

## Jetion Solar (China) Co., Ltd.

### China - Headquarters

Jetion Solar (China) Co., Ltd.  
No. 1011, Zhencheng Road, Shengang, Jiangyin,  
Jiangsu Province 214443, P. R. China  
Tel: +86 510 8668 7300  
Fax: +86 510 8668 7315  
Email: marketing@jetion.com.cn

### Global Branches

#### Liechtenstein

Jetion Solar (Europe) Ltd.  
Industriering 10, FL - 9491 Ruggell, Liechtenstein  
Tel: +423 265 3830  
Fax: +423 265 3839  
Email: marketing@jetion.com.cn

#### Italy

Jetion Solar (Europe) Ltd.  
Viale dell'arte 19/A 00144 Roma Italy  
Tel: +39 064814040  
Fax: +39 064870559  
Email: Jetionsolareuropeltd@pec.it

#### Thailand

Jetion Solar (Thailand) Co., Ltd.  
Room 1602, 202 Le Concorde Tower, Ratchadaphisek Road,  
Huay Kwang District, Bangkok 10310 Thailand  
Tel: +66 2024 8702-4  
Fax: +66 2024 8705  
Email: marketing@jetion.com.cn

www.jetionsolar.com

### Manufacturing Facilities

#### CNBM (Jiangyin) Photoelectric Material Technology Co., Ltd.

New material Industry Park, Huangtu, Jiangyin, Jiangsu  
Province 214443, P. R. China

#### Jiangyin Fab - China

No. 1011, Zhencheng Road, Shengang, Jiangyin, Jiangsu  
Province 214443, P. R. China

#### Haian Fab - China

Haian Industry Park, Haian, Nantong, Jiangsu Province  
214443, P. R. China  
Tel: +86 513 8878 5988

#### Tongcheng Fab - China

Beisan Road, Tongcheng Economic Development Zone,  
Tongcheng, Anhui Province, P. R. China

#### Chonburi Fab - Thailand

Jetion Solar (Thailand) Co., Ltd.  
83/44 Moo 10 Tambol Nongkham, Amphur Sriracha,  
Chonburi 20230 Thailand

Jetion Solar company brochure 2024\_05\_Rev\_EN



# JETION SOLAR

## COMPANY BROCHURE



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## VISION

Reshape the world with unlimited solar energy.

## MISSION

Empower the society with sustainable green energy,  
create a better world.

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# CNBM

## NOT JUST A BUSINESS GROUP, BUT ALSO NATIONAL CORNERSTONE

China National Building Materials Group Corporation (CNBM) was established through the merger of the China National Building Materials Group Corporation and China National Materials Group Corporation, with approval from the State Council, and then became a Central Enterprise under direct supervision of State-owned Assets Supervision and Administration Commission of the State Council. CNBM is the largest comprehensive building materials industry group in the world, and a leading new materials developer and integrated service provider throughout the world. It has been listed in the Fortune Global 500 for thirteen consecutive years.

Upholding the philosophy of "creating a better world with materials", CNBM is dedicated to fostering the concepts of "forging a nation with the spirit of greatness and the finest materials", "smart use of resources, services for construction", and adhering to the strategies of "development driven by innovation, empowered by reform, facilitated by internationalization and guided by Party building". CNBM is committed to building a world-class industrial investment group specializing in the material industry with global competitiveness.



# CNBM

## THREE CORE BUSINESS

**BASIC BUILDING MATERIALS**  
 Cement, "Cement +" Business

**NEW MATERIALS**  
 Light Weight Building Materials, Fiberglass, Carbon Fiber, New Glass Materials, Wind Turbine Blades, Lithium Battery Separator, Advanced Ceramics, Artificial Crystals

**ENGINEERING & TECHNICAL SERVICES**  
 Overseas investment, Engineering construction, Extensive R&D services, Testing & Certification, "Vehicle Calling" Intelligent Logistics Platform, Cross-border e-commerce

- 14**  
Listed companies  
(2 oversea listed)
- 26**  
National scientific  
research & design  
institutes
- 11**  
National labs &  
technology centers
- 10**  
Academician  
Workstation
- 17**  
National standardization  
technical committees
- 18**  
National enterprise  
technology centers



**THE WORLD'S LARGEST**  
 comprehensive building  
 materials group

**WORLD NO. 1**

**Cement** engineering technology service

**Glass** engineering technology service

**30 GW** Turbine Blades  
production capacity

**3.5 million tons** Fiberglass  
production capacity

**500 million tons** Cement Clinker  
production capacity

**400 million m<sup>3</sup>** Ready-mix Concrete  
production capacity

**3.36 billion m<sup>2</sup>** Plasterboard  
production capacity

### LEADING PRODUCER

- Carbon Fiber
- Thin-film solar
- New Glass Materials
- Float Glass
- Lithium Battery Separator
- Ultra-thin electronic glass
- UHV electrical porcelain
- Advanced Ceramics and Artificial Crystals

# JETION SOLAR

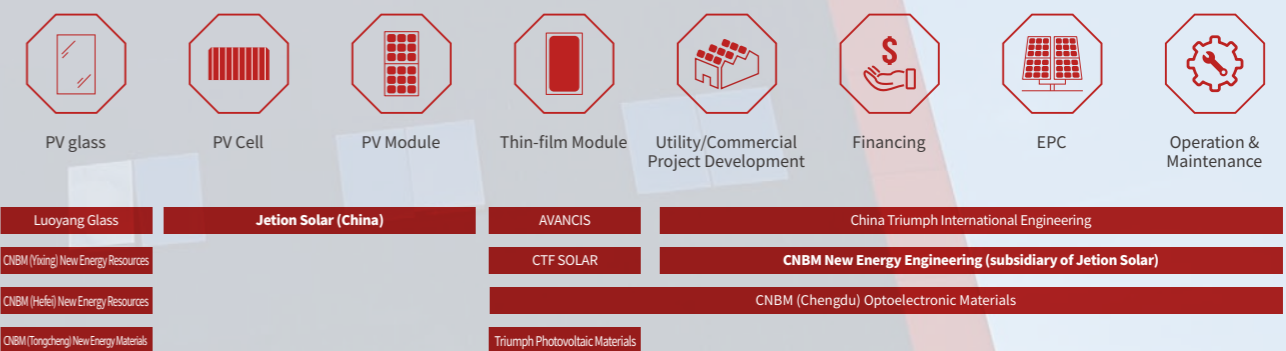
## A WORLD-CLASS SOLAR PRODUCT MANUFACTURER

As a world-class solar products manufacturer, Jetion Solar specializes in research, development, production, and sales of solar PV products. Since its foundation in 2004, Jetion Solar has accomplished significant achievements which outpaced most of our main competitors in terms of production capacity and in the number of innovative designs. Jetion Solar upholds its belief that innovation is the key driver behind advancement by pursuing new technologies and higher efficiencies.

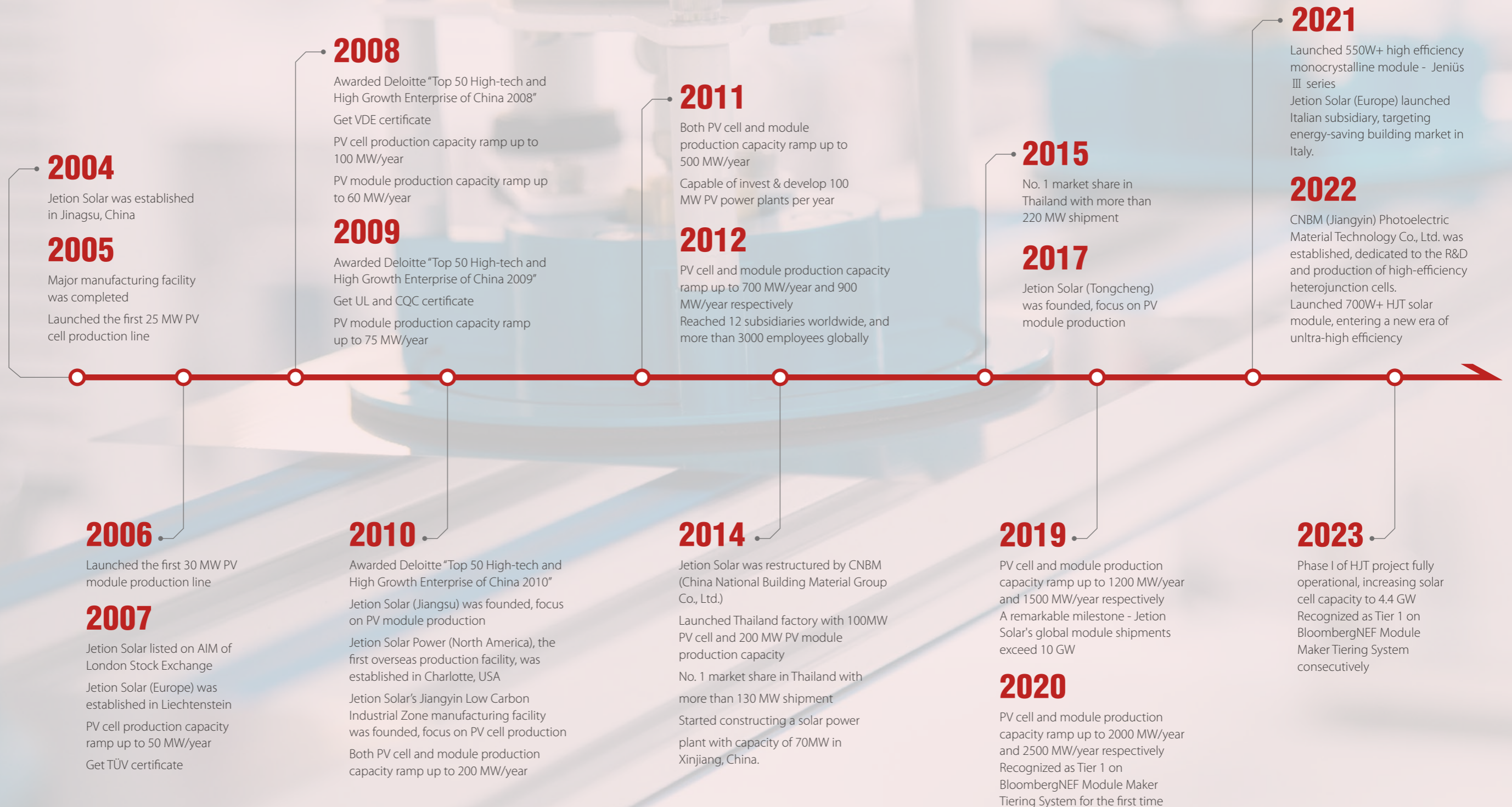
In 2014, Jetion Solar joined CNBM (China National Building Materials Group Corporation) to better extend our value chain. So far more than 17 GW Jetion Solar's products have been widely applied in over 60 countries and regions, earning a coveted "Tier 1" rating on BloombergNEF Module Maker Tiering System. And as backed by CNBM, Jetion Solar also provide global EPC service and project financing. Currently, Jetion Solar has an annual production capacity of 4.4 GW of cells, 2.5 GW of modules with 5 manufacturing plants in both domestic and Thailand. Furthermore, there are plans for an additional 2.6 GW of HJT cells. Jetion Solar serves worldwide customers with high-quality products and professional services.

### CNBM's Solar Value Chain

From raw materials to project development, CNBM provides the whole PV value chain integration.



# AMAZING DECADES



**26%+**  
Cell Efficiency**284**  
Patents**150+**  
Global R&D Engineers**CTF Lab**  
Accredited by TÜV SÜD Germany**CNAS Lab****WMT Lab**  
US Accredited by CSA

## LEADING TECHNOLOGY

With a full array of exciting solar energy technologies, Jetion Solar's strong innovation continues to help customers to meet their goals. From utilities to commercial and industrial customers, we work with the unique needs of each customer, site, and application to deliver the right products and services.

Jetion Solar has been investing continuously in solar product innovations by upgrading our laboratory equipment and employing promising R&D talents. Our emphasis on product innovation has allowed us to remain at the technological forefront of the solar PV industry.

## QUALITY MANAGEMENT

Stringent quality control is the cornerstone of Jetion Solar's manufacturing. Our customers have come to expect uncompromising quality standards in our products. To meet this expectation of high quality, we continue to invest in state of the art equipment and professional training of our employees. We are proud of our product quality and their reliable performance even in the most extreme conditions.

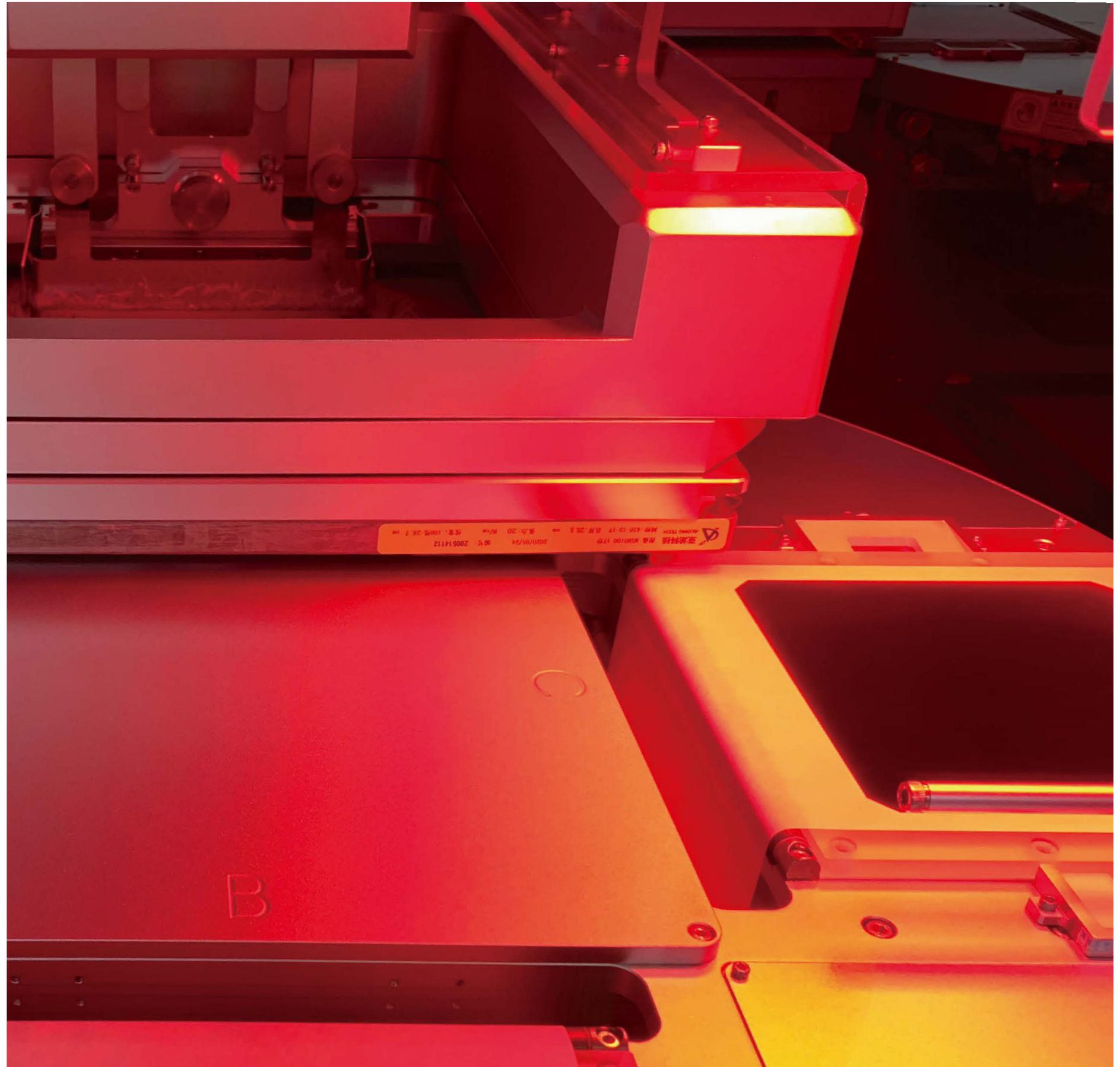
Jetion Solar has received certifications :

- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety
- IEC 62941: Quality Management System

Jetion Solar (Tongcheng) has received certifications :

- ISO 50001: Energy Management System

### Certificates





## MANUFACTURING EXCELLENCE

Jetion Solar produces quality ensured cells and a wide range of PV modules suitable for all system types: residential, commercial, industrial, and utility. And all Jetion Solar's modules have proven their high performance and lasting reliability in the field, where it matters the most.

Besides, our manufacturing execution system enables us to keep the balance through all the processes, including production scheduling, stock control, production and products delivery. We are committed to collaborating with R&D, production and sales & marketing with real-time and cross-regional communication.

**2 GW**

PERC CELL CAPACITY

**2.4 GW**

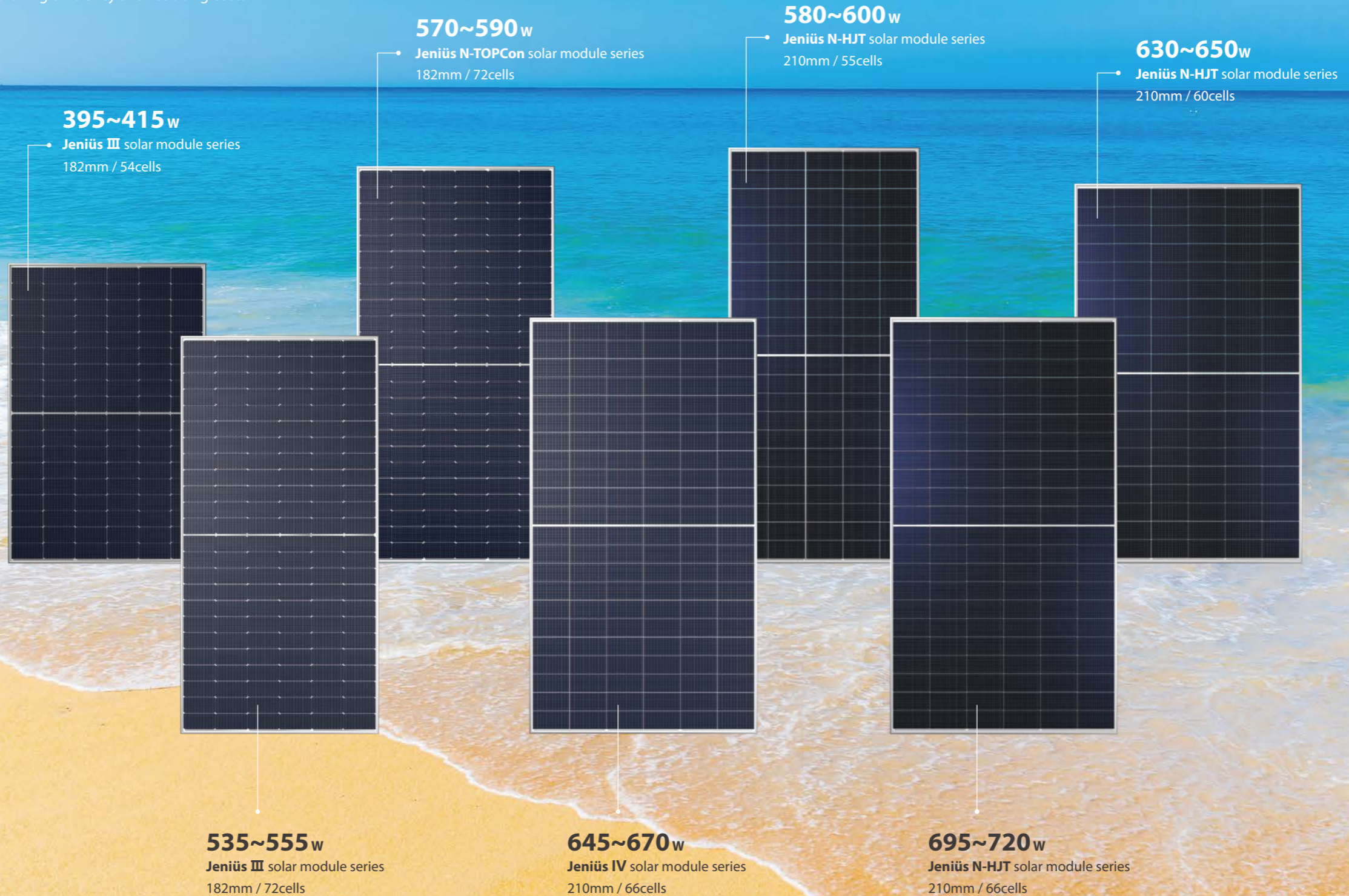
HJT CELL CAPACITY

**2.5 GW**

MODULE CAPACITY

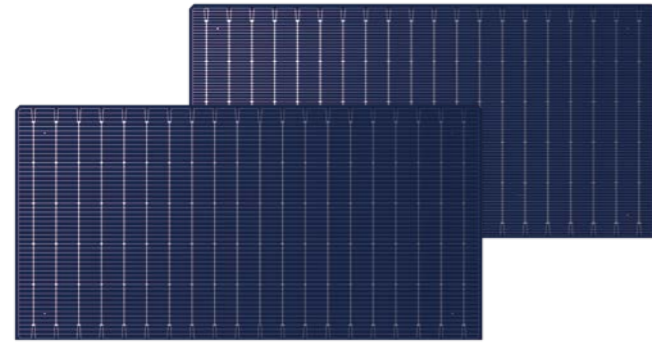
# Jeniüs high efficiency monocrystalline series

Aligned with the core principle of creating maximum value for customers, Jetion Solar continuously upgrades the product lines to ensure that each series effectively contributes to improving efficiency and reducing costs.



# HJT CELLS & MODULES

The theoretical efficiency of HJT cells stands at an impressive 27.5%, marking them as one of the solar industry's premier cell technologies today. Jetion Solar is fully committed to the HJT technology pathway, and has successfully elevated mass production efficiency through the employment of numerous core technologies, including wafer absorption, high cleanliness cleaning, intrinsic amorphous silicon passivation, doped layer microcrystalline silicon, MBB and half cut.



**11.25<sub>W</sub>**

Maximum power for mass production

**26.4%**

Maximum efficiency for mass production

<b>wafer</b>	N-type wafer
<b>Dimension</b>	210×105±0.25mm
<b>thickness</b>	110±20μm
<b>busbars</b>	0BB/12BB/20BB

**720<sub>W</sub>**

**Jeniüs N-HJT**  
ultra-high efficiency series



High bifaciality



Extreme temperature coefficient



Lower LID & PID



Excellent low light performance

### JT 630-650 S1k(B)

<b>Maximum Power Pmax (W)</b>	630	635	640	645	650
<b>Module Efficiency (%)</b>	22.3%	22.4%	22.6%	22.8%	23.0%
<b>Dimensions / Weight</b>	2172×1303×35 mm / 35.3kg				
<b>Number of Cells</b>	120 [2 x (10 x 6)]				

For more versions, please visit: [www.jetionsolar.com](http://www.jetionsolar.com)

### JT 695-720 SLk(B)

<b>Maximum Power Pmax (W)</b>	695	700	705	710	715	720
<b>Module Efficiency (%)</b>	22.4%	22.5%	22.7%	22.9%	23.0%	23.2%
<b>Dimensions / Weight</b>	2384×1303×35 mm / 38.4kg					
<b>Number of Cells</b>	132 [2 x (11 x 6)]					

The specification described in this document may deviate slightly. Jetion Solar (China) Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice.

# PROJECT TRACK RECORDS

## OUR RELIABILITY IS PROVEN BY OUR RESULTS

Our accomplishments have taken us from the Pacific Rim to the Europe and Americas. That growth stems from our persistent technology innovation in the past 19 years. And in fact that we deliver integrated, efficient solutions across the entire value chain, including PV products, global EPC services and project financing.



1  
**219 MWp**

 **Riccardo Totta PV Plant (solara4)**  **Alcoutim, Portugal**

Riccardo Totta PV plant is the largest in Portugal, and among the largest unsubsidized projects built so far in Europe. Jetion Solar supplied more than 660,000 pieces of JT PAg polycrystalline PV modules. It will generate enough energy to power 200,000 homes after connected to the grid in October, 2021.





2

98 MWp


Titan Solar 1

California, USA

The 98 MWdc Titan Solar 1 Energy Project is situated on a 569-acre parcel in Imperial County, California, and achieved the commercial operation date in Dec, 2020. The project will generate over 218,000 MWh per year, which is enough to power over 26,900 homes annually.



4

86 MWp


Alpha

Poland

Alpha project is a special portfolio PV project, which consists of 86 individual 1MW PV plants spread across Poland. The project contributes actively to helping Poland towards carbon neutral energy, and achieved the commercial operation date in June, 2022.



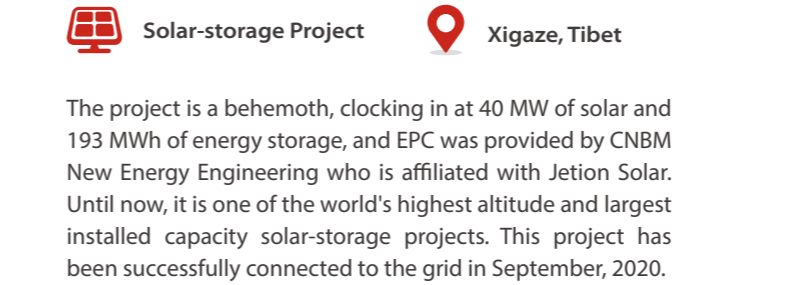
3



183.57 MWp


Puerto Real 1&2

Cádiz, Spain

Puerto Real project with a total planned capacity of 223 MW is one of the largest unsubsidized utility-scale solar power plants currently constructed in Spain. Puerto Real 1&2 comprise more than 500,000 pieces of PERC modules supplied by Jetion Solar, and it has been officially connected to the grid in March, 2021 and October, 2022 respectively.




Solar-storage Project

Xigaze, Tibet

The project is a behemoth, clocking in at 40 MW of solar and 193 MWh of energy storage, and EPC was provided by CNBM New Energy Engineering who is affiliated with Jetion Solar. Until now, it is one of the world's highest altitude and largest installed capacity solar-storage projects. This project has been successfully connected to the grid in September, 2020.



5

40 MWp


Minbu PV Plant

Minbu, Myanmar

Minbu PV Plant is the first utility-scale and also the largest PV project in Myanmar. It covers about 200 acres and will supply power to over 60,000 households in Magway with any excess power fed into Myanmar's national grid. The project has been successfully connected to the grid in June, 2019.



6

50 MWp


Minbu PV Plant

Minbu, Myanmar

Minbu PV Plant is the first utility-scale and also the largest PV project in Myanmar. It covers about 200 acres and will supply power to over 60,000 households in Magway with any excess power fed into Myanmar's national grid. The project has been successfully connected to the grid in June, 2019.

# ACHIEVEMENT SPEAKS FOR ITSELF

We continuously expand our business and promote our latest technology and products, to strengthen our leading position in the PV industry.

## FORTUNE 500

Ranked #247 in 2023

CNBM - Jetion Solar's parent company has been listed in FORTUNE Global 500 for 13 consecutive years, with ranking from #485 in 2011 to #247 in 2023.

26.4 %

Cell efficiency

Jetion Solar R&D team applies self-developed core patented cell technologies, such like phosphorus gettering, high cleanliness cleaning, i-a-Si passivation,  $\mu\text{c-Si}$  thin film, etc., and expected to realize mass production of cell efficiency with more than 26.4%.

## TIER 1

Ranked by **Bloomberg**  
New Energy Finance

Jetion Solar is recognized as Tier 1 PV module manufacturer by BloombergNEF PV Module Maker Tiering System. With solid bankability, Jetion Solar is your reliable world-wide partner.

284

Patents

Jetion Solar continues to lead the cutting-edge photovoltaic technology, with forward-looking vision and advanced technology to promote industry transformation and upgrading.

## TOP 20

Global PV capacity

Jetion Solar has 4.4 GW of cell and 2.5 GW of module capacity with factories in China and Thailand. Furthermore, there are plans for an additional 2.6 GW of HJT cells.

17 GW+

Cumulative module shipment

Since 2005, Jetion Solar has shipped more than 17GW of photovoltaic modules globally.  
(Note: \*Data as of the end of 2023)

## TOP 50

Ranked by **Deloitte**  
Technology Fast 50

Awarded Deloitte "Top 50 High-tech and High Growth Enterprise of China" for 3 consecutive years.

60 +





Countries and regions

As of 2023, Jetion Solar's products have been widely applied in over 60 countries and regions in Europe, Asia Pacific, America and Africa.

# GLOBAL PRESENCE

As a world's leading renewable energy solution provider, we will continue to expand our global network, including production, R&D, logistics, sales and service networks to meet the customers' needs around the world.



-  Headquarter
-  Manufacturing Plants
-  Branches & Offices
-  Warehouses

## **SUSTAINABLE DEVELOPMENT**

As a pioneer and leader of solar industry, Jetion Solar plays an important role in sustainable development. We are committed to contributing the society with green energy, and we expect Jetion Solar could bring lasting and positive impact for the human beings.

