

JA SOLAR TECHNOLOGY



JA Solar Technology Co., Ltd.

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THE COMPANY'S BUSINESS RANGES FROM SILICON WAFERS, CELLS AND MODULES TO COMPLETE PHOTOVOLTAIC POWER SYSTEMS

ON THE
ITS COM
TECHNOLO
INNOVATION

CUMULATIVE
SHIPMENTS

Harvest the Sunshine

1 million years ago, the first firewood ignited by mankind illuminated the road to civilization. 3000 years ago, coal became part of man's daily life and this efficient energy opened a new chapter in mankind's economic and social development. 200 years ago, with the start of industrial Revolution, coal, petrol and natural gas became the main sources for world energy supply with which came unprecedented rapid development and changes.

Energy exerts deep influence on each crucial point in social development. Since entering the 21st Century, traditional energy reserves are found limited, tending to restrict social development on a long term basis, and damages the environment during the process of exploitation and utilization. Thus it is important for humans to find alternative clean energy sources.

Compared with traditional energy, solar energy is inexhaustible, widely distributed and can be utilized with no pollution and discharge, which makes it an ideal clean energy. The development and utilization of solar energy would improve the environment greatly in the meanwhile drive forward society, promoting the sustainable development of mankind.

Since its establishment in 2005, JA Solar has held to the idea of "Developing solar power to benefit the planet". By promoting the utilization of solar energy with photovoltaic power generating technologies, JA Solar dedicates itself to providing clean, safe, efficient and sustainable energy to the society.

“

“Green mountains and clean water are true sources of wealth.” As a renewable energy enterprise, JA Solar regards the construction of ecological civilization as its obligatory duty.

Our company is devoted to the development of continuous technological innovation and sustainable clean energy so as to benefit people today and in the future.

”

Chairman 

JA Solar, Green Energy Solutions Partner Trusted by Global Clients

JA Solar Technology Co., Ltd. ("JA Solar") is a green energy solutions partner trusted by global clients. Mr. Baofang Jin, the founder and chairman of the Board of the company, led the pioneering entry into the photovoltaic ("PV") industry in 1996, with an initial focus on the silicon rod and silicon wafer business. In 2005, he founded JA Solar to begin manufacturing solar cells. The company was listed on NASDAQ in 2007. By 2010, JA Solar had extended its industrial chain downstream to include modules, and in 2012, it further expanded to PV power generation, thereby having established a vertically integrated production chain. After privatizing and delisting from NASDAQ in 2018, JA Solar completed its A-share listing on the Shenzhen Stock Exchange in 2019 (Stock Code: 002459). The company's birthplace and place of registration for the listing are both in Ningjin County, Hebei Province. JA Solar has established multiple production bases globally and owns 16 sales companies overseas. It has built a comprehensive new energy industry chain encompassing silicon wafers, cells, modules, energy storage systems, PV power station development and operation, as well as PV materials and equipment. JA Solar's products are sold and serviced in 178 countries and regions worldwide. As of the end of the first half of 2025, the cumulative shipment volume of cells and modules has approached 300GW, ranking among the top global companies for many consecutive years.

1996 Chairman Baofang Jin led the pioneering entry into the PV industry

May, 2005
Founded in

NASDAQ
Listed on Feb, 2007

Shenzhen Stock Exchange
Listed on Nov. 2019

37289
Employees
(As of Q4, 2024)

70.1 Billion RMB
Revenue in 2024

300 GW
Cumulative Shipments
(As of Q2, 2025)

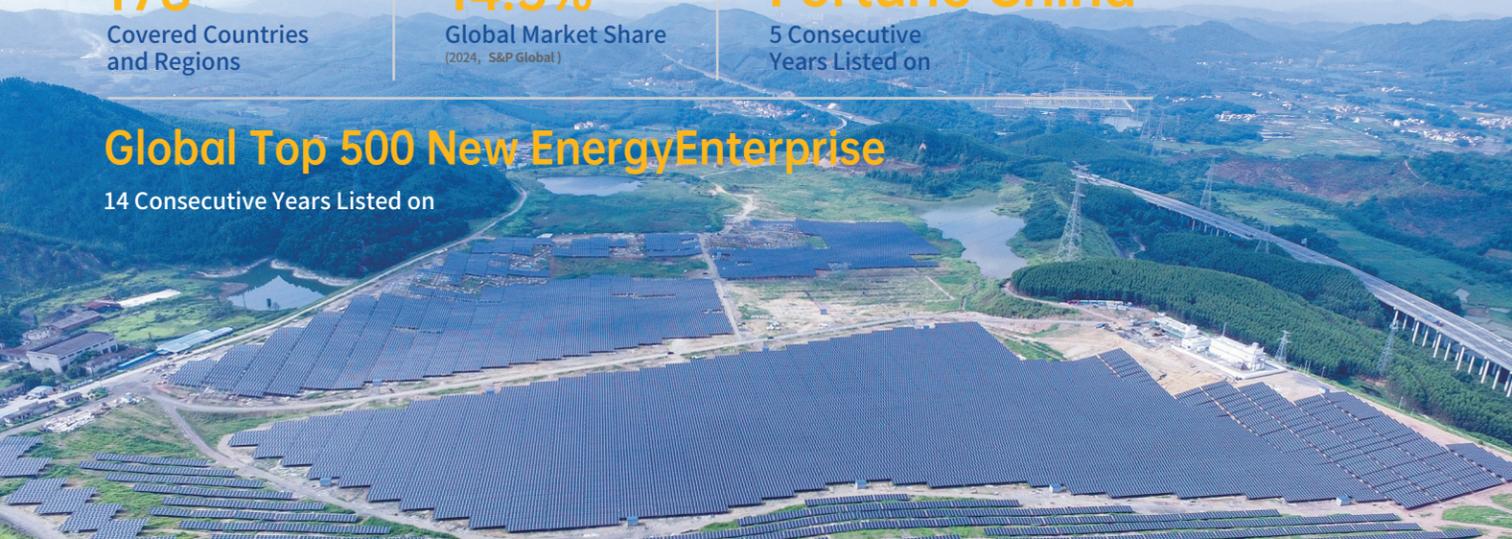
178
Covered Countries and Regions

14.5%
Global Market Share
(2024, S&P Global)

Fortune China
5 Consecutive Years Listed on

Global Top 500 New Energy Enterprise

14 Consecutive Years Listed on



The Chairman



JIN Baofang
Chairman of JA Solar

Corporate Culture

Being a great Enterprise.

— Vision

Developing solar power to benefit the planet.

— Mission

Being genuine, simple, respectful and restrained, grateful.

— Spirit

To be an upstanding and responsible person and apply oneself with integrity and industry.

— Motto

Being customer-centred, promoting welfare for our staff members, and creating value for the owners.

— Core Values

CULTURE

Corporate Social Responsibility

"Being genuine, simple, respectful and restrained, grateful" is JA Solar's enterprise spirit. While making great effort in developing its business, JA Solar also devotes itself to social charity, it has donated over 100 million yuan in disaster and poverty relief, learning and teaching assistance, and urban environment construction.



10 Million Yuan

On January 26, 2020, JA Solar donated 10 Million Yuan together with medical supplies including masks, protective clothing, goggles etc. to help medical institutions to fight against the COVID-19 pandemic.



10 Million Yuan

On July 23, 2021, JA Solar donated 10 Million Yuan for flood relief and post-disaster reconstruction in Henan Province.



JA Solar Donated PV Lights to UNHCR to bring Light and Hope to forcibly displaced people worldwide.



1900 patients

JA Solar's Bright Project has helped over 1900 patients suffered cataract get medical vto 10,000 impoverished cataract patients.



10,000 patients

JA Solar implemented the Assistance Project to benefit 10,000 Students from impoverished families.



5 Million Yuan

On August 2023, JA Solar donated 5 Million Yuan for post-disaster relief in Shijiazhuang.



15 Million Yuan

On August 2023, JA Solar donated 15 Million Yuan for post-disaster relief in Xingtai.



JA Solar donated 6 offgrid 15kW PV-plus-storage systems and a 30kW grid-connected PV system to 6 schools in Lvchun County, Yunnan Province.

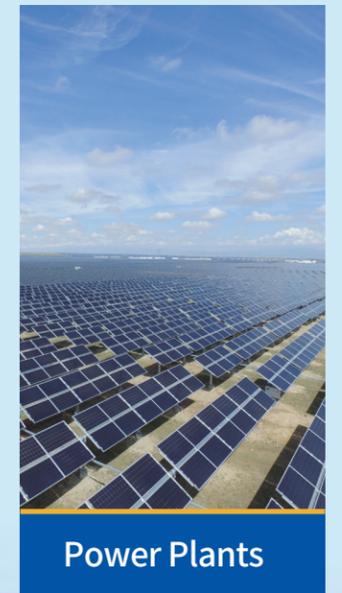
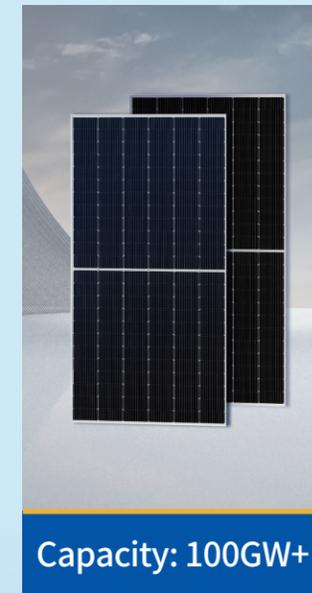
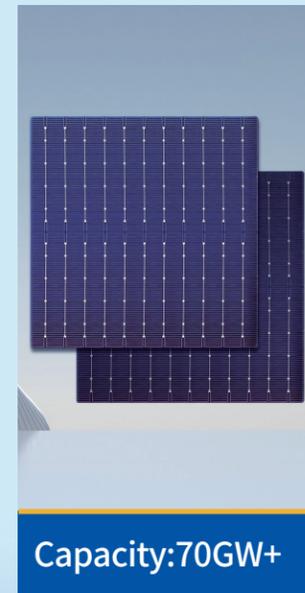
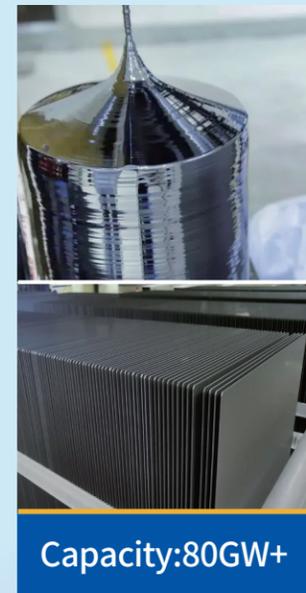


JA Solar has long engaged in supporting basic education, 84 out of 100 Hope Primary Schools it planned to build have been completed.

Awards and Achievements



Vertically Integrated Photovoltaic Product Manufacturer



Note: As of the end of 2024



A Leader in Technology Innovation

JA Solar always puts the developing strategy of "Innovation" above others. As a result, it takes the lead in both the research and development of the commercial utilization of innovative technologies. its consistent commitment to and efficient output of technology innovation brings products with superior quality and performance, and has won long-term recognition in the market.



As of 2025, JA Solar has been recognized ten times as a "Top Performer" by PVEL, a globally respected independent PV testing laboratory.



JA Solar has received "Overall Highest Achiever" honors for five consecutive years from the Renewabe Energy Test Center (RETC).



In 2024, JA Solar was listed among TaiyangNews' "Top 10 Highest Efficiency Mass-ProducedModule Manufacturers" for its DeepBlue 4.0 Pro series.

Accreditations and Certifications

JA Solar has established silicon wafer labs, cell labs and module labs to ensure product quality throughout the whole manufacturing process. The quality of JA Solar's products is also accredited by world-class certification authorities. With the advantages of high conversion efficiency, high power output and high reliability, JA Solar's products are applicable in diverse conditions: ground, water, sand, rooftops, and under different climate conditions including sand and storm, high temperature, salt and alkali, extreme coldness, etc.

TÜV	CE	ETL	CQC	Fronrunner	MCS
PID	Salt Mist Testing	Ammonia Testing	Dust and Sand Testing	DML Certificate	Transportation Testing
CEC (Australia)	ISO 9001:2015	ISO 14001:2015	OHSAS 18001:2007	IEC TS 62941	PV CYCLE

Technology Milestones

2013

Conversion efficiency of PERCIUM p-type mono cell achieves 20.3%

2015

Mass production of PERCIUM p-type mono cells
 Mass production of anti-PID(80°C , 85%RH)cells and modules

2017

Mass production of double glass modules
 Mass production power of 60-cell mono module breaks 325W

2019

Conversion efficiency of BYCIUM n-type mono cell achieves 23.8%
 Mass production efficiency of PERCIUM p-type mono cell achieves 22.7%
 Mass production power of 72-cell MBB half-cell module achieves 410W

2021

Efficiency of mass produced PERCIUM+ p-type mono cell achieves 23.4%
 Pilot line of DeepBlue 4.0 X (based on Bycium+) with power of 610W

2023

Efficiency of Bycium+ n-type cell reaches 25.6%
 Mass production power of DeepBlue 4.0 Pro reaches 630W
 Second-generation liquid-cooled 3.35 MWh utility-scale energy storage system, 94% efficiency
 C&I All-in-one 232 kWh / 372 kWh energy storage system, 89.5% efficiency
 Residential all-in-one PV+BESS system

2025

DeepBlue 5.0 module released with a 670W power output and 24.8% efficiency
 All-scenario module solution released
 Fourth-generation liquid-cooled 5 MWh utility-scale energy storage system, integrated AC/DC design, 30% footprint reduction
 C&I All-in-one energy storage system: 261 kWh, 91% efficiency

Mass production of anti-PID (60°C , 85%RH) cells and modules

2012

Conversion efficiency of RIECIUM p-type poly cell achieves 20%

2014

Power of 60-cell mono module achieves 300W

Mass production of regular 1500V modules

2016

Conversion efficiency of BYCIUM n-type mono cell

2018

Warranty for first-year maximum module power reduction $\leq 2\%$

Mass production efficiency of PERCIUM+ p-type mono cell achieves 23%

Power of new product DeepBlue 3.0 reaches a record high 545W

2020

Efficiency of BYCIUM+ n-type cell achieves 25.3%

DeepBlue 4.0 X was put into mass production with power up to 615W

First-generation liquid-cooled 2MWh utility-scale energy storage system, 93% efficiency

2022

Bycium+ cell sets world record in open-circuit voltage: 748.6 mV

Third-generation liquid-cooled 5 MWh utility-scale energy storage system

C&I DC-Coupling PV+BESS 120kW/232kWh system, 90% efficiency

Residential PV+BESS split system

2024



Branches Worldwide



JA Solar's sales and service network covers major global PV markets, providing high-efficiency and high-quality services to its global customers. Market layout based on demand ensures the steady progress of the company.

Strategic Partnerships



International Accreditations

JA Solar's products are accredited by international certification authorities.



Top Brand PV Seals

Won Top Brand PV Seal from EUPD Research for years consecutively in different countries and regions.



Full-cycle efficient service system

Integrated global logistic system

Global pre-sales and in-sales technical support

Close partnerships with major depots, ports, and carriers

Dedicated experts for complex issues and solutions

Global production + overseas warehousing

Diverse after-sales support channels

Reliable delivery and support for project sites

After-sales support available via website, WeChat, hotline, and email

16+

Global sales & service teams

24/7

Customer response mechanism

≥95%

Customer satisfaction

100%

On-time complaint response



Leader in Product Development & LCOE Reduction

JA Solar main products: n-type DeepBlue 4.0 Pro series modules

Product types	Product series	Number of cells	Single glass/ Double glass	Product models	 Mainstream power
n-type DeepBlue 4.0 Pro		72	Double glass	JAM72D42/LB	640-650
		66	Double glass	JAM66D45/LB	625-635
		54	Double glass	JAM54D40/LR	460-470
		54	Single glass	JAM54S40/LR	460-470
		72	Double glass	JAM72D40/MB	595-605
	OCEANBLUE	66	Double glass	JAM66D45/LB	625-635
	SKYBLUE	66	Double glass	JAM66D45/LB	625-635
	Anti-Dust	72	Double glass	JAM72D40/MB	595-605
	Anti-Dust	66	Double glass	JAM66D45/LB	625-635
	Desert	66	Double glass	JAM66D45/LB	625-635

Classic Global Projects

JA Solar sells its products to over 178 countries and districts including Asia, Europe, Africa, North America, Latin America, and Oceania. Its products are applicable in different conditions such as ground, water, sand, rooftop, etc., satisfying various demands of its clients.



25kW

Rooftop Distributed PV Power Plant in Shunyi, Beijing Location: Beijing Project: Residential rooftop PV power plant



20kW

Rooftop Distributed PV Power Plant in Taicang, Jiangsu Location: Taicang, Jiangsu Project: Residential rooftop PV power plant



16kW

Rooftop Distributed PV Power Plant in Curacao Location: Curacao Project: Residential rooftop PV power plant



400kW

Rooftop Distributed PV Power Plant in Devon, UK Location: Devon, UK Project: Residential rooftop PV power plant



85.6kW

Rooftop Distributed PV Power Plant at the UN Compound in Beijing Location: Beijing Project: Commercial and industrial rooftop PV power plant



2.03MW

Rooftop Distributed Power Plant of Beijing Daxing International Airport Location: Beijing Project: Commercial and industrial rooftop PV power plant



5MW

Rooftop Distributed PV Power Plant of Taiping Huogui in Qingdao Location: Qingdao, Shandong Project: Commercial and industrial rooftop PV power plant



5.9MW

Distributed PV Power Plant of Beijing Fengtai Station Location: Fengtai, Beijing Project: Commercial and industrial rooftop PV power plant



97kW

Distributed PV Power Plant of Mirassol Football Club Location: Brazil Project: Commercial and industrial rooftop PV power plant



1.5MW

Distributed PV Power Plant of Mercedes-Benz 4S Shop in Malaysia Location: Selangor, Malaysia Project: Commercial and industrial rooftop PV power plant



200kW

Distributed PV Power Plant of the Royal Palace in Sweden Location: Sweden Project: Commercial and industrial rooftop PV power plant



695kW

Distributed PV Power Plant of Vergelegen Mediclinic in Africa Location: Western Cape, South Africa Project: Commercial and industrial rooftop PV power plant



111MW

PV Project in USA Location: Utah, USA
Project: Ground-mounted PV power plant



32MW

Solar-Plus-Storage Project in Japan Location: Hokkaido, Japan
Project: Ground-mounted PV power plant



93MW

93MW Solar-Wind Hybrid Project in South Korea Location: Yeongam-gun, South Korea
Project: Solar-Wind Hybrid Project



67MW

PV Project in Jordan Location: Jordan
Project: Ground-mounted PV power plant



615MW

Huanghe Hydropower 615MW UHV Transmission Project Location: Qinghai, China
Project: Ground-mounted PV power plant



550MW

Loc Ninh 550MW PV Project Location: Loc Ninh, Vietnam
Project: Ground-mounted PV power plant



54MW

Kaposvar 54MW PV Plant Location: Kaposvar, Hungary
Project: Ground-mounted PV power plant



1.5MW

Sierra Brava 1.5MW Floating PV Plant Location: Extremadura, Spain
Project: Floating PV power plant



58.5MW

Egat 58.5MW Hydro-Floating PV Hybrid Project Location: Ubon Ratchathani, Thailand
Project: Floating PV power plant



1GW

Yalong River Kola Phase 1 Ground-mounted PV Project Location: Yajiang, Sichuan
Project: Ground-Mounted PV power plant



39MW

39MW Demonstration PV Project in Cambodia Location: Banteay Meanchey, Cambodia
Project: Ground-mounted PV power plant



4.8MW

Varberg Norra 4.8MW PV Project Location: Varberg, Sweden
Project: Ground-mounted PV power plant