annually.

TrinaStorage Elementa signs up for UK energy storage project with new energy storage battery cabinet

Case

In December 2022, TrinaStorage announced that its previously released high-capacity liquid-cooled energy storage cabinet product, TrinaStorage Elementa, will be commercially available and put into Econergy Renewable Energy's first stand-alone energy storage plant project in the UK, the Swangate project. As a leading global provider of energy storage products and solutions, Trina Energy Storage will work with G2 Energy to build a 50MW/102MWh capacity battery storage project for Yorkshire in Northern England. The system is expected to be grid-connected in early 2024 and will provide a range of grid-level services to the UK National Grid. TrinaStorage Elementa, a new generation of grid-scale liquid-cooled energy storage system, has received widespread attention from overseas markets, and signed projects have exceeded 500MWh.

TrinaStorage focuses on the new power system, gives full play to the advantages of PV storage integration, and takes TrinaCore as its core competitiveness to actively lay out the global market and achieve the annual shipment of around 2GWh in 2022.

Trina Solar Shines in the Middle East, Boosting Sino-Arab Clean Energy Cooperation

Case

Chinese President Xi Jinping went to Saudi Arabia to attend the first China-Arab States Summit in Riyadh from December 7 to 10, 2022, and proposed that "as the first follow-up step to building a China-Arab community with a shared future and implementing the Outline of the Comprehensive Cooperation Plan Between China and Arab States, China will, in the next three to five years, work with the Arab side to advance cooperation in eight major sectors." Among them, "green innovation" and "energy security" are two important elements of the "Eight Major Cooperations".

Over the years, Trina Solar has actively contributed to the Sino-Arab clean energy cooperation. In April 2022, 44MW of Trina Solar's "210mm N-type 690W" Vertex Series modules were shipped to Jubail, Saudi Arabia, to provide green energy for the city's independent seawater desalination project. As of the end of the Reporting Period, Trina Solar's cumulative PV module shipments in the Middle East and North Africa exceeded 2.3GW by project location, equivalent to the production of 3,105 million kWh of clean electricity.

Sustainable Finance

With the continuous development and deepening of the concept of sustainability, sustainable finance has become an important development trend in domestic and international capital markets. Trina Solar is helping to promote the development of sustainable finance in China and in the region with its sustainable, green,and low-carbon products and services.

The World's First Syndicated Green Loan that Meets the Criteria of the China-Europe Common Ground Taxonomy has been Awarded to Trina Solar

Case

In September 2022, Trina Solar announced the signing of its first US$250 million syndicated green loan. This financing was also the first syndicated green loan in the world to meet the criteria of the China-Europe Common Ground Taxonomy. The Green Loan and the related Green Loan Framework were provided with a third-party certified opinion by Sustainalytics, which confirmed that the syndicated Loan met the criteria of the European Classification Catalogue as well as the Common Ground Taxonomy. The local currency green syndicated loan was 2.2 times oversubscribed by the market and attracted 15 banks from multiple markets around the world to participate. The loan funds will be used to support the production of D1.1 solar photovoltaic and C2.4 solar power equipment in the Common Ground Taxonomy.

Standing at the historical intersection of Trina's 25th anniversary, Trina Solar will continue to steadfastly carry out its mission of "Solar Energy for All", committed to leading the way in smart solar energy solutions for a net-zero future.

01

Integrity and Transparency, Goodwill First

At Trina Solar, we are determined to operate business with responsibility. We adhere to the principles of integrity and transparency, which include strong governance on sustainability-related issues, proactive communication with key stakeholders, conducting business ethically, and security protection for the Company and its stakeholders.

Governance Structure

Corporate Governance

We consistently comply with the Company Law of the People's Republic of China, the Securities Law of the People's Republic of China, the Rules Governing the Listing of Stocks on the Science and Technology Innovation Board of Shanghai Stock Exchange,and other legal provisions related to corporate governance, ensuring the sound operation of the Company and protecting the interests of shareholders and stakeholders to the greatest extent possible.

As the core of the governance structure, the Board of Directors is responsible for participating in and deciding on all major issues relating to the Company's operations, including policy, strategy, budget, internal control and risk management. On this basis, four Board Committees (Audit Committee, Compensation and Evaluation Committee, Nominating Committee and Strategy Committee) are appointed and delegated by the Board as the oversight and implementation bodies of the governance structure, and operate effectively in accordance with their terms of reference. The Company's Board of Directors currently consists of three independent directors and five non-independent directors, with 37.5% of the directors being independent; it is also required to hold at least one annual general meeting and at least 2 regular meetings of the Board of Directors each year.

Trina Solar attaches great importance to the diversity of the Board of Directors, and continues to build a diverse and professional Board of Directors in multiple dimensions such as gender, age, culture and educational background, professional development, tenure of service, industry experience, and understanding of Trina Solar, in order to improve corporate decision-making and enhance the effectiveness of the Board of Directors with a comprehensive and integrated perspective and concept.

During the Reporting Period

Trina Solar held **7** general meetings of shareholders

12 meetings of the Board of Directors

9 meetings of the Supervisory Committee

9 meetings of special committees including **4** meetings of the Audit Committee

3 meetings of the Remuneration and Evaluation Committee

1 meeting of the Strategy Committee

1 meeting of the Nominating Committee

In 2022, the Company conducted a number of online and offline securities regulatory trainings for all members of the Board of Directors, the Supervisory Board, and other members of the Management to convey regulatory compliance requirements in multiple forms, to promote the sustainable development of the Company.

Sustainable Governance

Board of Directors Statement

Trina Solar regards ESG and sustainable development concepts as pivotal safeguards for the Company's long-term stable development and incorporates ESG factors into decision-making processes and daily operations to continuously improve the Company's risk resilience and growth capabilities.

In 2022, Trina Solar's Board of Directors took into account the macro conditions of both domestic and international social environments, the Company's own development strategies, the demands and expectations of various stakeholders, and the national development requirements for "carbon peaking and carbon neutrality" to comprehensively improve ESG governance. During the Reporting Period, the Board of Directors took the lead in identifying and assessing substantive sustainability issues, determining ESG risks, strengthening supply chain ESG management, striving to achieve environmental goals, identifying climate risks and opportunities, and fully integrating ESG and sustainable development into its daily work and management.

In order to thoroughly disclose the progress and achievements of Trina Solar's ESG and sustainable development work in 2022, the Board of Directors reviewed and approved Trina Solar Sustainability Report 2022 on April 23, 2023.

Trina Solar's Sustainable Governance Structure and Key Responsibilities

The Board of Directors of Trina Solar is the highest responsible and decision-making body for ESG issues and guides the direction of ESG and sustainable development of the Company. The Board of Directors places a high priority on ESG and sustainable development, incorporates ESG functions into the Board's responsibilities, and regularly monitors and ensures the effective implementation of environmental, social and governance strategies, objectives and policies.

Trina Solar has established an ESG Working Group, comprised of senior executives with extensive industry and governance experience, to ensure effective oversight of the Company's sustainability issues and objectives.

Stakeholder Communication

Trina Solar believes that the Company's sustainable development cannot be achieved without the input and participation of stakeholders, and we pay close attention to the demands and expectations of these. The Company continues to increase and improve the communication channels with stakeholders, allowing for active and frank exchanges.

Communication Strategy

Through various communication channels, we regularly collect the views and suggestions of internal stakeholders such as employees and Management, as well as the expectations and responses of external stakeholders such as government and regulatory bodies, shareholders and investors, customers, suppliers and partners, media, community, and NGOs. The collected data is regularly summarize and feedback is provided to the Company's management. Targeted communications are also conducted.

Stakeholder Groups	Focus Areas	How we Engage
Customers	• Clean Energy Technology Innovation • Ecological Impacts • Water Resource Management	• New product launches, technology exchange meetings • Industry exhibitions, seminars • Customer satisfaction surveys
Shareholders/ Investors	• Employee Health and Safety • Clean Energy Technology Innovation • Human Rights	• Compliance information disclosure • Telephone, email,and online investor communications • Shareholder meetings • Investor meetings and site visits
Government & Regulators	• Photovoltaic Industry Development • Compliance	• Compliance with all obligations in accordance with the law • Regular reporting on the Company's operations • Empowerment of society and corporate energy transformation • Promotion of upstream and downstream synergy in the industry • Establishment of internal control mechanism for compliance operation • Tax payment in accordance with the law
Employees	• Clean Energy Technology Innovation • Industry Cooperation and Development • Compliance	• Employee communication meetings • Employee satisfaction surveys • Public collection of employee opinions and feedbacks • Employee training activities • Employee benefits distribution
Suppliers & Partners	• Clean Energy Technology Innovation • Energy Management • Water Resource Management • Product Safety and Quality	• Regular communications • Standardized management and execution of contracts and agreements • Sustainable development of supply chain to fulfill corporate social responsibility
Community and NGO	• Ecological Impact • Product Safety and Quality • Human Rights • Employee Health and Safety • Compliance	• Participation in social welfare • Promotion of low-carbon life science
Media	• Ecological Impact • Product Quality and Safety	• Compliant disclosure of environmental and social performance data

Material Issues Prioritization

In order to clarify the key areas of sustainable development practices and information disclosure, we carried out the determination of sustainable material issues. In line with our business development direction, we have identified 21 sustainable issues that represent a material impact on Trina Solar. Feedback from stakeholders and Management on the importance of the 21 sustainable issues was collected by means of research questionnaires, with a total of 175 questionnaires returned. Based on the results, and only after the management's discussion and analysis, the Company drew up a preliminary matrix of sustainable material issues, which was reviewed by the Board of Directors to finalize Trina Solar's 2022 sustainable materiality matrix.

Prioritization of Material Issues

Relevant Issue Identification	Identify relevant issues by combining external policy environment and Trina Solar's own business characteristics.
Stakeholder Engagement	Distribute questionnaires to major stakeholders to collect feedback and concerns.
Ranking of issues	Analyze the importance of the issues based on the survey results and the Management's opinions, and draw a preliminary sustainable materiality matrix.
Board review and approval	Submit the materiality matrix to the Board of Directors for review and final confirmation after approval.

Trina Solar Sustainable Materiality Matrix 2022

Trina Solar effectively identifies sustainable issues in the context of the Company's own business characteristics and external environmental policy changes, and organically integrates the demands and expectations of stakeholders into its strategic planning and business layout.

Based on the Sustainable Issues Matrix, the most important issues for both Trina Solar and external stakeholders are: clean energy technology innovation, employee health and safety, compliance, supply chain management, product safety and quality, energy management, addressing climate change, ecological impact, anti-corruption and business ethics, waste management, and sustainable development strategy.

Supporting the United Nations Sustainable Development Goals

In support of the United Nations Sustainable Development Goals, Trina Solar has integrated the SDGs associated with its own business into the sustainable operation and management of the Company. By linking the United Nations Sustainable Development Goals with our sustainable material issues, we build on the Company's capabilities and strengths to contribute to the energy transition and wellbeing of the planet through practical actions.

Supporting to the UN SDGs	Highly Important Material Issue	Chapter
SDG8 Decent Work and Economic Growth SDG16 Peace, Justice and Strong Institutions	Compliance, Anti-corruption and Business Ethics, Sustainable Development Strategies	Integrity and Transparency, Goodwill First
SDG7 Affordable and Clean Energy SDG9 Industry, Innovation and Infrastructure SDG11 Sustainable Cities and Communities SDG13 Climate Action SDG15 Life on Land SDG17 Partnerships for the Goals	Clean energy technology innovation, Energy management, Climate change, Eco-environmental impact, Waste management	Net-Zero Mission, Marching with Solar
SDG12 Responsible Consumption and Production SDG17 Partnerships for the Goals	Supply chain management, Product safety and quality	Excellent Quality, Responsibility Foremost
SDG4 Quality Education SDG5 Gender Equality SDG10 Reduced Inequalities	Employee health and safety	People Oriented, Trina Warmth

Compliance

Trina Solar upholds the business ethics of honesty, compliance,and fair competition, and is committed to establishing a professional and industry-leading business ethics compliance system, building a sustainable ethical business culture of integrity, and ensuring the highest ethical standards in our interactions with all stakeholders.

Business Ethics and Anti-Corruption

Trina Solar adheres to a "zero tolerance" attitude toward all violations of business ethics, makes every effort to establish an internal management system and a monitoring and reporting mechanism, continuously improves its compliance management system, regularly conducts compliance education and training for all employees, vigorously promotes a culture of integrity, and severely prosecutes corruption in all business activities.

Trina Solar strictly abides by the laws and regulations related to business ethics in its operating locations, and also formulates and strictly implements compliance management systems such as the Code of Business Conduct and Ethics, the Anti-Monopoly Compliance Policy, the Anti-Corruption Management System Policy, and the Company Reporting Rewards Management Measures. We emphasize the principle of "zero tolerance" for business ethics and anti-corruption, and carry out business ethics management from multiple dimensions. At the same time, we have established clear regulations for all employees and contract workers of the Company establishing how to interact with contractors, suppliers, customers, and third-party partners involving corruption, conflicts of interest, gifts, and gratuities, and the use and protection of the Company's assets.

Trina Solar is committed to establishing a long-term and standardized audit supervision mechanism. An Audit Committee was established under the Board of Directors and an Internal Audit Department was also set up. In order to ensure the robustness and efficiency of the Company's internal control and internal risk management system, the Company has established an internal oversight system in which audit and supervision, internal control, compliance, and legal affairs collaborate with each other, and the system is responsible for the Company's disciplinary inspection, supervision, audit, and internal control evaluation. Based on the China Internal Auditing Standards, We follow the provisions of the Basic Standard for Enterprise Internal Control and its accompanying guidelines and other internal control regulatory requirements; annually, the Company assesses whether internal control compliance in the Company's key management activities, such as corporate organization management, strategic management, social responsibility management, asset management, capital activities, procurement business management, sales business management, financial reporting management, human resources management, and information system management, is operating effectively, and an audit report is issued by a third-party auditor, in order to promote the establishment and improvement of the internal control system, improve management and avoid business risks. In 2022, the Company engaged an external organization to conduct an internal control audit, and no significant deficiencies in internal control were identified.

Supplier Anti-Corruption Management Case

Through the Trina Solar Supplier Code of Conduct, the Social Responsibility Management Code and the Supplier Management System, Trina Solar conducts anti-corruption management for suppliers in three aspects: management requirements, assessment and supervision, and training and incentives.

In 2022, based on our supplier compliance training program, we conducted compliance training for suppliers on anti-corruption and anti-bribery. We introduced Trina Solar's compliance management philosophy and compliance requirements to suppliers, emphasized the main items to pay attention to in the procurement process, introduced in detail the concept of conflict of interest and related legal backchannels, and explained the ways to report violations.

In terms of external audits, Trina Solar engages third-party representatives to provide services for or on behalf of the Company in the course of its business. In 2022, the designated third party conducted an independent external audit of the Company in accordance with the provisions of applicable laws and regulations and regulatory requirements, and issued relevant reports in accordance with the regulatory timeline.

Trina Solar has established and strictly implemented a compliance training system, with compliance training programs and courses developed by relevant departments.

All employees must receive regular compliance training from the time they join the Company, and the effectiveness of the training will be tested by examinations. Board members, full- and part-time employees, and employees of outsourced contractors are all required to attend anti-corruption and business ethics training on a regular basis. We also develop additional training programs for key business units to increase the frequency of training.

Metric	Unit	2022
Percentage of employees covered by Code of Business Conduct and anti-corruption training	%	100%

In addition, The Company has a series of management mechanisms to reasonably ensure the company's compliance and legal operations, including: the Company strictly complies with the regulatory requirements of various domestic and foreign financial institutions in key business processes that involve the receipt and payment of funds, such as sales business, procurement business, fund management and investment management, making efforts to guarantee the operational effectiveness of the anti-money laundering internal control mechanism.

Reporting and Investigation

In order to protect the legitimate interests of the Company, support and protect the reporting behaviour of whistle-blowers and ensure that violations are independently, objectively, and impartially investigated and dealt with, an open, transparent, and unobstructed reporting and investigation procedure, a management communication mechanism and a reward and punishment mechanism have been established in the Company Reporting Rewards Management Measures to encourage employees, customers, suppliers and other stakeholders to report possible misconduct of which they are aware.

Main Reporting Channels	
	Report within the Company to the organizations and business departments directly under the superiors
	Online reporting platform on the official website: http://wb.trinasolar.com:8090/RCPFM/Trinasolar/report
	Compliance reporting email: IA@trinasolar.com
	Compliance hotline: 519-85176933
	Self-disclosure channel, requiring employees to complete the "Annual Conflict of Interest Self-Disclosure" and actively encouraging employees to proactively declare any potential or known "conflict of interest"

In order to prevent whistle-blowers from being exposed to retaliation, the Company Reporting Rewards Management Measures detail responsibilities that safeguard them. When handling a whistle-blowing process, we require the relevant investigators to strictly keep the identity of the reporter confidential, prohibiting the disclosure of the whistle-blower's identity information to the public. If retaliation is found and confirmed, severe punishment will be imposed on the relevant personnel.

In 2022, Trina Solar did not have any lawsuits or cases involving corruption or violation of business ethics.

Intellectual Property Protection

At Trina Solar, we uphold the founding principles of honesty and professionalism, improve our world-class protection system, maintain zero tolerance for infringement, and crack down on any criminal acts of intellectual property infringement.

In order to safeguard the achievements of corporate technological innovation and promote the advancement of production technology, the Company has formulated and implemented a series of systems related to intellectual property protection, such as the Patent Incentive Policy and the Patent Excavation and Application Process, and insists on protecting intellectual property with integrity, world-class safety standards, and a zero-tolerance policy.

We have set out corresponding management systems for the introduction, maintenance, use, and disposal of intellectual property rights and other aspects of the application of intellectual property values to ensure that the Company can legally and compliantly maximize the application of internal and external intellectual property values in accordance with the needs of operation and production. In the aspect of intellectual property protection, we have set up a management process system for intellectual property risk warning, intellectual property infringement clue discovery and intellectual property infringement litigation handling to ensure that the Company has a complete process system to support the intellectual property protection aspects such as infringement warning, infringement clue discovery, and infringement litigation handling. We have also incorporated the requirements for intellectual property protection into the Trina Solar Code of Business Conduct and Ethics for Employees. As of the end of 2022, Trina Solar's patent and trademark applications and licenses are shown below.

Field	Up to the End of 2022
Patent and software copyright	2,730 patent and software copyright applications
	1,161 patents and software copyrights granted
Trademark	1,094 trademark applications
	726trademark licenses

In order to stimulate innovation and promote the healthy development of Trina Solar's intellectual property rights, in July 2022, we held the "IP Enlightenment Series Empowerment" to provide employees with training on patent mining, search and analysis practices, infringement clues, trade secrets and competition, and other trainings from various aspects and perspectives. Such initiative aims to reduce communication barriers between R&D staff and IP staff, while also protecting the Company's innovation and IP protection and development.

Information Security

Trina Solar attaches great importance to information security and business information protection and has obtained ISO 27001: Information Security Management System Certification from the International Organization for Standardization, and a three-star enterprise rating of industrial information security at the provincial level from the Ministry of Industry and Information Technology. Furthermore, we comply with the requirements of domestic and international laws and regulations, including The Cybersecurity Law and the Data Security Law, and have established a comprehensive information security management framework.

In terms of management system, Trina Solar has developed a series of standardized documents such as the Information Security Management Regulation and the Information Secrecy Management Regulation in accordance with the Company's information security management system, covering all business-related processes. We have also established a professional information security team to comprehensively carry out information security capacity building in three major areas: security system, security technology and security operation. In terms of employee training, Trina Solar has made information security awareness enhancement a key aspect, conducting mandatory training for new employees and special training on information security awareness to systematically convey the company's information security norms, processes and requirements to all employees. Regarding security audits, Trina Solar regularly invites professional third-party organizations to conduct audit certifications and security assessments to ensure that the system is continuously effective.

02

Net-Zero Mission, Marching with Solar

Over the years, Trina Solar has been committed to the corporate mission of "Solar Energy for All" and has been deeply engaged in "net zero practices", with a specific pledge to creating "net zero samples". We are committed to low-carbon product design, optimization of energy management system, and improvement of energy utilization rate, and we are taking multiple measures to promote energy conservation and emission reduction in the industry chain. Trina Solar takes the responsibility of promoting the development of renewable energy, helping to accelerate the construction of a new energy system that is clean, low-carbon, safe, and efficient, contributing to a carbon-neutral future for the globe.

Product Lifecycle Green Management

Product Lifecycle Management

Since its establishment 25 years ago, Trina Solar has been both a producer of green energy and a practitioner of green development. We not only produce clean electricity through photovoltaic modules, but also contribute to the transition to green and low-carbon manufacturing.

Trina Solar has always attached great importance to carbon emission control in all aspects of the module's life cycle. In the low-carbon design process, we systematically consider the impact on resources and the environment in the selection, production, distribution, use, recycling, and disposal of raw materials, and strive to use as many harmless raw materials as possible to achieve a green and low-carbon development. In 2022, Trina Solar received a national certification as an "Industrial Product Green Design Demonstration Enterprise". In addition, in 2021, we received the world's first mutual recognition marks from UL Solutions and Environmental Product Declaration (EPD) in the PV industry. During the Reporting Period, Trina Solar's full series of 210 Vertex modules received the Life Cycle Assessment (LCA) certification for PV modules from TÜV Rheinland, making us the first PV company to complete the generic LCA certification for 210 PV modules.

Package Material Management

Trina Solar supports and practices material recycling, and actively works with upstream and downstream suppliers to track and recycle packaging materials of products.

Trina Solar's packaging material recycling categories include cartons, cardboard, wood boards, plastic tubes, welded tape turnaround packages, cell turnaround packages, glass and iron pallets, etc. We have established and implemented a production-warehouse-purchase integrated package recycling process. In the production process, we carefully sort and pack the recycled packages; in the procurement process, we contact the recycling suppliers according to the production and transportation situation to improve the efficiency of package recycling; in the warehouse process, we follow the internal "Packaging Material Recycling Operation Guideline" and register the information and quantity of products to be recycled and the actual package recycling ledger daily.

In 2022, our package recycling rate was approximately 80%.

Case

Trina Solar's Full Series of 210 Vertex Modules Received LCA Certification for Full Lifecycle Low-carbon Management

The Life Cycle Assessment is based on the life cycle assessment methods and requirements of ISO 14040/ISO 14044, and is a scientific and rigorous test of the evaluation targets. Based on the LCA, Trina Solar has conducted a comprehensive analysis of more than ten indicators that affect the global ecological environment, including energy consumption, raw material consumption, acid rain, eutrophication, environmental toxins, waste, and other thousands of substances collected from the Vertex modules.

During the Reporting Period, Trina Solar's products submitted for testing and approval covered the full series of monocrystalline P-type 210 size PV modules from the Vertex S 410W to the Vertex 670W; the manufacturing factories include all major production bases around the world. Trina Solar's Vertex series modules have the lowest carbon emissions per unit (per watt) in the industry during the manufacturing process. The average carbon emission of domestic PV modules is over 550g per watt, while the carbon emission of Trina Solar 210 Vertex modules is within 400g per watt without the use of special silicon materials, which is more than 30% lower than the domestic average. Taking the 30-year product life cycle as an example, Trina Solar Vertex Series modules have an emission factor of less than 0.01 kWh.

Addressing Climate Change and Decarbonization Targets

Our Climate Action

Trina Solar has made addressing climate change a key strategy for the Company's sustainable development, with the Board of Directors as the central responsible body plus each department taking specific responsibilities for climate issues.

Our climate strategy includes the integration of climate risks and opportunities into the Company's risk management system and processes to effectively identify and address climate risks. We actively improve our climate risk response and emergency management system, and continuously monitor the potential impact of climate change on our own business and upstream and downstream industry chain, while working with our suppliers and partners to enhance the climate resilience of our supply chain.

In terms of risk management, Trina Solar identifies potential climate risks and opportunities in its operation and production activities with reference to TCFD's risk analysis framework, and will continue to invest in integrating them into the overall operational risk management. Through policy research, industry benchmarking, and expert advice, the Company has identified the following climate change-related risks and opportunities associated with Trina Solar's business development and operations, having assessed the impact of each risk and opportunity on the Company's financial performance.

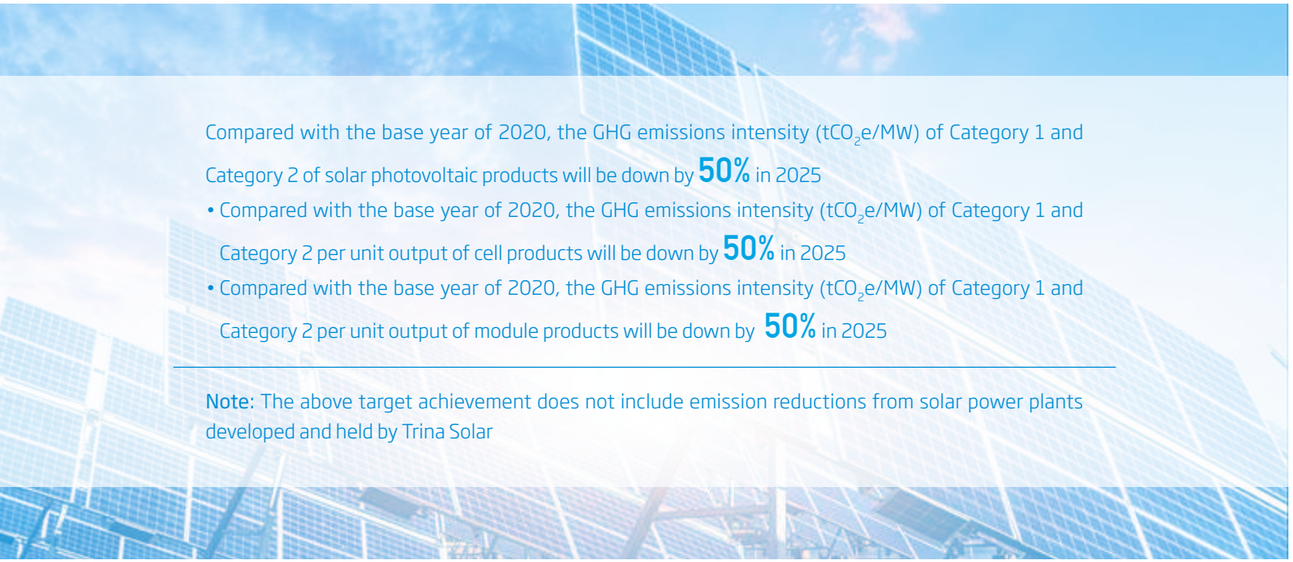
Trina Solar Climate Risk and Opportunity Matrix

Risk Category	Risk Factor	Potential Financial Impact	Countermeasures
Entity Risks	Climatic disasters (e.g., typhoons, floods resulting in safety accidents or forced suspension of production)	Increase in operating costs; decrease in value of fixed assets	Establish emergency plans and conduct annual emergency drills
	Climate change (e.g., abnormal power supply due to continuous high temperature, increase in heat expenses, unstable supply capacity and transportation; relocation or structural change of production sites in coastal areas due to rising sea level)	Increase in operating costs	Optimize product transportation methods and increase the ratio of local procurement Raise awareness of climate change and improve energy efficiency in factory site selection and daily operation management
Transformation Risks	Policy and legal risks (e.g., rising carbon market prices and implementation of carbon water resulting in higher operating and procurement costs; tightening of green finance requirements resulting in higher financing costs for enterprises, etc.)	Increase in operating costs and increase in financing costs	Track relevant laws and regulations annually, and compile annual greenhouse gas emission data to effectively respond to policy changes.
	Technology risk (e.g., upgrading energy-saving and consumption-reducing equipment, investing in low-carbon products and services, etc.)	Increase in operating costs	Adopt a departmental responsibility system to improve the efficiency of equipment use and product production.
	Market preference risk (e.g., increasing concern from capital markets, customers, and other stakeholders on corporate climate action, which may affect the Group's reputation and results if it does not perform well on the environment and climate)	Negative impact on corporate reputation and brand influence	Communicate with stakeholders through sustainability reports, stakeholder research, and public disclosure channels to address climate change as an important issue
Transformation opportunities	Technology opportunities (early adoption of clean technologies and use of clean energy to effectively address the risk of future energy price increases)	Decrease in operating costs	Increase the proportion of green electricity usage through self-generated solar energy and purchase of green electricity
	Market preference opportunities (to meet the demand for clean energy-related products and services from capital markets, customers and stakeholders through R&D and innovation, to enhance the Company's competitive position in the market and increase revenue)	Increase in operating income; negative impact on corporate reputation and brand influence	Actively promote innovation incentive mechanisms and increase R&D investment to provide cleaner, low-carbon and efficient products and services to customers

Carbon Emission Management

Trina Solar has formulated and regularly updated the Greenhouse Gas Data and Quality Management Procedures and actively promoted the process of carbon inventory and carbon foot printing to provide transparent and scientific verification data for the low-carbon development of the Company and for when undertaking environmental and climate-responsive responsibilities. All of the Company's PV manufacturing factories in China and overseas have conducted GHG inventories in accordance with ISO 14064 and obtained third-party data certification. Meanwhile, on the basis of accurate accounting of GHG emissions at our own organization level, we have set GHG emissions targets in conjunction with the Company's practical operations to help achieve the targets of the Paris Agreement.

Trina Solar's Carbon Emission Management Targets



- Compared with the base year of 2020, the GHG emissions intensity (tCO_2e/MW) of Category 1 and Category 2 of solar photovoltaic products will be down by **50%** in 2025
- Compared with the base year of 2020, the GHG emissions intensity (tCO_2e/MW) of Category 1 and Category 2 per unit output of cell products will be down by **50%** in 2025
- Compared with the base year of 2020, the GHG emissions intensity (tCO_2e/MW) of Category 1 and Category 2 per unit output of module products will be down by **50%** in 2025

Note: The above target achievement does not include emission reductions from solar power plants developed and held by Trina Solar

In 2022, Trina Solar's GHG emissions intensity per unit of output of cell products was reduced to 23.76 tCO_2e/MW, and that of module products was reduced to 9.20 tCO_2e/MW, representing a 50.81% and 61.88% reduction from the 2020 baseline, respectively, both of which reached or even exceeded the Company's carbon emission management targets ahead of schedule.

Trina Solar's Greenhouse Gas Emission Performance From 2020 to 2022

Metrics	2022[1]	2021	2020
Operating Scope Emissions (million tons of CO_2e)	118.79	87.96	58.37
Incl. Scope I Emissions (million tons of CO_2e)	1.93	2.94	1.37
Scope II Emissions (tCO_2e)	116.86	85.02	57.00
Cell: GHG emissions intensity per unit of output (tCO_2e/MW)	23.76	30.19	48.31
Module: GHG emissions intensity per unit of production (tCO_2e/MW)	9.20	12.22	24.14
Value chain emissions (tCO_2e)	17,135,774.68	-	-

1.The British Standards Institute (bsi) conducted a third-party verification of Trina Solar's Scope 1, Scope 2,and value chain GHG emissions data for 2022 in accordance with ISO 14064-1:2018. The scope of the verification includes Trina Solar Corporation (including headquarters function) and its subsidiaries Trina Solar (Changzhou) Technology Company Limited, Yancheng Trina Solar Photovoltaic Technology Company Limited, Trina Solar (Suqian) Technology Company Limited, Trina Solar (Suqian) Optoelectronics Co., Ltd., Trina Solar (Yiwu) Technology Company Limited, Trina Solar Technology (Thailand) Co. Ltd.,and Trina Solar Development Co. During the Reporting Period, Trina Solar closed the operating plants of Trina Solar (Vietnam) Science & Technology Company Limited and Wafar Branch of Trina Solar Co., Ltd.

Low-carbon Office Practice

Trina Solar not only focuses on environmental protection in the manufacturing process, but also actively enhances the greening rate of office areas to promote the environmental protection concept of green office and low-carbon life.

In 2022, we strived to reduce the use of paper and toner cartridges through digital transformation, such as an online management platform and OA systems. The intention was to reduce resource consumption and waste generation in order to achieve a green and environmentally friendly office. In our office areas, we promoted the "Scientific Waste Classification" initiative to reduce environmental impact and resource waste.

In addition, we actively promoted the video conferencing system and advocated remote video conferencing and remote training for employees to reduce the environmental impact of employee travel. Besides, we encouraged employees to purchase and use electric cars to create a green travel atmosphere.

Promoting Sustainable Manufacturing

Our Environmental Commitment and Management Approach

Strictly complying with national and local environmental laws and regulations, the Company is committed to energy conservation and mitigating the environmental impact of its operations through effective emissions and waste management.

In 2009, the Company established the EHS Committee and promulgated and implemented the EHS Committee Management System. We regularly update the organizational structure and the management system of the EHS Committee to meet or go beyond international and domestic regulatory requirements, proactively undertake environmental responsibilities, and lead the green development of the industry. In 2022, we further detailed our employee EHS training requirements, including that employees should timely understand new EHS-related laws, regulations, and industry standards promptly. We also further detailed the organizational structure of the EHS Committee and established a management and organizational system in which our EHS Department assisted manufacturing workshops, facilities, warehouses, Administrative Department, Human Resources Department, Trade Union, and other departments.

Establishing Green Factories

All of our factories in China and overseas established and performed an internal environmental management system in accordance with ISO 14001 and obtained ISO 14001 Environmental Management System Certification. The Company developed and implemented various environmental management manuals, including the Environmental, Occupational Health and Safety, and Energy Management Manual, the Photovoltaic Project Manual, etc. Also, we established and carried out various environmental management systems, including the EHS Monitoring Management Procedure, the Construction Project EHS Management Procedure, the EHS Management Review Procedure, etc.

Committed to developing eco-friendly green factories, we continuously encourage our factories to obtain the certifications of “Green Factory” and “Green Building”, developing sustainable green factories and industrial buildings in strict accordance with the Green Factory Evaluation Requirement.

As an evolution of the "Green Factory", the "Net Zero Factory" will be an important milestone in the Company's low-carbon manufacturing transition. In order to satisfy the requirements of "Net Zero Factory", the factory should establish the necessary carbon emissions management mechanisms to ensure that it can continuously maintain the net zero status. At a technical level, energy conservation and carbon reduction should be carried out in a comprehensive and scientific manner by prioritizing energy efficiency improvement, clean energy alternatives, carbon capture and storage, and more extensive emissions reduction offsetting mechanisms. As of the end of the Reporting Period, the Yiwu production base, where Trina Solar Yiwu Technology Co., Ltd. was located, was already actively following the National Zero-Carbon Factory implementation plan and applying for the relevant certifications.

Trina Solar’s “Green Factory” Tour

February 2018	According to the Second Batch of Green Manufacturer List issued by China’s Ministry of Industry and Information Technology (MIIT), Trina Solar passed the evaluation with a high score of 97 and was included in the list of “Green Factory”.
September 2018	Changzhou Trina solar Energy Co., Ltd. obtained The Green Factory Certification from the China Quality Certification Centre (CQC), which complies with the General Principles of Green Factory Assessment.
March 2022	Trina Solar signed a strategic cooperation agreement with the Qinghai Provincial Government to jointly build the "Source-Grid-Load-Storage" Integrated Net Zero Industrial Park.

May 2022	Trina Solar Yiwu Technology Co., Ltd. (Yiwu production base) completed the self-evaluation report for green factory.
August 2022	Yiwu production base completed the third-party evaluation report for Green Factory.

Energy Consumption Management

Trina Solar has always been committed to the low-carbon operations of green factories. We issue and implement internal rules and regulations, including the Energy & Resource Management Procedure, the Energy Measurement and Management Procedure, and the Energy Review Procedure, to continuously consolidate our awareness of energy consumption and optimize energy efficiency. In 2015, the Company obtained ISO 50001 Energy Management System Certification issued by The British Standards Institution (BSI). As of the end of the Reporting Period, Changzhou production base, Yiwu production base, Suqian Module production base, Suqian Cell production base, and Yancheng Guoneng production base also obtained ISO 50001 Energy Management System Certification.

Energy Conservation Targets and Achievements

By setting and implementing company-wide targets for energy management and renewable energy utilization, we continuously enhance energy consumption efficiency and mitigate the negative impacts of our production and operations on the ecosystem.

Trina Solar Energy Management Targets

Compared with the base year of 2020, the integrated energy consumption (tce/MW) of solar photovoltaic products will drop by **40%** in 2025

- Compared with the base year of 2020, the integrated energy consumption (tce/MW) per unit output of cell products will drop by **40%** in 2025
- Compared with the base year of 2020, the integrated energy consumption (tce/MW) per unit output of module products will drop by **40%** in 2025

Actively promote and use renewable energy, and aim to achieve **100%** renewable energy use in global manufacturing and operation by 2030 (power unit: MWH)

Carry out energy-saving and consumption-reduction projects, and achieve the goal of saving **100** million kWh of power consumption in global manufacturing and operation from 2021 to 2030 (power unit: degree)

During the Reporting Period, Trina Solar took various measures to ensure the achievement of energy conservation targets. In 2022, the energy intensity for our cell products (5.55 tons of std. coal/MW) decreased by 54.21% from a 2020 baseline. Also, the energy intensity for our module products (1.96tons of std. coal/MW) saw a decrease of 41.60% from a 2020 baseline.

Trina Solar Energy Consumption Performance From 2020 to 2022[2]

	2022	2021	2020
Integrated Energy Consumption [3](tons of std. coal)	264,804	176,233	148,086
Incl. Natural gas (10,000 m³)	89	69	53
Electricity Purchased (MWh)	2,026,872	1,433,209	1,007,825
Cell: Integrated Energy Consumption per Unit Product (ton of standard coal/MW)	5.55	8.18	12.13
Module: Integrated Energy Consumption per Unit Product (ton of standard coal/MW)	1.96	2.46	3.36

2.The caliber of Trina Solar's environmental data (except greenhouse gas emissions data) includes Trina Solar Company Limited (including headquarters function) and its subsidiaries Trina Solar Co., Ltd. (Changzhou Headquarters), Yancheng Trina Solar Guoneng Science & Technology Co., Ltd., Trina Solar (Suqian) Technology Co., Ltd., Trina Solar (Suqian) Optoelectronics Co., Ltd., Trina Solar Yiwu Technology Co., Ltd., Trina Solar (Yancheng Dafeng) Co., Ltd., Trina Solar Technology (Yancheng) Co., Ltd.

3.Integrated energy consumption data include integrated energy consumption of water, electricity and natural gas.

In addition, during the Reporting Period, Trina Solar saved a total of 35,835,300 kWh[4] of electricity consumption by optimizing the process flow and installing additional energy-saving equipment. Since 2021, the Company has saved a total of 44,960,300 kWh of electricity consumption.

Key Production Energy Optimization Efforts and Results in 2022

Suqian Module production base Retrofitted with Vacuum Equipment Annual electricity savings of **2.1** million kWh

Suqian Cell production base Air Supply Renovation Project Annual electricity savings of **1.01** million kWh

Welding Robot and Welding Torch Retrofit Project in Changzhou Bracket production base Annual electricity savings of **40,000** kWh

Heat Exhaust Reuse Project in Yancheng Technology production base Annual steam savings of **1,200** tons

Renewable Electricity

As a leading photovoltaic company, Trina Solar not only produces and delivers renewable energy products to customers worldwide but also actively promotes the use of renewable electricity in the manufacturing process. During the Reporting Period, our production bases in Changzhou, Yiwu, and Yancheng made good use of the spare space on the roof of the factory to lay solar panels, which were converted into clean energy after rectification. On top of meeting our own operational and production demands, we also fed the surplus electric energy into the local power supply grid-connected system, contributing to the local energy transformation. In 2022, Trina Solar used a total of 56,203 MWh of renewable power from photovoltaic rooftop power generation; of which 2,000 MWh of green power was purchased and used by the Suqian production base and 49,978 MWh of green certificates were purchased by the Yiwu production base, for a total renewable energy usage of 108,181 MWh, in an effort to reach the goal of 100% renewable energy in global production operations by 2030.

4. This figure (which does not include Trina Solar's electricity generation through PV rooftops in 2022) represents a total saving of 35,835,300 kWh of electricity.

Water Management

With global population rising and climate warming, the pressure on global water resources continues to increase. Deeply aware of the importance of sustainable water use, we proactively assume the responsibility by setting water intensity targets and taking various measures to ensure a steady decline in water intensity over the years.

Our Water Management Approach

Trina Solar has set medium-term targets for water management and will continuously contribute to alleviating pressures on water resources in the future. We strictly comply with laws and regulations on water access, use, and drainage such as the Water Law of the People's Republic of China, Water Pollution Prevention and the Control Law of the People's Republic of China, Guidelines for Water Efficiency in Key Industries, Discharge Standard of Water Pollution for Electronic Industry, The Law on Water Resources of the Socialist Republic of Vietnam, the Law on Water Resources of Thailand, etc. The board of directors is responsible for the environmental strategy and performance, which include water management. Sustainable water resources are ensured by guaranteeing the rational utilization of these in the production process and employees' daily life, increasing water recycling, and preventing water pollution caused by our operations. No violations of water-related laws and regulations occurred throughout the year.

Trina Solar Water Management Target

Compared with the base year of 2020, the water consumption intensity (t/MW) of solar photovoltaic products will decrease by **20%** in 2025

- Compared with the base year of 2020, the water consumption intensity (t/MW) per unit output of cell products will decrease by **20%** in 2025
- Compared with the base year of 2020, the water consumption intensity (t/MW) per unit output of module products will decrease by **20%** in 2025

The water management procedures of each factory of the Company fully comply with the Energy & Resource Management Procedure and the Prevention and Control Management Procedure of Water Pollution. We clearly define responsibilities and guidelines of different departments. Also, we actively push forward the reform of water conservation technologies, and further assess the important environmental factors and the potential water risks the companies might face to ensure the achievement of water management targets.

To better measure and manage the water footprint of its products, Trina Solar conducts water balance tests in its factories. By collecting real-time data on the water system, we have clear water flowcharts, which enable us to comprehensively assess water consumption conditions of products in design, production, packaging and other processes and understand the water management conditions of each unit. Meanwhile, we conduct optimization analysis based on the test results and continuously promote water conservation.

Water Risk Assessment and Response

In 2022, while complying with our Environmental Aspect Identification and Evaluation Procedure, we adopted the Aqueduct Water Risk Atlas from the World Resources Institute (WRI) to evaluate water risk levels in areas where our 12 factories are located.

According to the results, our ten domestic factories were 100% rated medium-to-low risk or low risk. Our factory in Thailand was rated medium-to-high risk. Our factory in Vietnam was rated high risk.

To reduce our dependence on local water resources, our factories in Thailand and Vietnam actively improve the water recycling rate through multiple measures such as collection and reutilization of water, wastewater regeneration, etc. No incidents affecting production due to water shortage have occurred in our operations so far.

Water Conservation

Our EHS committee conducts monthly statistics and analysis of water consumption and water pollutant discharge monitoring data to ensure the implementation progress of water consumption targets. Also, it checks potential abnormal water consumption to ensure that the water consumption of the Company meets water consumption control targets and that the wastewater meets the local water pollutant discharge standards before discharge.

Our water sources mainly include municipal water. Through equipment modification, technology upgrading, reclaimed water reuse and other measures, our factories maximize water efficiency in production and operation. In 2022, our total water consumption was 14,449,496 tons, of which production water accounted for approximately 96%. Our water consumption intensity per unit of cell product was 384.89 tons/MW, a decrease of 62.72% from the base year, and water consumption intensity per unit of module product was 39.83 tons/MW, a decrease of 53.20% from the base year. As of the end of the Reporting Period, the product water consumption intensity of cells and modules has met or exceeded our previously set water management targets.

	2022	2021	2020
Total Water Consumption (tons)	14,449,496	14,020,000	10,568,000

Trina Solar Water Stewardship Performance from 2020 to 2022

	2022	2021	2020
Cell: Integrated Water Consumption per Unit Product (ton/MW)	384.89	683.93	1,032.44
Module: Integrated Water Consumption per Unit Product (ton/MW)	39.83	48.48	84.79
Reclaimed water use (tons)[5]	454,299	-	-

Wastewater Management

We classified wastewater into industrial wastewater and domestic sewage and took corresponding measures for treatment. We made full use of wastewater that could be recycled, and treated wastewater that could not be recycled to meet corresponding standards before discharge. Domestic sewage was discharged via the municipal sewer networks for treatment. We monitor the discharge of wastewater regularly. In 2022, we further collected and analysed the total amount of wastewater and made a detailed breakdown of our wastewater-relevant pollutants.

The wastewater disposal measure "rainwater and sewage separation system" we designed was used to separate rainwater from the sewer networks, which prevents possible fire wastewater and chemical waste liquid from directly discharging to the rainwater networks. To reduce water pollutants, we actively upgrade our cleantech, which enables high utilization efficiency of raw materials and lessens discharge of pollutants. Also, we strictly strengthen our control over the discharge of wastewater and update the list of water pollutants at least once a year.

5.The data of reclaimed water use only includes Yancheng Guoneng production base, Yancheng Technology production base, and Suqian Cell production base.

Trina Solar Wastewater Management Performance from 2020 to 2022[6]

	2022	2021	2020
Industrial wastewater discharge (0,000 tons)	1,075	833	-
Chemical Oxygen Demand (COD) (tons)[7]	780	-	-
Ammonia Nitrogen (tons)	133	-	-
Suspended Solids (SS) (tons)	202	-	-

2022 Wastewater Management & Achievements

Recycling of concentrated water in Suqian Cell production base

The reverse osmosis system was added to the pure water treatment system for the treatment of concentrated water generated from the pure water. Also, a pump was added at the concentrated water tank of the pure water system to deliver the treated concentrated water to the "reverse osmosis device for recycling of concentrated water", which reduces the discharge of the concentrated water and water consumption.

Annual water withdrawal savings up to **370,000** tons

6. Trina Solar generates industrial wastewater from its cell manufacturing process. The scope of wastewater management performance data in the Report includes Yancheng Guoneng production base, Yancheng Technology production base, Suqian Cell production base and Vietnam Taiyuan production base.
7. Trina Solar discloses for the first time in this report the total amount of COD, ammonia nitrogen and suspended solids discharged from industrial wastewater.

Reutilization of concentrated and condensed water in Yancheng Technology production base

Yancheng Technology production base takes various measures to improve water efficiency and mitigate the negative impact of its production and operations on local water ecosystem:

- Concentrated water recycling system: the concentrated water in pure water station is treated by recycling system and the produced water is used as raw water to save fresh water.
- Using concentrated water for dispensing and flushing: concentrated water is used in the prescription of wastewater and exhaust gas treatment and for flushing toilets.
- Recycling of condensed water: condensed water from the central air-conditioning system is collected and recycled for the cooling tower.

Annual water withdrawal savings up to **740,000** tons

Concentrated and condensed water reutilization unit at Yancheng Technology Plant

Creating Ecological Harmony

Sustainable Construction of Power Stations and Manufacturing Factories

In the development and construction process of power stations, Trina Solar strictly abides by relevant environmental laws and regulations, promotes the integration of nature and power station projects, and continuously improves the construction plan to adapt to and improve the local fragile ecosystem.

As early as the site selection stage, we perform the environmental impact assessment and take local water resources into consideration. During the Reporting Period, our newly built Inner Mongolia base, Suqian Silicon Materials, Yancheng New Energy, Huaian Technology and Qinghai Silicon production base obtained the environmental impact assessment reports issued by third-party institutions.

Sustainable Construction of Qinghai Crystal & Silicon production base

Case

In 2022, we invested the 35GW monocrystalline Czochralski (CZ) Project in Nanchuan Industrial Park in the Xining Economic and Technological Development Zone, Qinghai, to achieve win-win situations of local economic development and enterprise development. The project complies with the planning requirements of Nanchuan Industrial Park, Xining, and obtained the environmental impact assessment report issued by a third-party institution in September 2022.

The premise of our factory lays out on a planar slope. Each functional domain in the factory is relatively independent, but also closely combined, which forms an organic whole. The project site is crossed by the Xiamen Gorge River, so we designed a green landscape within 10 meters of both sides of the river without polluting facilities. The shortest distance between the buildings along the riverway and the river is equal to the distance between the solid waste warehouse and the river, which is 16 meters.

In addition, we set a certain area of green belt around the factory. Transporting equipment for raw materials and finished products and noisy equipment are all arranged indoors.

Exhaust Gas and Waste Management

The Company strictly complies with relevant laws, regulations, and emission standards in areas where our facilities are located, to fulfil our environmental responsibilities and obligations, including the Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste, other laws and regulations, and the Standard for Pollution Control on the Hazardous Waste Landfill. To minimize the adverse impact on the environment, we continuously improve and refine the management of generation and emission of solid waste and exhaust gas from the production process, endeavouring to reduce the emissions and ensure all emissions are treated in compliance with the regulations. No violations in pollutant discharge or pollution occurred throughout the year.

Waste Management

We formulate and implement the Waste Management Procedure, which must be followed by all employees and contractors. We carry out strict supervision and administration on the application for generation, collection, classification, storage, transfer, and disposal of waste so as to ensure that the solid waste generated in the production and operation processes is treated properly, avoiding environmental pollution. In 2022, Trina Solar's waste to landfill was 279 tons, approaching "the goal of 'zero' landfill by 2030".

We prepare the List for Classification of Waste and classify solid waste into industrial solid waste, domestic waste, and hazardous waste, in accordance with their properties. Meanwhile, we have formulated and implemented corresponding management procedures for different categories of solid waste as follows:

Trina Solar Solid Waste Treatment Procedure

Industrial Solid Waste

- Packaging waste such as paper boxes, foam and plastics are removed by production departments to the classified waste collection zones and then handed over to qualified waste disposal enterprises for recycling.
- The raw material waste such as aluminium frames are directly scrapped in the production line, transported to the warehouses for temporary storage, and finally recycled by the manufacturers or qualified waste disposal enterprises.
- Waste products such as waste silicon wafers and waste cells are collected by the production departments, and those that cannot be recycled are delivered to qualified waste disposal enterprises for treatment and recycling.

Hazardous Waste

- Hazardous waste such as organic solvents, acid- or alkali-containing waste liquids, waste adhesives and sealants, and waste lamps are stored in the temporary storage area and then periodically transferred to the hazardous waste yards of the factories.
- Chemical-containing empty barrels are collected, sorted out, and transported by material handlers to hazardous waste yards for temporary storage. Except for those recycled by the manufacturers, the rest are disposed of in compliance with the regulations by qualified hazardous waste disposal operators.
- Hazardous waste such as waste selenium drums and ink boxes are recycled by the manufacturers. The expired drugs from various departments are handed over to qualified hazardous waste disposal enterprises for disposal.
- The waste generated from the maintenance of equipment and machine such as waste lubricating oil and waste vacuum pump oil are temporarily stored by the production departments in a compliant manner and posted with the corresponding hazardous waste label. They are then regularly transferred to qualified hazardous waste disposal enterprises to be disposed of in compliance with the relevant regulations.

Domestic Waste

- Kitchen waste (such as food waste, grease, etc.) produced by the catering service units are disposed of by the qualified disposal units in a bio-safe manner.
- Domestic waste generated by the administration office are transferred by the sanitation department on a regular basis and their volume and whereabouts are also recorded.

Trina Solar Waste Management Performance From 2020 to 2022

Metrics	2022	2021	2020
General waste (tons)[8]	118,783	35,000	-
Incl. Recycled general waste(tons)[9]	113,114	-	-
Incl. Landfill volume (tons)	279	2,233	2,743
Recycling rate of general waste	95%	-	-
Hazardous waste (tons)	3,679	5,300	-
Hazardous waste transported and disposed (tons)[10]	3,677	-	-

8. The increase in general waste generation during the Reporting Period was mainly due to the commissioning of Yancheng Technology production base, Yancheng Dafeng production base and Vietnam Taiyuan production base in the second half of 2021; therefore, the general waste generation in 2022 was significantly higher than the previous year.
9. The Company first disclosed recycled general waste, recycling rate of general waste,and hazardous waste transported and disposed in 2022.
10. As of the end of the Reporting Period, factories had hazardous waste that had not yet been disposed of at the end of the year based on practical operating conditions.

Continuous Reduction of Hazardous Waste Production and Emission Through Optimized Design

In our module workshops, silica gel and AB gel are used in the framing process. The packaging drums and waste gel used to be disposed of as hazardous waste, resulting in large amounts of hazardous waste.

In 2022, we implemented the following measures to reduce hazardous waste:

- Tinfoil is added inside the silica gel vat for gluing on the frame. Then the tinfoil dipped in gel is taken out and disposed of as hazardous waste, while the clean silica gel vat can be recycled as recyclable waste.
- We use 5-gallon-plastic drums for the bottom glue of the original wiring box. The drums are also disposed of as hazardous waste. During the Reporting Period, we replaced the 5-gallon-plastic drums with large iron drums to increase the piping to the bottom glue when we revamped the workshops.
- The residue of silica gel in iron drums is used as much as possible. The wasted silica gel is monitored by weighing the residue to ensure that the quantity of waste is maintained below 10kg each time.

Exhaust Gas Management

Our exhaust gas mainly consists of greenhouse gases, particulate matter, and nitrogen oxides from the use of purchased electricity and combustion of natural gas. We continuously improve the management of exhaust gas emissions. In 2022, the exhaust gas sensing device installed in the Yiwu production base effectively monitored exhaust gas emissions online, ensuring that the exhaust gas was treated before emission to reduce the risk and adverse effects of non-compliance with environmental standards. In addition, we regularly invite qualified third-party institutions to conduct on-site environmental tests and issue test reports.

Trina Solar Exhaust Gas Management From 2020 to 2022[11]

Metric	2022	2021	2020
Nitrogen oxide (NOx) (tons)	2.70	6.53	-
Sulfoxide (tons)	1.99[12]	0.02	-

11.In 2022, Thailand production base was majorly in shutdown and renovation, and its facilities were being optimized, so no relevant data had been collected for the year.

12.The increase in sulfoxide in 2022 was mainly driven by the fact that the Vietnam Taiyuan production base, which manufactures our cells, began recording sulfoxide emissions for the first time in 2022.

100% VOCs Meet the Corresponding Standards Before Being Discharged through Multiple Treatment Measures

During the Reporting Period, Trina Solar actively sets environmental targets and takes various measures to ensure 100% of VOCs produced in the workshops meet the corresponding discharge standards after treatment.

- Secondary activated carbon adsorption is configured in the VOCs treatment process to reduce the emission of organic material.
- Periodically replace activated carbon in the VOCs treatment column to increase the removal rate of organic material.
- VOCs are monitored semi-annually to ensure the effectiveness of our treatment facilities.

Yancheng Dafeng production base exhaust gas treatment facilities

Vietnam Taiyuan production base exhaust gas treatment facilities

03

Excellent Quality, Responsibility Foremost

Trina Solar has always been committed to winning the long-term recognition of global customers with its high-quality products. We continue to improve our product quality management system, practice responsible marketing, and refine and guarantee the excellent quality of our products and services to meet the expectations of global customers for the quality of them. Meanwhile, we build a sustainable supply chain with responsible management and work together with our partners to help the industry develop.

Quality Management

Trina Solar has established a comprehensive product quality management system, implemented quality management into every step of production and operation, and executed strict management processes. We constantly pursue excellent product quality and realize effective quality management for the full life cycle of our products.

Quality Policy

Innovate with wisdom, improve with quality, operate with excellence, and fulfill customers

Trina Solar has established a quality management system for the full product life cycle with reference to the requirements of the Enterprise Law of the People's Republic of China, the Product Quality Law of the People's Republic of China, the Code of Practice for the Design, Construction and Acceptance of Photovoltaic Power Generation Projects, and other relevant laws and regulations. We also formulate and regularly update our Product Stewardship Policy and the Quality Management Manual to ensure the quality and safety of PV modules throughout their lifecycle - including R&D, design, manufacturing, usage and ultimate disposal.

In 2022, Trina Solar was audited, and our PV modules received ISO 9001:2015 Certification by TÜV Rheinland and REACH Declaration of Conformity by SGS. We continue to enhance our brand value, maintain Trina Solar's long-term excellence in quality, and deepen our ability to meet customers' value needs.

In addition, during the Reporting Period, Trina Solar continued to optimize its quality management system and expanded the coverage of the system to 16 production bases. The Company regularly conducted internal audits of the quality management system and monitored each process of quality management in real time with reference to the requirements of ISO 9001:2015 Quality Management System, IEC 62941:2015 Terrestrial Photovoltaic (PV) Modules - Quality System for PV Module Manufacturing and Trina Solar's internal quality management system and regulations. During the Reporting Period, we conducted internal audits of all production sites and made recommendations for more demanding enhancements to system process execution consistency, equipment and software maintenance and updates, employee capacity building, and supplier development and evaluation. Corrective actions for non-conformities after the inspection were all completed on time.

Case

Vertex 670W modules achieve excellent results in the PVEL reliability test as Trina Solar wins its eighth consecutive "Top Performer" Recognition

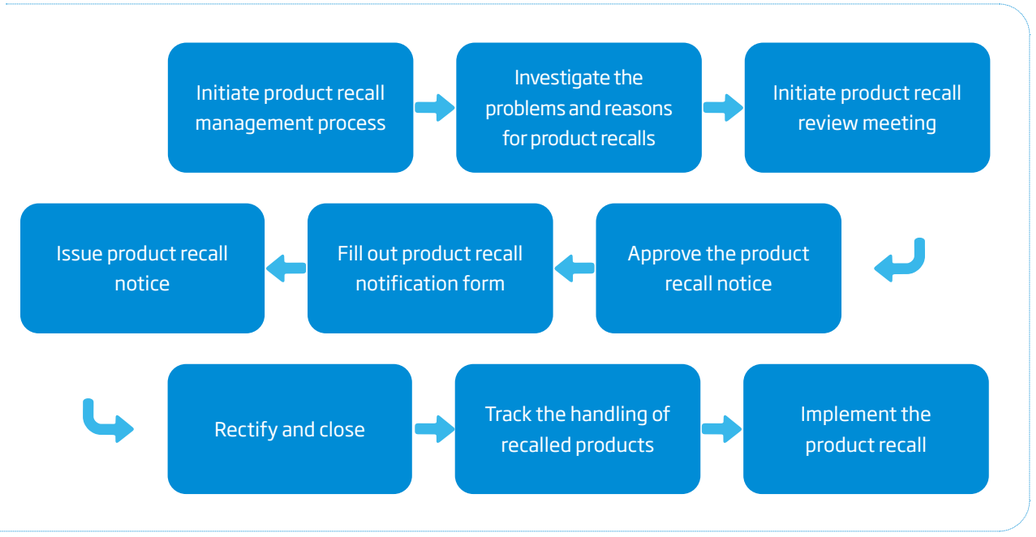
After months of rigorous testing, Trina Solar has once again been placed as a 2022 "Top Performer" among global PV module manufacturers by PV Evolution Labs (PVEL), a world-renowned third-party reliability testing laboratory. This is the eighth recognition in a row, making Trina Solar the solar company with most wins. It highlights Trina Solar's commitment to excellent quality consistency, high reliability, and outstanding safety of its modules. Test results published by PVEL show that the ultra-high power 210mm Vertex modules, 670W in particular, have achieved the best performance in the Product Qualification Program (PQP) test sequences.

Product Recall

In order to strengthen the emergency management capability for product emergencies and further ensure the rights and safety of customers, Trina Solar has formulated and implemented the Product Recall Management Guide, which provides detailed operational guidelines on product recall timing, product recall evaluation, product recall examination and approval, product recall implementation, and product recall tracking and closure.

During the Reporting Period, Trina Solar did not have any recalls of sold or shipped products for safety and health reasons.

Trina Solar Product Recall Process



Quality Service

In addition to providing excellent quality that meets or exceeds global regulatory standards, Trina Solar also hopes to empower global customers and provide high-quality services. Moreover, we keep improving our service level and adjusting the direction of service refinement through a comprehensive customer complaint handling process and regular satisfaction surveys to gauge customer suggestions and opinions.

Responsible Marketing

We insist on responsible marketing, sign transparent and equal sales contracts with customers, formulate and implement the Management Procedures for Reviewing Sales Contracts of Module Business, strengthen the control of marketing compliance, price compliance, channel compliance and operational compliance, continuously improve brand value and safeguard customers' rights and interests.

In addition, to ensure that products and projects meet customers' traceability requirements, we have established and implemented the Guidelines for Identification and Traceability Management, which set clear and unambiguous requirements for product identification management and traceability management after procurement, production,and delivery.

Customer Complaint Processing

Trina Solar fully listens to customers' voices, having established a comprehensive customer complaint processing procedure and system, strives to respond to customers' concerns in the most responsible way, and enhances customers' complaint service experience. We regularly collect, analyze, and summarize customer feedback, opinions, and suggestions to further understand customers' needs; we have opened an online customer service processing platform (CSP), and a cell phone app - Voice of the Customer, where customers can log in and fill in relevant feedback information, and technical service personnel in all regions of the world will respond timely within 48 hours.

Trina Solar has established and implemented a number of complaint processing systems, including the Customer Feedback Management Procedures for Module Business, to optimize customers' complaint processing experience and enhance customers' faith in Trina Solar through a standardized and streamlined complaint service. We have established a closed-loop complaint processing mechanism to provide customers with multi-modal complaint processing solutions based on the content of customer complaints, combined with quality and inter-departmental internal communication. When a return situation occurs, we promptly analyze the judgment according to the procedure and send the returned products back to the factory, laboratory,or local scrap according to the product risk level.

Satisfaction Survey

In order to have a deeper understanding of customers' needs and opinions, and to continuously improve our customer service level, we conduct third-party customer satisfaction surveys and self-driven customer satisfaction surveys annually,in accordance with the guidelines of Trina Solar's Customer Satisfaction Survey Management Procedures, inviting global customers to evaluate their satisfaction with our products, markets, services and other aspects, and analyzing data according to customer feedback. The highlight parts will continue to be maintained, and the unsatisfactory parts will be set up as improvement projects within the company and promoted specifically.

In 2022, Trina Solar's overall customer satisfaction and net recommendation values outperformed the peer average. In order to capture customers' perception of our work on time, Trina Solar, in addition to external surveys, also made full use of its self-opened online independent satisfaction survey channel to investigate the points of contact with customers throughout the business process from pre-sales to in-sales and after-sales, collecting several thousand pieces of real-time customer feedback data, which effectively promoted internal work improvement.

Customer Privacy Protection

Protecting customer privacy is a fundamental principle of Trina Solar's responsible operation. We pay close attention to the security of customer information and privacy protection, and strictly follow the principles of openness, legality, legitimacy,and necessity to collect personal information, and must obtain consumers' authorization or consent before collecting personal information.

The main channels through which we collect personal information include our website, official social media advertisements, online meetings, questionnaires, etc. The means of obtaining authorization or consent include the terms of the consumer's authorization or consent to the collection and use of their personal information in the user agreement, separate privacy agreements or instructions, and other written forms.

In its marketing activities, Trina Solar ensures that customer information is adequately protected in its communication dissemination and that customer complaint data is kept strictly confidential. During the Reporting Period, the Company did not have any complaints about infringement of customer privacy or loss of customer data.

Responsible Procurement

While adhering to its own high standards of business ethics, social,and environmental requirements, Trina Solar seeks to cooperate with suppliers who also follow high ethical standards and take social and environmental responsibility as their own. By continuously improving its supply chain management system and enhancing communication with suppliers and partners, Trina Solar continues to promote and improve its sustainable supply chain.

The main types of commodities purchased by Trina Solar are raw and auxiliary materials for production, infrastructure, equipment, logistics and transportation, and IT and services. We have developed Trina Solar's Supplier Code of Conduct, Procurement Management Guidelines, and Supplier Classification and Grading Management Specifications to provide guidelines for full lifecycle supplier management. At the same time, we have published the Code of Business Conduct to demonstrate Trina Solar's business cooperation standards to all partners, to clarify the requirements of the code of conduct and to provide a reference for daily management. In addition, while entering into a contract with the supplier, the supplier shall undertake and guarantee that neither the supplier nor the personnel employed by the supplier shall be involved in any matters of international and national human rights norms such as child labour or forced labour in the manufacturing, operation, and delivery.

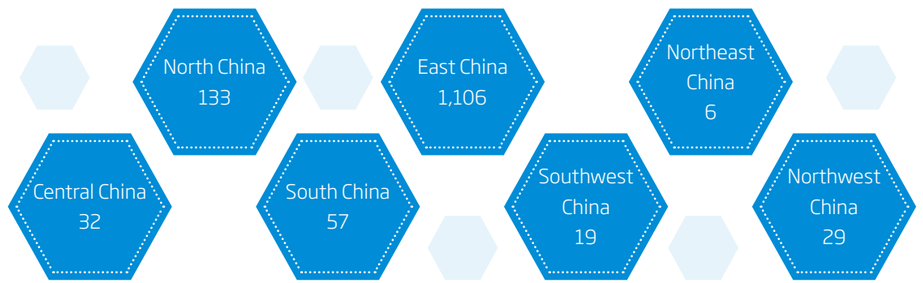
Supplier Management Consolidation

Supplier Access Grading

In the supplier access process, Trina Solar has defined different selection principles and qualification standards for different procurement types, and issued a Potential Supplier Development Questionnaire to potential suppliers. Based on the content of the questionnaire returned, we investigate the compliance, environmental and social performance, and relevant qualification documents of potential suppliers. We review the product quality of suppliers at the entry stage to ensure that the quality of products provided can meet our standards, to then sign high-level agreements with suppliers.

After the suppliers are on the list of qualified suppliers, we classify them into four levels according to business impact and market complexity: strategic suppliers, preferred suppliers, optional suppliers, and restricted suppliers, and conduct performance management with different frequencies and concerns. As of the end of the Reporting Period, the total number of domestic suppliers was 1,382.

Trina Solar Supplier Distribution Statistics in 2022



Supplier Performance Evaluation

During the Reporting Period, Trina Solar newly established and implemented the Supplier Performance Management Code to evaluate suppliers' quality, price, delivery capability,and service level in an objective and fair manner, and to optimize the supplier management mechanism of survival of the fittest.

We evaluate suppliers in various aspects such as technology, quality, delivery, service, cost, innovation, social responsibility, safety, and environment according to their categories and with different weights. Furthermore, we complete an assessment and recognition of suppliers based on the evaluation results, while carrying out targeted communication and counseling, and gradually restricting procurement, freezing and eliminating suppliers that fail to improve in the long run.

Case

Trina Solar Global Supplier Conference

Trina Solar actively builds a new supply ecosystem focusing on the customers. In January 2022, the Trina Solar Global Supplier Conference was held in Changzhou with the theme of "Building a New Eco-system for the PV Industry with Openness and Innovation". The conference set up four awards: Joint Innovation Award, Best Collaboration Award, Quality Excellence Award, and Excellent Supplier Award to thank our supplier partners for their sincere cooperation as always.

Supplier Environmental and Social Performance Assessment

Our publicly available Code of Business Conduct emphasizes the requirements and constraints on environmental and social standards of conduct for all suppliers, and provides reporting channels to encourage mutual monitoring. We have established and implemented the Supplier EHS Management Procedure, which specifies that procurement staff should record the relevant supplier performance in the Supplier EHS and Social Responsibility Form, and conduct annual supplier EHS and social responsibility audit scores.

Trina Solar Supplier EHS and Social Responsibility Audit Scoring Keys

Environmental Protection

- Environmental permits or approval documents
- Environmental management and energy management system certification
- Wastewater, air, waste and waste management
- Management of factory land, groundwater and surrounding biodiversity
- Chemical storage and use management

Occupational Health

- Health permits or approval documents
- Occupational health and safety management system certification
- Healthy and safe workplace management
- Fatal and serious injury accidents in the past 5 years
- Canteen food safety

Safety

- Safety permits or approval documents
- Machine and equipment safety maintenance
- Contractor construction safety management
- Government fines or violation records in the past 5 years

Fire Emergency

- Fire permits or approval documents
- Fire drills and testing of emergency alarm systems
- Workplace first aid measures and firefighting equipment

Social Responsibility

- Employment compliance management
- Employee compensation management

Case

Trina Solar was selected as a National Green Supply Chain Management Enterprise, and won the Cost Saving Innovation Award at the 2022 Procurement Success Awards, which is known as the "Oscar of the Procurement Industry"

In 2022, we were selected as a National Green Supply Chain Management Enterprise on the 2022 List of Green Manufacturing released by the Ministry of Industry and Information Technology of the People's Republic of China (MIIT). We became the first enterprise in Changzhou to have won all the awards on the List of Green Manufacturing (including green factories, green products, and green supply chains , and green industrial parks), playing a leading role in the industry chain, promoting industrial green development, and helping the industrial field to reach carbon peak and carbon neutrality.

Furthermore, in November, Trina Solar was awarded the Cost Saving Innovation Award on the 2022 Procurement Success Awards ceremony hosted by the Asia Pacific Procurement Success Summit for its excellent cost saving cases, becoming the first company in the PV industry to receive this prestigious honor, which is known as the "Oscar of the procurement industry".

Trina Solar won the Cost Saving Innovation Award, known as the "Oscar of the Procurement Industry", at the 2022 Procurement Success Awards

Improving Labor Protection in Supply Chain

We require our suppliers to comply with international labor standards and the requirements of Trina Solar's Code of Business Conduct, respect the basic human rights of their full- and part-time employees, and fulfill the responsibilities to protect the health and safety of their employees.

We explicitly list the key audit requirements for labor human rights protection and occupational health and safety in the Supplier EHS Management Procedures to ensure unbiased supplier labor rights with clear audit and evaluation management procedures.

Requirements for Labor Human Rights and Occupational Health and Safety for Trina Solar Suppliers

Labor Human Rights Protection	Occupational Health and Safety
· Comply with local labor regulations and sign labor contracts with workers · Anti-child labor and forced labor (including interns) · Comply with legal wage payment requirements (including interns) · Comply with legal working hours and overtime pay requirements (including interns)	· Safe working environment · Occupational safety training for employees · Control and prevention of accidents and occupational diseases, regular medical examinations · Emergency response equipment

In addition, we require all suppliers and partners to sign the Trina Solar Supplier Social Responsibility Commitment during the supplier entry process, in which they clearly understand the full Trina Solar Supplier Code of Conduct, including labor protection, and confirm their agreement to comply with it.

By the end of March 2023, a total of 111 suppliers of main and auxiliary materials had signed "the Trina Solar Supplier Social Responsibility Commitment" and completed the supplier EHS and social responsibility self-assessment.

Supplier Social Responsibility Training

Continuous and regular communication with suppliers is the foundation of Trina Solar's efforts to ensure supply chain synergy and agility. We provide training to suppliers through information sharing, online and offline coaching, etc. to help suppliers improve their capabilities in various aspects of social responsibility management.

Trina Solar Supply Chain Injury Prevention Capacity Building Project Case

In 2022, Trina Solar worked with key supply chain companies to implement a workplace injury prevention capacity building project to ensure the health and safety of supply chain employees. We sorted out the work injury prevention responsibilities and processes of key supply chain companies, benchmarked best practices to identify the differences in work injury prevention management among companies, and conducted interactive courses and instructor training to promote the capacity building of work injury prevention management in companies. At the same time, we also completed a risk assessment for each company through injury risk assessment and on-site inspection, and jointly created or optimized an enterprise injury prevention supervision system.

In this project, Trina Solar is expected to complete risk assessment reports for 27 key supply chain companies and work together to improve the injury prevention and supervision system.

Conflict Minerals

Trina Solar does not purchase or support the use of "conflict minerals". In 2015, we issued and implemented a Conflict Minerals Management Framework, which defined a 5-step process to identify potential conflict minerals in the materials we used. Meanwhile, we continued to promote key material suppliers to complete CMRT due diligence.

Trina Solar Process of Identifying "Conflict Minerals"

Determine the scope of products and suppliers

Review bill of materials for products to identify 3TG and corresponding suppliers

Perform a reasonable level of mineral origin investigation

Use supplier CMRT questionnaires to obtain the necessary information from suppliers to assess the source and sourcing of 3TG to meet conflict minerals reporting requirements

Conduct due diligence

Conduct supplier control matrix risk assessment based on feedback from suppliers on country of origin surveys for reasonable levels of minerals

Each subsidiary submits its findings to the head office

Report the conflict mineral status of each subsidiary's product components as required by the template issued by the head office

Sort out the process

Sort out and ensure compliance with existing operational processes

Industry Collaboration

Trina Solar has always regarded cooperation and communication as an important initiative for sustainable development, actively leading the development of industry standards and carrying out various types of industry cooperation and communication. We look forward to exploring more efficient and innovative cooperation models with domestic and foreign institutions and enterprises, taking advantage of their respective advantages in technology, products, services, capital, and government communication, to continuously enhance the competitiveness of both parties in the global industry development.

Deepening Industry Collaboration

Trina Solar is committed to establishing cooperation and communication mechanisms with governments, universities, associations and global industry peers, conducting research in specialized fields, and jointly promoting energy transformation and innovation progress. We attach importance to cooperating with domestic and foreign universities to consolidate and deepen the integration of industry, academia,and research.

Case

Gathering Strength, Trina Solar Co-founded the "China Energy Storage Industry Innovation Alliance" and "600W+ Photovoltaic Open Innovation Ecological Alliance"

Trina Solar is deeply aware that the high-quality development of the photovoltaic industry is inseparable from the collaborative efforts of all enterprises in the industry. In 2022, we joined hands with 62 organizations, including CEEC and CATL, to establish the "China Energy Storage Industry Innovation Alliance", with the aim of gathering upstream and downstream resources of the new-type energy storage industry chain, accelerating the optimization and integration of the supply chain, industry chain, value chain, and innovation chain, and promoting the high-quality development and industrial upgrading of new-type energy.

In addition, Trina Solar has long been committed to establishing a new ecosystem focusing on the customers to help achieve carbon neutrality. We have formed the "600W+ Photovoltaic Open Innovation Ecological Alliance" with 99 enterprises to create a new ecology in the industry chain and accelerate the sustainability agenda of solar industry.

Case

"Trina Solar Digital Energy Research Academy" Establishment in cooperation with Shanghai Minhang District Government and Shanghai Jiao Tong University

In March 2022, Trina Solar signed a strategic cooperation agreement with Shanghai Minhang District Government and Shanghai Jiao Tong University to jointly establish the "Trina Solar Digital Energy Research Academy". The three parties will give full play to their respective advantages in location and resources, education and scientific research, and industry and technology, with net zero buildings, smart parks, and public and commercial projects as targets and breakthroughs, and jointly promote carbon trading, green power trading, and new power system construction.

Participation in Standard Setting

Trina Solar actively participates in the development and revision of standards in the fields of renewable energy and clean power, providing technical and practical support for industry development. Up to now, we have led and participated in the development of 136 standards, including 34 international standards. Out of the total 136 standards, 116 have been published.

Case

Intelligent tracking technology listed in PV industry standard

In December 2022, China Photovoltaic Industry Association issued the third batch of PV association standards development and revision plan. Among them, the project "Intelligent Tracking Performance Test Method for PV Tracking Brackets" led by Trina Solar was included. This is the first tracker intelligence project included in the industry standard, which makes clear specifications for conventional and intelligent tracking technology, high scattering irradiation weather optimization function and test method, inverse tracking optimization function and test method, bifacial module optimization function and test method, and test conditions for real-world power plants, etc., leading and driving the development of standardization and standardization of intelligent tracking technology in PV industry.

04

People Oriented, Trina Warmth

Trina Solar understands that talent is an important cornerstone for sustainable development. We adhere to the concept of "people-oriented" and are committed to establishing a diversified and equal employment management system, paying attention to employees' occupational health and safety, and effectively protecting their legal rights and interests. We also attach importance to the cultivation and development of talents, provide potential promotion space for them, improve the compensation and welfare plan, and create a warm working environment. Furthermore, Trina Solar has always been committed to giving back to society, actively practicing corporate social responsibility and contributing to the development of the photovoltaic industry and society as a whole. In 2022, Trina Solar was recognized with the "Global Attractive Employer" award by LinkedIn.

Diversity, Equity,and Inclusion

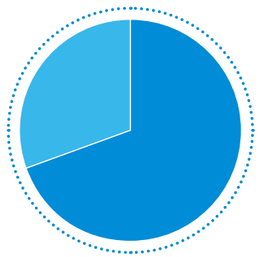
We are actively committed to building a diverse, equal and inclusive corporate culture. In the Trina Solar Code of Business Conduct and Ethics for Employees, we explicitly and firmly oppose to any form of discrimination, intimidation, harassment and other disciplinary actions, provide equal and diverse career development paths for our employees, commit to eliminating discrimination in terms of gender, ethnicity, nationality, and religious beliefs in the hiring, promotion, training, and termination of employees, ensuring that all employees enjoy open, fair, and just job opportunities. Through a series of trainings and awareness-raising programs, we ensure that employees all over the world study and understand Trina Solar's requirements and attitudes toward anti-discrimination, anti-harassment, and diversity.

Trina Solar has a global footprint and actively engages with talents from diverse educational, ethnic, and national backgrounds. As of the end of the Reporting Period, Trina Solar had a total of 23,077 officially contracted employees, with 30% female employees; 2,592 foreign employees; 308 ethnic minority employees; and 28 employees with disabilities, achieving a diverse employment policy.

Employment of Trina Solar in 2022

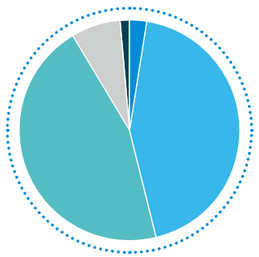
Total Number of Employees **23,077**

By Gender



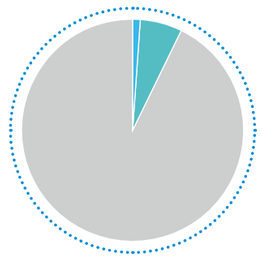
Male	16,123 or 69.87%
Female	6,954 or 30.13%

By Age



18-20 Years old	536 or 2.32%
21-30 Years old	9,988 or 43.28%
31-40 Years old	10,594 or 45.91%
41-50 Years old	1,708 or 7.40%
50 Years old and Above	251 or 1.09%

By Rank



Senior Management	31 or 0.13%
Middle Management	244 or 1.04%
Junior Management	1,415 or 6.13%
General Staff	21,387 or 92.68%

We conduct annual talent inventory, sort out job vacancies and needs, establish corresponding talent plans, and reserve talents and select elites for Trina Solar through both campus and social recruitment. Recruitment channels include, but are not limited to, campus recruiting seminars, online recruiting, job fairs, internal recommendations, and internal competitive recruitment. During the Reporting Period, we held "Future Wisdom, World Power" on-air and offline seminars for fresh graduates, offering 12 categories of positions, including development and engineering, R&D, branding and marketing, and operation and management, to attract high potential talents to join Trina Solar and promote local employment in operating regions.

The Rising Sun Program - Campus Recruiting and Talent Culture Building

Case

In 2022, Trina Solar continued to promote the Rising Sun Program, utilizing campus recruiting opportunities to recruit talents from diverse backgrounds. During the Reporting Period, we held seven live on-air presentations of the "Rising Sun Program", offering more than 1,000 job opportunities for fresh graduates in R&D, brand marketing, engineering, manufacturing, IT, and other positions.

In addition, we provide diverse and informative onboarding training for new talents, expecting them to understand Trina Solar's core values as early as possible, realize the role change from campus students to Trina Solar employees, and master and apply basic skills.

During the Reporting Period, we provided 7 sessions of new employee training courses of the Rising Sun Program for incoming freshmen. Freshmen from all over China were unified and centralized to attend the training at our Changzhou headquarters to achieve the objectives of identifying with Trina Solar, changing roles, and integrating into the team. Among them, a special session was opened for the Qinghai base to help the new base construction and cultural integration. The overall satisfaction of the trainees with the training course reached 4.78 points (on a 5-point scale)

Labor Rights Protection

Labor Guidelines

As of the end of 2022, Trina Solar's operational overseas and domestic production bases are located in Zhejiang Province, Jiangsu Province, Inner Mongolia Autonomous Region in China, Vietnam and Thailand. Trina Solar strictly complies with national laws and regulations such as the Labor Law of the People's Republic of China, the Labor Contract Law of the People's Republic of China, and the Regulations on Prohibition of Child Labor. We pay attention and refer to international human rights conventions and labor standards such as the United Nations Guiding Principles on Business and Human Rights, and develop and continuously improve our internal rules and regulations. We have incorporated the protection of human rights and labor rights into the Trina Solar Code of Business Conduct and Ethics for Employees and the Supplier Performance Management Code.

Trina Solar has defined a "zero tolerance" policy for child labor and forced labor in the Trina Solar Employee Handbook, the Human Resources Recruitment and Employment Management System, and other internal rules and regulations, and actively protects the basic rights and interests of employees through information audits, background checks by internal or third-party organizations, and regulations on working hours and overtime approval processes. We strictly follow the laws and regulations of China and our operating regions and the provisions of the Trina Solar Employee Handbook, and do not use child labor and strictly prohibit forced labor. In addition, we have incorporated social issues such as child labor, overtime work, and human rights into our supplier social responsibility assessment methods and supervise our suppliers to refrain from employing child labor and forced labor. In 2022, Trina Solar did not have any incidents of child labor, forced labor, or other violations.

Employee Rights and Benefits

Trina Solar hopes to provide employees with competitive remuneration packages, actively listen to their demands, create a good working environment and atmosphere, promote employee communication and exchange, and let every employee fully feel the warmth of Trina Solar.

Compensation and Benefits

We provide good compensation and benefits for our employees, insist on the combination of short-term and long-term incentives, set salaries based on market-oriented principles, implement employee equity incentive plans, and encourage employees to be active and enterprising through diversified ways. We strictly abide by the relevant wage management laws and regulations in each place of operation, and also set up a Human Resources Management Committee (HRC), which is committed to continuously optimizing a fair, just and reasonable compensation and benefits management system.

We continued to improve internal systems such as the Management System on Job Promotion and Salary and the Management Method of Excellence Selection and Incentive, stipulating the composition of employees' salaries and the adjustment mechanism. In the first half of 2022, Trina Solar carried out annual salary adjustment through market research, and the adjustment of basic salary was tilted to the grassroots employees, aiming to provide them with fair and just salary treatment with market competitiveness.

We implemented the employee equity incentive plan to stimulate the work enthusiasm and R&D innovation of core talents. In 2020, the Board of Directors of the Company adopted the Resolution on the First Grant of Restricted Shares to the Incentive Target, which improved the framework of equity incentive, salary incentive, and work performance evaluation incentive. It brings value-added benefits to employees while enhancing corporate value, guides employees to contribute themselves to the development of the Company in the long term, and further enhances the motivation, creativity and cohesion of employees. During the Reporting Period, the incentive plan officially started the vesting procedure.

Non-salary benefits

Aside from salaries, the Company provides employees with good benefits, cares for employees' lives, continuously enhances their happiness and sense of belonging, and creates a warm working environment.

In 2022, the social insurance coverage rate of Trina Solar employees was **100%**.

Statutory Benefits

- Endowment Insurance, Medical Insurance, Unemployment Insurance, Employment Injury Insurance, Maternity Insurance, and Public Housing Funds
- During the Reporting Period, the number of employees who used parental leave was 582, including 287 male employees and 295 female employees; the reinstatement rate reached 100%

Featured Benefits

- Annual health checkup
- Provided excellent employees with ￥5,000 free choice of projects each year, including learning and growth, family travel fund, in-depth medical examination, etc.

Care for Female Employees

- Provided female employees with gifts on Women's Day
- Created a breastfeeding room for pregnant women

Consolation for Employees in Need

- Consoled 8 employees in need in 2022
- Organized employee donations to relieve the pressure of medical expenses for seriously ill employees

Employee Communication

Trina Solar values the voices of employees and encourages them to solve problems and disputes through internal communication and grievance mechanisms in order to create and maintain a good working atmosphere.

Employee Communication Channels

Employee Communication Meetings

- On Jan 19, 2022, Trina Solar held its 2022 employee meeting. The core management of the Company answered questions from employees covering corporate operations, R&D layout, career planning and other dimensions
- Every spring, Trina Solar organizes outdoor development and group building activities to promote mutual communication among employees and enhance teamwork ability
- Trina Solar HR and labor unions regularly organize communication meetings for front-line managers and team leaders to listen to the voices of employees and promote the company's management ability and service awareness

New Employee Training

- To help new talents better integrate into Trina Solar, we hold training sessions for new employees to understand the practical difficulties and doubts they encounter at work, encourage them to listen to explanations from executives and experts and give feedback and suggestions, gather their wisdom, and enhance their sense of belonging

Online Communication Platform

- We set up online and offline communication platforms and communication hotlines to understand the needs of employees, actively listen to the most genuine voices of employees, and arrange for dedicated personnel to follow up and respond to employees' demands on time

In addition, Trina Solar strictly follows the Trade Union Law of the People's Republic of China and respects employees' rights to participate in independent labor unions, collective bargaining and freedom of association.

We have established labor union committees and employee representative assemblies to protect the legitimate rights and interests of our employees. All Chinese employees of the Company are already members of the labor union. We hold annual staff meetings and consult with the trade unions before introducing internal systems. The union has set up an internal library (Changzhou Library Branch) and conducts monthly salon-type activities such as " Good Book Recommendation"; we have also set up a sports club to promote the balance of work and rest for our employees and regularly hold various sports activities to enrich their spare time.

Employee Health Protection

Trina Solar takes the health and safety at workplace very seriously and considers it an integral part of our business operations and practices for sustainable corporate development. Our workplace safety system covers full-time, part-time and contractor employees, including those whose work or workplace is under our control.

Safety Management System

Trina Solar attaches great importance to the occupational health and safety of its employees and strictly abides by the Labor Law of the People's Republic of China, the Fire Protection Law of the People's Republic of China, the Law of the People's Republic of China on the Prevention and Control of Occupational Diseases, and the Work Safety Law of the People's Republic of China. We have developed and implemented internal systems such as the Occupational Healthy Management Procedure, the EHS Responsibilities Management Procedure, and the EHS Training Management Procedure.

In 2022, Trina Solar further updated the EHS Committee Management System to optimize the work contents including a monthly inspection and implementation of rectification programs, employee safety training, performance tracking, and employee safety suggestions. In the EHS Responsibility Management System, we refined the safety responsibilities of important positions such as the person in charge, the EHS person in charge, and the person in charge of the production base. In the meantime, we optimized the content of the EHS Accident Investigation Management System during the Reporting Period, clarifying that accident reports should be reported to management and emphasizing the adoption of different accident reporting processes for accidents of different levels, in order to improve the efficiency of accident investigation and analysis and to take timely corrective measures to prevent similar incidents from recurring.

Trina Solar's Chinese and overseas factories have institutionalized occupational health and safety management and have all obtained ISO 45001 occupational health and safety management system certification. We have established a global safety incident management mechanism that requires all factories worldwide to report safety incidents within a specified time frame, submit and take timely and targeted corrective and preventive measures for the causes of incidents, and hold responsible managers accountable for causing serious accidents to promote a long-term safety production management mechanism.

Health and Safety Performance

During the Reporting Period, Trina Solar did not identify any violations of laws or regulations related to providing a safe work environment and safeguarding employees from occupational risks, as well as events that would have a significant impact on Trina Solar. In 2022, we had no work-related fatalities among our employees, of which we had a TRR of 0.324, representing an 17% reduction from the previous year; there were a total of 171 working days lost due to work-related injuries.

Safety Training

Trina Solar actively conducts internal safety training in regular, non-regular, and refresher training, aiming to help employees master Trina Solar's various health and safety systems, improve their health and safety awareness, and ensure that our production and operation activities comply with relevant laws and regulations.

In 2022, Trina Solar conducted a total of 1,032 health and safety training sessions, with a total of 2,965 hours. There were 29,977 participants of both Trina Solar employees and outsourced suppliers. The total investment in employee occupational health and safety was of RMB 49.75 million.

Trina Solar Occupational Health Knowledge Training

Case

In 2022, Trina Solar held a number of occupational health education and awareness training sessions for employees in different business areas. For example, we provided employees with knowledge on occupational health from four aspects: occupational health forms, occupational health knowledge and regulatory requirements, occupational hazards and protection, and occupational health medical examination information, so that the safety concept could be deeply rooted in each employee's mind and daily actions.

Talent Development

Talent Training

In order to strengthen the talent pool and talent ladder construction, Trina Solar continues to improve the Training Management System, enhance the internal training system, and provide highly job-appropriate training courses for department supervisors, general employees, new employees, trainees and other groups, covering compliance training, safety knowledge training, professional quality ability training, professional ability training, leadership training, and other content to continuously improve the knowledge and business ability of employees.

In 2022, the number of training hours per Trina Solar employee reached **7.65** hours.

Employee training satisfaction reached **4.76** points (on a 5-point scale).

Trina Solar Key Training Projects in 2022

Trina Solar GMDP Training Program for Middle and Senior Leadership Development

With the vision of corporate development, Trina Solar actively promotes the formation of roles and responsibilities of middle and senior executives, focuses on the shared responsibility of "the role of middle and senior Management", and carries out the GMDP training program for middle and senior leadership development. We hope that the newly promoted managers can improve their business capabilities and management efficiency in time to meet the market competition and the Company's development, and work together to achieve the Company's strategic goals

Trina Solar FLDP Training Program for Middle and Junior Management Empowerment

In order to smooth the path of talent development and continuously cultivate managers who meet Trina Solar's values and development needs, Trina Solar offered FLDP training program for middle and junior managers in October 2022 to guide and empower participants to improve their abilities in the areas of "transmitting values", "leading high-performance teams" and "achieving business goals"

New Employee Orientation (NEO) Training Program

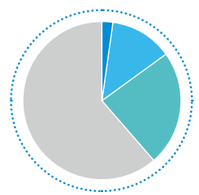
Trina Solar attaches great importance to the development of young talents. By combining the different talent backgrounds of campus recruitment and social recruitment, we offer the Rising Sun School Recruitment Class, New Cadre Class and Social Recruitment Class to help new talents understand the culture and values of the Company through online breakthroughs and offline intensive training

Trina Solar Employee Training in 2022

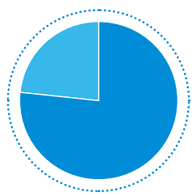
Average Number of Training Hours per Employee		
Training Hours per Capita by Level	Senior Management	116.04
	Middle Management	74.96
	Junior Management	26.32
	General Employees	5.52
Number of Training Hours per Employee by Gender	Male Employees	7.59
	Female Employees	7.81

Percentage of Employees Trained[13]

Percentage of Trained Employees by Level



Percentage of Employees Trained by Gender



13.The formula for the percentage of employees trained is the number of employees trained for that type/all employees trained.

Trina Solar ESG Training Program

Case

Trina Solar encourages all employees to learn ESG knowledge, actively enhances their own ESG and sustainability awareness, and puts sustainable development into practice.

In 2022, we incorporated important sustainability topics such as information security, business conduct and code of ethics, EHS management, and intellectual property protection into the "90 Days of Growth for New Employees" training system to solidify new employees' awareness of sustainable development.

In addition, we have launched the online training course "Introduction to Trina Solar's Safety Production, Environmental Protection Responsibility System,and Major EHS Laws and Regulations". Employees can learn about safety production, environmental protection responsibility, laws and regulations, and other sustainable development knowledge at any time on the enterprise WeChat terminal or computer terminal. At the same time, we set up assessment and examination pass certificate issuance modules to encourage employees' learning enthusiasm.

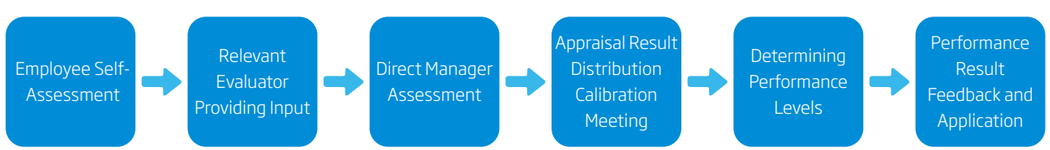
Employee Development

Performance Evaluation

Trina Solar continuously improves the personal performance management and assessment system for employees and has formed the Personal Performance Management System, establishing a linkage mechanism between performance and bonuses, salary transfers, promotions, equity and other compensation and benefits to create a good competitive atmosphere. For the performance appraisal of employees in different departments, we determine PDP appraisal indexes according to employees' roles and value contribution patterns to ensure the implementation and effective execution of the Company's Strategic Plan (SP) and Business Plan (BP), and strengthen the value appraisal system oriented to the organic combination of responsibility results and employee management and personal development.

Trina Solar gives employees timely feedback on their evaluation results in a six-month appraisal cycle to help them continuously improve and focus on their future development. By 2022, 100% of Trina Solar's employees received regular performance evaluations.

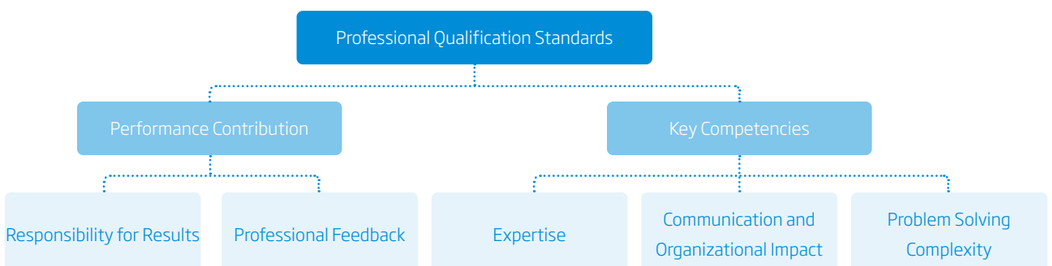
Trina Solar's Individual Performance Appraisal Process



Career Development

Trina Solar continues to empower employees to have more inspiring and challenging career development opportunities to help them grow within the Company. In 2022, we vigorously promoted the job qualification program and drafted and issued the Job Qualification Management Measures to effectively establish a job qualification mechanism.

Trina Solar's Five-element Model for Professional Qualifications



Community Commitment

Since its establishment, Trina Solar has actively undertaken social responsibility, practiced its initial intention and mission, and promoted the global energy transition. We continue to promote the construction of renewable energy, ensure the global supply of products, and provide renewable energy products and technology training to developing countries, contributing to the empowerment of the global energy transition.

We deeply care about the uneven development of regions at home and abroad, and provide as much help and support as we can to give back to local communities while progressing alongside society. During the Reporting Period, our total community contribution and philanthropic investment funds amounted for 4.795 million RMB.

Trina Solar's Four Pillars of Corporate Social Responsibility

Carrying out Precise Support Through Public Welfare Activities

Trina Solar actively fulfills its corporate social responsibility, reaches out to the disadvantaged and poor groups through public welfare activities, carries out precise support work from multiple angles and directions, actively guides students in less developed regions to learn new energy industry application knowledge and technology, helps local entrepreneurship and employment, and contributes to the economic development of less developed regions

Building Photovoltaic Campus and Improving Energy Structure

We leverage Trina Solar's business strengths to help bring clean energy to the campus, improve the energy structure of schools, and protect electricity consumption; we also integrate green energy applications into campus life to build up clean energy awareness for a new generation of students, so that they can become builders and successors with a sense of sustainable development in the new era

Empowering Local Social Development

We actively respond to the national "One Belt, One Road" policy and provide clean, reliable, and safe green energy to countries along the "Belt and Road", while making every effort possible to empower local social development, interpreting the "Sunshine Story" of belonging to Trina

Realizing Rural Revitalization Through Green Energy Empowerment

Under the goal of "carbon peak and carbon neutral" and the call for rural revitalization, we accelerate the development of green energy transformation in rural areas, support the development of rural photovoltaic, help build the modern energy system, and empower the construction of ecological and livable beautiful villages

Case

Siyuan Sunshine Entrepreneurship Fund - Trina Solar Organically Combines Energy Development and Precise Support to Draw a New Road of Precise Support with PV Characteristics

In 2015, Trina Solar has donated 10 million RMB to set up the Sunshine Entrepreneurship Fund in the China Siyuan Project Foundation, actively guiding and helping the poor people in the northwest region to start their own businesses or employment, and empowering local communities to build their hometowns. In late 2019, Trina Solar donated 1 million RMB to Qunyi Village in Xinren Township, Qianxi County, Guizhou to build a cultural activity center, benefiting more than 20,000 people in the surrounding area. In early 2022, Trina Solar Chairman Gao Jifan was awarded the honor of the "Advanced Individual of Democratic Alliance for the Betterment and Progress of China in Poverty Alleviation" by the Central Committee of China National Democratic Construction Association.

Case

"Clean Energy for Earth" - Trina Solar and WWF Jointly Launched the Global Initiative to Build a Better Future for Clean Energy

In December 2022, Trina Solar, together with WWF, IBM and other international organizations, domestic and international enterprises, industrial parks, and research institutions, launched the "Clean Energy for Earth" joint initiative, aiming to call for the participation of all sectors of society who care about climate change and are passionate about low-carbon development, raise people's awareness of using clean energy, and contribute to a "carbon-neutral" future.

Case

Lighting up the "Photovoltaic Campus" - a Vivid Sample of Trina Solar's Contribution to New Energy Science Education

For many years, Muer Primary School in Xichang City, Liangshan Yi Autonomous Prefecture, Sichuan Province, has been faced with a shortage of electricity supply and frequent power outages due to its geographical environment. In 2022, Trina Solar assisted Muer Primary School in building a 13.5 kilowatt photovoltaic power plant with an average annual power generation capacity of 17,900 KWh. The project adopts a "self-generation, surplus power online" model, which brightens up the campus and ensures stable electricity consumption for teaching, while bringing sustainable income to the school and helping the national "carbon peak and carbon neutral" goal and green development of the countryside.

Sunshine Bank - Trina Solar's Vertex Modules Illuminate the Road to Rural Revitalization

Case

In 2022, the residents of Yaoma Village and Zhujia North Village in Zibo, Shandong Province, have installed and used Trina Vertex modules in every household, which have become a "sunshine bank" for local villagers while continuously producing clean energy. Among them, the total annual power generation capacity of the Yaoma Village household project can reach about 2.8 million KWh, generating an income of about 1.1 million RMB for the villagers; the 1 MW village-level PV power generation project in Zhujia North Village is expected to generate a total of 1.5 million degrees per year, and the power generated will be centralized and synced to the national grid. This initiative can make full use of the roofs of rural houses, bring villagers income from housing rental fees and develop the local low-carbon economy.

Light of the Desert - Performing Trina's "Sunshine Story"

Case

In 2019, Trina Solar, as a benchmark company in the tracker industry, built its first tracker project in Kenya, Africa. Our employees worked day and night to explore the geological conditions of the complex terrain, explain PV knowledge to local villagers, employ local villagers in the villages where the projects were located, provide jobs, and also help local villagers participate in the construction of PV projects through technical training.

By 2022, Trina Solar's power plants in Kenya have provided 120,450 MWh of green electricity per year to 22,000 households. We have provided more than 120 jobs in the region and have conducted related technical training for more than 100 local workers.

05

Appendix

Sustainable Development Honours

Award	Awarding Institution
2022 Forbes China Top 50 Sustainable Development Industrial Enterprises	Forbes China
2022 Red Dot Design Award (Germany)	Red Dot Design Award
"Top Performer" Global PV Module Manufacturers	PV Evolution Labs (PVEL)
Top 100 Energy Transition Innovators	Reuters
Climate Creator Award	World Wide Fund for Nature (WWF)
Overall High Achievers Award for Module Manufacturing	Renewable Energy Testing Center (RETC)
2022 Corporate Communication Awards	PR Newswire
the 11th "Polaris Cup" photovoltaic Influential Brand "2022 Influential Photovoltaic Batteries/Modules"	Polaris Solar Photovoltaic Network
The 8th "All Quality Matters (China)" - "PV Module Energy Yield Simulation"	TÜV Rheinland, Germany
2022 GREEN PV Conference Technology Innovation Award	2022 Inaugural China GREEN PV Supply Chain Conference - China ECOPV Alliance
"2022 Top 500 Chinese Brands"	2022 the 16th Brandcn China Brand Festival
The Industrial Product Green Design Demonstration Enterprise	Jiangsu Province Department of Industry and Information Technology
"Top Brand PV Modules" 2022	EUPD Research
Top 20 Nationally Recognized Enterprise Technology Center	National Development and Reform Commission
Global Top 10 of Storage providers & integrators bankability survey results 2022	BloombergNEF
Ranking Second in Growth Rate of Global Shipments (above 1GWh) of Chinese Energy Storage System Companies in 2022	GGII

Index of Indicators

GRI Content Index

Disclosure	Title	Chapter Index
2-1	Organizational details	"About the Report About Trina Solar"
2-2	Entities included in the organization's sustainability reporting	About the Report
2-3	Reporting Period, frequency and contact point	About the Report
2-4	Restatements of information	Not applicable
Activities and workers		
2-6	Activities, value chain and other business relationships	About Trina Solar
2-7	Employees	4.1 Diversity, Equity and Inclusion
2-8	Workers who are not employees	Not applicable
Governance		
2-9	Governance structure and composition	1.1 Governance Structure
2-10	Nomination and selection of the highest governance body	1.1 Governance Structure
2-11	Chair of the highest governance body	1.1 Governance Structure
2-12	Role of the highest governance body in overseeing the management of impacts	1.1 Governance Structure
2-13	Delegation of responsibility for managing impacts	1.1 Governance Structure
2-14	Role of the highest governance body in sustainability reporting	1.1 Governance Structure
2-15	Conflicts of interest	"1.1 Governance Structure 1.3 Compliance"
2-16	Communication of critical concerns	1.1 Governance Structure

Disclosure	Title	Chapter Index
2-17	Collective knowledge of the highest governance body	1.1 Governance Structure
2-19	Remuneration policies	"1.1 Governance Structure 4.2 Labor Rights Protection"
2-20	Process to determine remuneration	"1.1 Governance Structure 4.2 Labor Rights Protection"
Strategy, policies and practices		
2-22	Statement on sustainable development strategy	1.1 Governance Structure
2-23	Policy commitments	Our Mission and Vision
2-24	Embedding policy commitments	"Our Mission and Vision 1.1 Governance Structure"
2-25	Processes to remediate negative impacts	Our Mission and Vision
2-26	Mechanisms for seeking advice and raising concerns	"1.1 Governance Structure 1.2 Stakeholder Communication"
2-27	Compliance with laws and regulations	There were no violations of laws or regulations that occurred, and please see 1.3 Compliance for details
2-28	Membership associations	3.4 Industry Collaboration
Stakeholder engagement		
2-29	Approach to stakeholder engagement	1.2 Stakeholder Communication
2-30	Collective bargaining agreements	1.2 Stakeholder Communication
3-1	Process to determine material topics	1.2 Stakeholder Communication
3-2	List of material topics	1.2 Stakeholder Communication
GRI 201 Economic Performance		
201-1	Direct economic value generated and distributed	Our Sustainable Development Achievements
201-2	Financial implications and other risks and opportunities due to climate change	2.2 Addressing Climate Change and Decarbonization Targets
201-3	Defined benefit plan obligations and other retirement plans	4.2 Labor Rights Protection

Disclosure	Title	Chapter Index
GRI 203 Indirect Economic Impacts		
203-1	Infrastructure investments and services supported	"Our Sustainable Development Achievements; Focusing on User Value and Enabling Global Zero-Carbon Transition"
203-2	Significant indirect economic impacts	4.5 Community Commitment
GRI 204 Procurement Practices		
3-3	Management of material topics	3.3 Responsible Procurement
204-1	Proportion of spending on local suppliers	3.3 Responsible Procurement
GRI 205 Anti-corruption		
3-3	Management of material topics	1.3 Compliance
205-1	Operations assessed for risks related to corruption	1.3 Compliance
205-2	Communication and training about anti-corruption policies and procedures	1.3 Compliance
205-3	Confirmed incidents of corruption and actions taken	There were no confirmed incidents of corruption that occurred, and please see 1.3 Compliance for details
GRI 301 Materials		
301-2	Recycled input materials used	2.1 Product Lifecycle Green Management
301-3	Reclaimed products and their packaging materials	2.1 Product Lifecycle Green Management
GRI 302 Energy		
3-3	Management of material topics	2.3 Promoting Sustainable Manufacturing
302-1	Energy consumption within the organization	2.3 Promoting Sustainable Manufacturing
302-3	Energy intensity	2.3 Promoting Sustainable Manufacturing
302-4	Reduction of energy consumption	2.3 Promoting Sustainable Manufacturing
302-5	Reductions in energy requirements of products and services	2.3 Promoting Sustainable Manufacturing

Disclosure	Title	Chapter Index
GRI 303 Water and Effluents		
303-1	Interactions with water as a shared resource	2.3 Promoting Sustainable Manufacturing
303-2	Management of water discharge-related impacts	2.3 Promoting Sustainable Manufacturing
303-3	Water withdrawal	2.3 Promoting Sustainable Manufacturing
303-4	Water discharge	2.3 Promoting Sustainable Manufacturing
303-5	Water consumption	2.3 Promoting Sustainable Manufacturing
GRI 304 Biodiversity		
3-3	Management of material topics	2.4 Creating Ecological Harmony
304-1	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	There was no such occurrence, and please see 2.4 Creating Ecological Harmony for details
304-2	Significant impacts of activities, products, and services on biodiversity	There was no such occurrence
304-3	Habitats protected or restored	There was no such occurrence
304-4	IUCN Red List species and national conservation list species with habitats in areas affected by operations	There was no such occurrence
GRI 305 Emissions		
3-3	Management of material topics	2.2 Addressing Climate Change and Decarbonization Targets
305-1	Direct (Scope 1) GHG emissions	2.2 Addressing Climate Change and Decarbonization Targets
305-2	Energy indirect (Scope 2) GHG emissions	2.2 Addressing Climate Change and Decarbonization Targets
305-3	Other indirect (Scope 3) GHG emissions	2.2 Addressing Climate Change and Decarbonization Targets
305-4	GHG emissions intensity	2.2 Addressing Climate Change and Decarbonization Targets
305-5	Reduction of GHG emissions	2.2 Addressing Climate Change and Decarbonization Targets

Disclosure	Title	Chapter Index
305-7	Nitrogen oxides (NOX), sulfur oxides (SOX), and other significant air emissions	2.4 Creating Ecological Harmony for details
GRI 306 Waste		
3-3	Management of material topics	2.4 Creating Ecological Harmony for details
306-1	Waste generation and significant waste-related impacts	2.4 Creating Ecological Harmony for details
306-2	Management of significant waste-related impacts	2.4 Creating Ecological Harmony for details
306-3	Waste generated	2.4 Creating Ecological Harmony for details
306-4	Waste diverted from disposal	2.4 Creating Ecological Harmony for details
306-5	Waste directed to disposal	2.4 Creating Ecological Harmony for details
GRI 308 Supplier Environmental Assessment		
3-3	Management of material topics	3.3 Responsible Procurement
308-1	New suppliers that were screened using environmental criteria	
308-2	Negative environmental impacts in the supply chain and actions taken	
GRI 401 Employment		
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	4.2 Labor Rights Protection
401-3	Parental leave	4.2 Labor Rights Protection
GRI 403 Occupational Health and Safety		
3-3	Management of material topics	4.3 Employee Health Protection
403-1	Occupational health and safety management system	4.3 Employee Health Protection
403-2	Hazard identification, risk assessment, and incident investigation	4.3 Employee Health Protection
403-3	Occupational health services	4.3 Employee Health Protection

Disclosure	Title	Chapter Index
403-4	Worker participation, consultation, and communication on occupational health and safety	4.3 Employee Health Protection
403-5	Worker training on occupational health and safety	4.3 Employee Health Protection
403-6	Promotion of worker health	4.3 Employee Health Protection
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	4.3 Employee Health Protection
403-8	Workers covered by an occupational health and safety management system	4.3 Employee Health Protection
403-9	Work-related injuries	4.3 Employee Health Protection
403-10	Work-related ill health	4.3 Employee Health Protection
GRI 404 Training and Education		
404-1	Average hours of training per year per employee	4.4 Talent Development
404-2	Programs for upgrading employee skills and transition assistance programs	4.4 Talent Development
404-3	Percentage of employees receiving regular performance and career development reviews	4.4 Talent Development
GRI 405 Diversity and Equal Opportunity		
405-1	Diversity of governance bodies and employees	"1.1 Governance Structure 4.1 Diversity, Equity and Inclusion"
GRI 406 Non-discrimination		
406-1	Incidents of discrimination and corrective actions taken	4.1 Diversity, Equity and Inclusion
GRI 408 Child Labor		
408-1	Operations and suppliers with significant risk for incidents of child labor	"3.3 Responsible Procurement 4.2 Labor Rights Protection"
GRI 409 Forced or Compulsory Labor		
409-1	Operations and suppliers with significant risk for incidents of forced or compulsory labor	"3.3 Responsible Procurement 4.2 Labor Rights Protection"

Disclosure	Title	Chapter Index
GRI 413 Local Communities		
413-1	Operations with local community engagement, impact assessments, and development programs	There was no such occurrence and please see 2.4 Creating ecological Harmony for details
413-2	Operations with significant actual and potential negative impacts on local communities	There was no such occurrence and please see 2.4 Creating ecological Harmony for details
GRI 414 Supplier Social Assessment		
44988	Management of material topics	3.3 Responsible Procurement
414-1	New suppliers that were screened using social criteria	
414-2	Negative social impacts in the supply chain and actions taken	
GRI 416 Customer Health and Safety		
44988	Management of material topics	"3.1 Quality Management 3.2 Quality Service"
416-1	Assessment of the health and safety impacts of product and service categories	3.1 Quality Management
416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	There was no such occurrence, and please see 3.1 Quality Management and 3.2 Quality Service for details
GRI 417 Marketing and Labeling		
417-1	Requirements for product and service information and labeling	3.2 Quality Service
417-2	Incidents of non-compliance concerning product and service information and labeling	There was no such occurrence
417-3	Incidents of non-compliance concerning marketing communications	There was no such occurrence
GRI 418 Customer Privacy		
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	There was no such occurrence, and please see 3.2 Quality Service for details

SASB Content Index

CODE	TOPIC	ACCOUNTING METRIC	INDEX
RR-ST-130a.1	Energy Management in Manufacturing	(1) Total energy consumed, (2) percentage grid electricity, (3) percentage renewable	2.3 Promoting Sustainable Manufacturing
RR-ST-140a.1	Water Management in Manufacturing	(1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	2.3 Promoting Sustainable Manufacturing
RR-ST-140a.2		Description of water management risks and discussion of strategies and practices to mitigate those risks	2.3 Promoting Sustainable Manufacturing
RR-ST-150a.1	Hazardous Waste Management	Amount of hazardous waste generated, percentage recycled	2.4 Creating Ecological Harmony
RR-ST-150a.2		Number and aggregate quantity of reportable spills, quantity recovered	There was no such occurrence
RR-ST-160a.1	Ecological Impacts of Project Development	Number and duration of project delays related to ecological impacts	There was no such occurrence
RR-ST-160a.2		Description of efforts in solar energy system project development to address community and ecological impacts	"Focusing on User Value and Enabling Global Zero-Carbon Transition; 2.4 Creating Ecological Harmony"
RR-ST-410a.1	Management of Energy Infrastructure Integration & Related Regulations	Description of risks associated with integration of solar energy into existing energy infrastructure and discussion of efforts to manage those risks	"Focusing on User Value and Enabling Global Zero-Carbon Transition; 2.4 Creating Ecological Harmony"
RR-ST-410a.2		Description of risks and opportunities associated with energy policy and its impact on the integration of solar energy into existing energy infrastructure	Focusing on User Value and Enabling Global Zero-Carbon Transition
RR-ST-410b.1	Product End-of-life Management	Percentage of products sold that are recyclable or reusable	Trina Solar has started relative internal measurement, but it is not appropriate to disclose yet.
RR-ST-410b.2		Weight of end-of-life material recovered, percentage recycled	2.1 Product Lifecycle Green Management
RR-ST-410b.3	Product End-of-life Management	Percentage of products by revenue that contain IEC 62474 declarable substances, arsenic compounds, antimony compounds, or beryllium compounds	Not applicable
RR-ST-410b.4		Description of approach and strategies to design products for high-value recycling	2.1 Product Lifecycle Green Management
RR-ST-440a.1	Materials Sourcing	Description of the management of risks associated with the use of critical materials	3.3 Sustainable Procurement
RR-ST-440a.2		Description of the management of environmental risks associated with the polysilicon supply chain	3.3 Sustainable Procurement
RR-ST-000.A		Total capacity of photovoltaic (PV) solar modules produced	Our Sustainable Development Achievements
RR-ST-000.B		Total capacity of completed solar energy systems	Our Sustainable Development Achievements
RR-ST-000.C		Total project development assets	Focusing on User Value and Enabling Global Zero-Carbon Transition

Abbreviation of Subsidiary/Factory

Company	Abbreviation
Trina Solar (Changzhou) Science & Technology Co., Ltd.	Changzhou Technology production base
Trina Solar Yiwu Technology Co., Ltd.	Yiwu production base
Trina Solar (Suqian) Technology Co., Ltd.	Suqian Module production base
Trina Solar (Suqian) Optoelectronics Co., Ltd.	Suqian Cell production base
Yancheng Trina Solar Guoneng Science & Technology Co., Ltd.	Yancheng Guoneng production base
Trina Solar (Yancheng Dafeng) Co., Ltd.	Yancheng Dafeng production base
Trina Solar Technology (Yancheng) Co., Ltd.	Yancheng Technology production base
Trina Solar Science & Technology (Thailand) Co., Ltd.	Thailand production base
Trina Solar Development Co.	Vietnam Taiyuan production base


Trinasolar
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