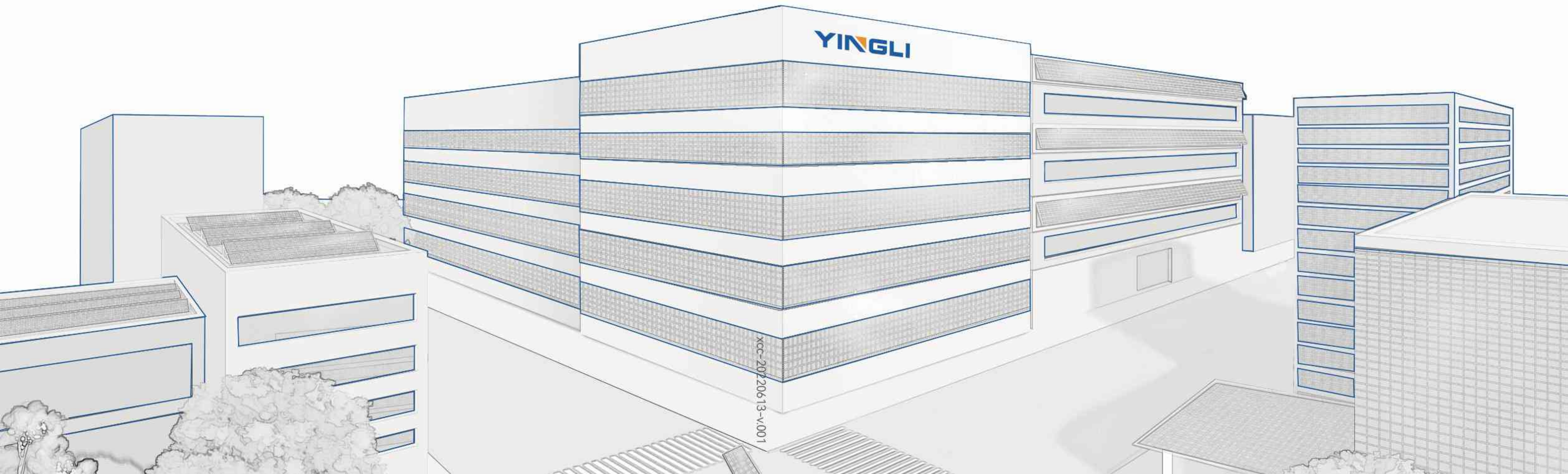


英辰能源
YC SOLAR

Address: No. 88, Hengyuan West Road,
National High Tech Zone, Baoding, China
Tel: 400-666-7111

 Generative paper

英辰能源
YC SOLAR



Manufacturing is the foundation of a country and the basis of a strong nation.

President Xi pointed out that: "We have to make effort to promote the transformation of made in China into created in China, the transformation of speed China into quality China and the transformation of Chinese products into Chinese brands.", which showed clearly the direction for the high-quality development of our country's manufacturing sector.



PV industry nova, Quality wins future
YC Solar



YC Solar

Adhering to the mission of "Affordable Green Energy for All", we combine the advanced photovoltaic technology with intelligent manufacturing technology, focus on the creation of technology, promote the global carbon-free development by producing efficient crystalline silicon photovoltaic products and offering the solution for green energy resources.

Intelligent Manufacturing in YC SOLAR

The most intelligent photovoltaic production line.
Leading efficiency and qualification rate.

Driven by advanced technology and process.
LEAN, Flexible, Intelligent manufacturing.

Continuous Leadership Create a New Pattern of Photovoltaic Industry

Exploration era of China's photovoltaic industry

(1993--1998)

In January 1993, we entered the solar photovoltaic power generation industry and started the journey of exploration of China's photovoltaic industrialization with a solar neon light.

Start-up era of China's photovoltaic industry

(1999--2006)

In 1999, we undertook China's first "Demonstration project of industrialization of polysilicon solar cells and application systems with an annual output of 3 MW", and fill the gap of domestic photovoltaic commercial production.

Era of China's photovoltaic brand

(2007--2019)

As the official sponsor of 2010 and 2014 World Cup, we made Chinese brands and Chinese characters appear at the global sports festival for the first time.

At the year of 2011, we became the only enterprise of photovoltaic area with 2 state key laboratories.

Rank consecutive two years for No.1 in terms of global shipments in 2012 and 2013

Era of succeeding by quality for China's photovoltaic industry (began in 2020)

2020.10

At the year of 2020, we created the brand of YC SOLAR. The intelligent photovoltaic production line with the largest capacity per line in China has been put into operation.



Profound Accumulation Create the New Paradigm of Intelligent Photovoltaic Production

YC SOLAR is based in Baoding, Hebei, China.
Our business covers the R&D, design, production and sales of high-efficiency crystalline silicon photovoltaic modules.
6GW high-efficiency photovoltaic module digital intelligent production line has been put into operation.



25GW+

More than 25GW of solar modules produced and delivered worldwide



10GW+

More than 10GW of EPC project.



100+

Our product covers more than 100 countries.



Advance Bravely Establish a new benchmark of photovoltaic products with high quality

YC SOLAR established the first CQM quality strategic management system in photovoltaic industry.
Quality management strategization, Quality strategy systematization
Strict quality control standards for all processes.
Quality and service closed-loop management.

By integrating advanced technology and focusing on precision manufacturing, YC SOLAR provides various product choices and joins hands with you to set sail towards the stars ocean of new energy.



Innovation and Energization
Quality wins the future of zero-carbon development

National platform • Continuous technological innovation • Promote the upgrading of photovoltaic industry



4 national innovation platforms



3.5 billion
Cumulative R & D investment

2644
patent applications

2231
authorized patents

13
PCT patents

Collaborative innovation of industrial chain



6 industry advanced technologies

YC SOLAR have introduced advanced equipment and leading technology in the industry with high standards, integrated low temperature anhydrous nondestructive slicing technology, large scale silicon wafer, multi bus bar, half-cut, dual glass, bifacial power, micro gap welding, Structural ribbon and so on, representing the first-class technical level and manufacturing process in the industry, ensures that the efficiency, performance and reliability of our products reach the industry-leading level.

The largest capacity of single line production in China

The designed capacity of our single production line reaches 1GW, which is twice the average level.

Industry's highest compatibility of product

The production line can be compatible with the single / dual glass photovoltaic modules of the most advanced PERC cells, N-type TOPCON cells and HIT cells, as well as the green building materials production of BIPV. More than 70 compatible product categories.

The most comprehensive application of AI quality control

Five quality control procedures are designed on the whole production path of a series of inspection including IQC-IPQC-OQC to realize AI aided judgment, big data collection & analysis and industrial cloud technology aided storage & control, so as to ensure the product quality.



25 years of PV manufacturing experience Long-term and stable cooperation of supply chain

With Yingli group's first mover advantage and layout of deep cultivation in the global photovoltaic field, YC SOLAR has established a long-term and stable cooperative relationship with the upstream and downstream of the supply chain to ensure the long-term stability and reliability of the quality of various materials required for modules. At present, our high-efficiency photovoltaic modules have been unanimously recognized by major customers at home and abroad, and we have established cooperative relationship with Sinopec, CGN, Beijing Jingneng, Guokai New Energy, State Grid Comprehensive Energy, State Power Investment, CNNC China Huaneng and other high-quality enterprises. Promoting the green and low-carbon transformation.



Cooperative partner




 **700W+**
Maximum power

 **70+**
Compatibility PERC/Top-con/HJT/BIPV

 **Linear Warranty**
Linear output power warranty for 25/30 years (Single/Dual glass.)

 **0-5W**
Power tolerance

 **12years**
Product warranty

 **21.5%+**
Module Efficiency

YCM series

Covering the whole series of 182mm and 210mm cells products, with high power, high reliability, high power generation income and low attenuation. The power includes 500W+, 540W+, 550W+, 600W+, 670W+ and 700W+, the maximum efficiency can reach 21.6%, which can meet all needs of customers.

YC Solar products



Bifacial

Bifacial power generation



High Power Density

Advanced technology to reduce the loss caused by resistance, realize high power output



Power attenuation

Power attenuation of first year: $\leq 2\%$

Power attenuation per year after first year: $\leq 0.55\%/0.45\%$ (Single/Dual glass.)



Durability

MBB design and non-destructive cutting technology can effectively reduce the risk of microcrack and discontinued grid.



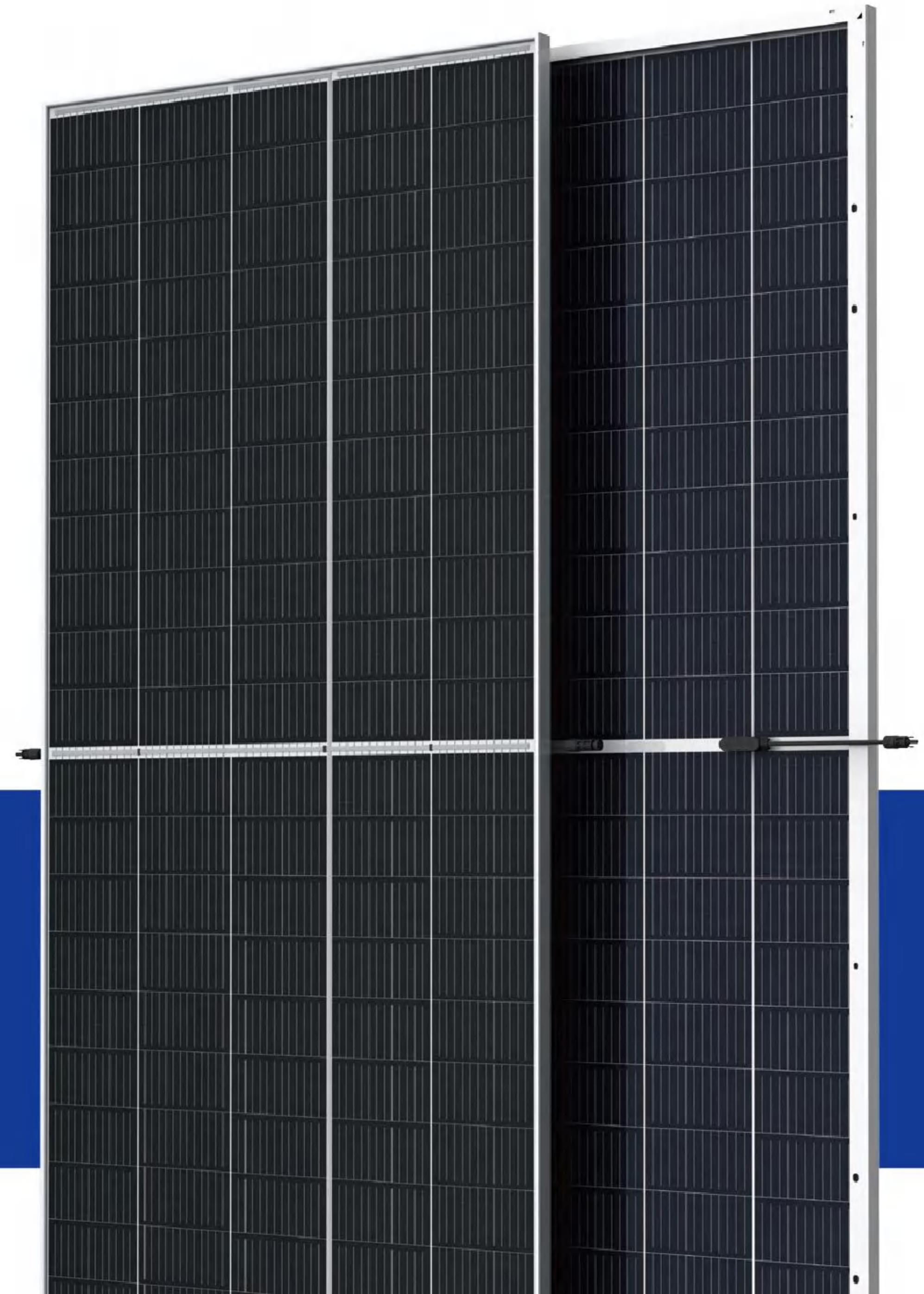
Low loss design

Half-cut cell makes the outdoor operating temperature and temperature of hot spot of the module low to reduce loss, and the loss is smaller when under the shadow.

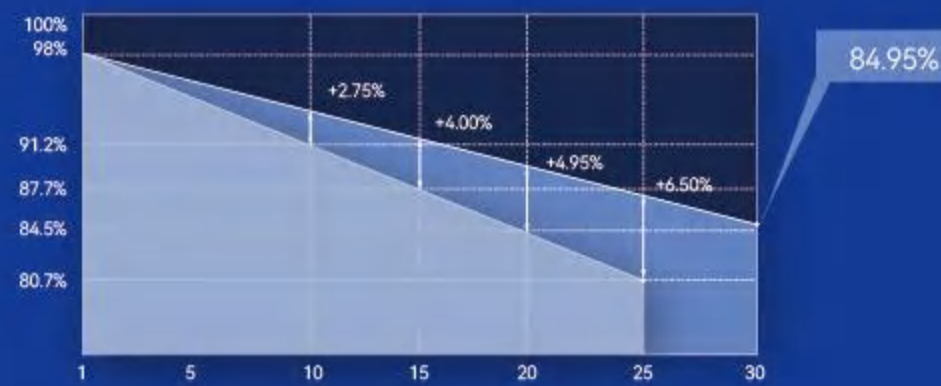


Large cell

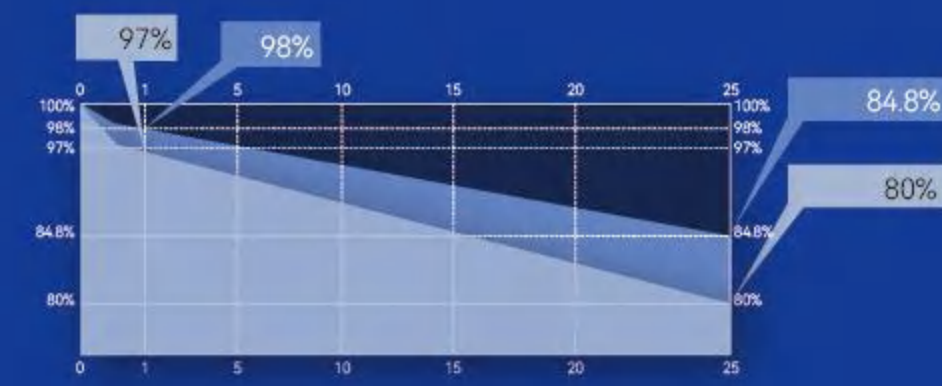
The design of large cell can effectively increase the peak power of photovoltaic modules, better LCOE.



Linear Performance Warranty(30years)



Linear Performance Warranty(25years)



YC Linear Performance Warranty
Standard Linear Performance Warranty



Quality first
AI visual inspection and artificial aided recognition
Misjudgment rate $\leq 2\%$ Far lower than the manual misjudgment rate

Comprehensive application of quality control by AI



The highest level of intelligent production line in the industry
First GW-level intelligent production line in China



AGV intelligent material transfer



AI visual inspection



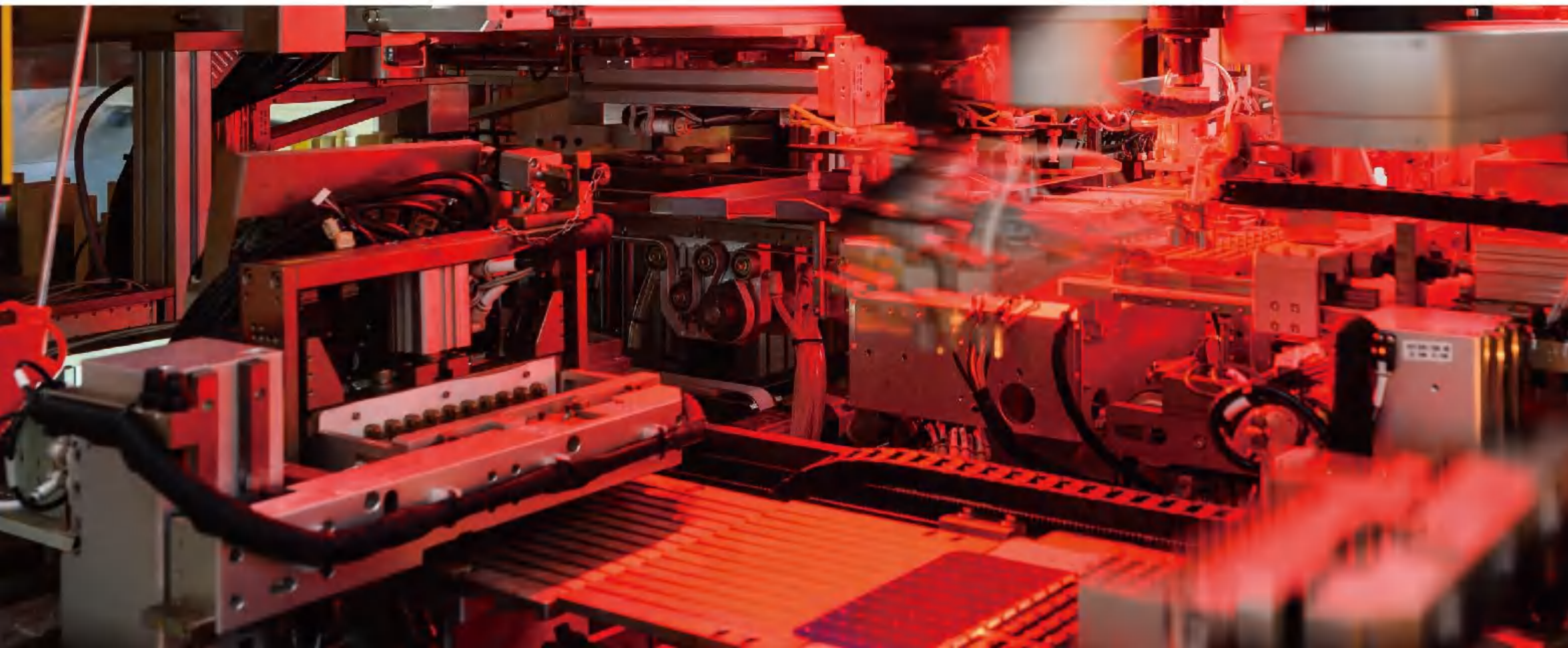
Best MES manufacturing execution system



WMS warehouse management system



High-power solar module with innovative technologies
The size covers (1500-2650) mm × (986-1400) mm , the maximum output power can reach 700+W.



Perfect quality control system

YC SOLAR have a perfect quality management and certification system, and our products have been supplied in a large scale to the "Top Runner" advanced technology modules and a number of domestic renewable energy base projects.

Comprehensive system and product certification:

ISO9001:2015

ISO45001:2018

ISO14001:2015

TUV、CQC、IEC





3 systems throughout the whole chain
QC system · Distribution system · Quality tracking system

Based on the quality strategy, making efforts to build the brand of YC SOLAR and service system, focus on internal and external circulation, comprehensively promote the upgrading of product and service quality, Quality wins the future of zero-carbon!

Service of YC SOLAR

Customer-centric
Innovation-driven Quality first
Full chain quality system • Full life cycle service

YC SOLAR based at China and facing the world, relying on Yingli group's 26 provincial companies, 1156 authorized service outlets and the technical service team with more than 20 years of experience in the solar energy industry, we continues to improve the service network and service process to ensure that service follow product. Providing professional pre-sales technical support, effective after-sales technical solutions to maximize customer's satisfaction.



24h to respond



48h to resolve



Successful cases

From the Gobi Desert to the prosperous cities, from the northern mountainous areas to the Southern Hills, from the inland desert to the coastal beaches
Where there is sunshine, there is YC SOLAR, and where there is YC SOLAR, there is green energy.
YC SOLAR is making more people enjoy the beauty and convenience brought by clean energy with advanced technology and better price.



Shanxi Datong Photovoltaic Solar Power Plant Project



Hebei Zhangjiakou Photovoltaic Solar Power Plant Project



Shandong Tai'an Photovoltaic Solar Power Plant Project



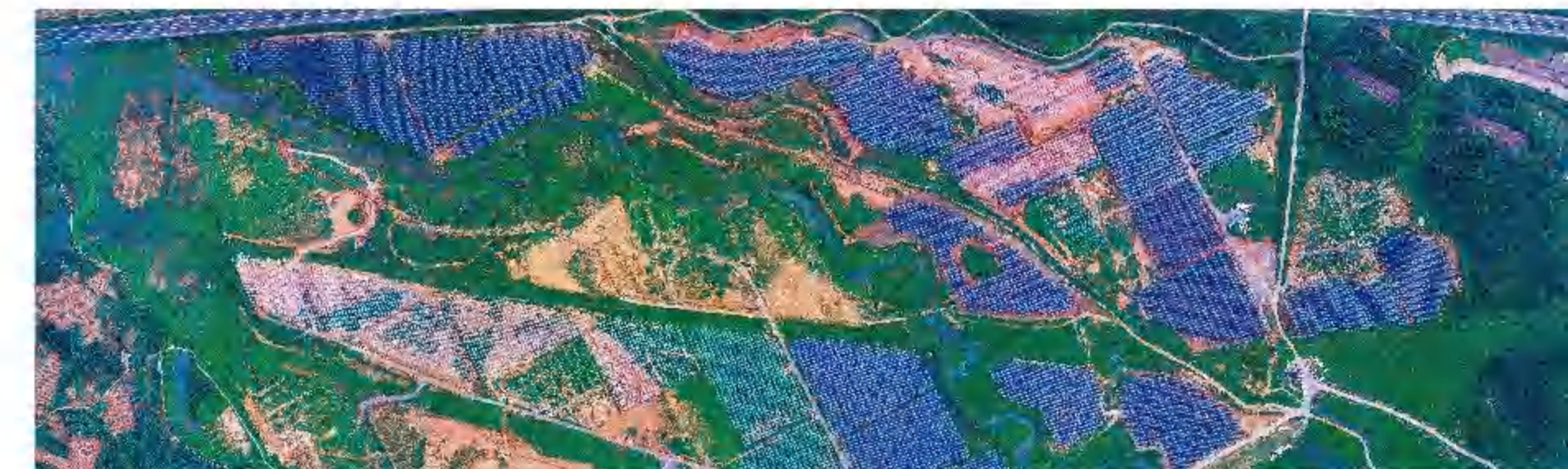
Hebei Baoding Mountainous Solar Power Plant Project



Qinghai Golmud Solar Power Plant Project



China Power Valley Low Carbon Park BIPV Project



Guangxi Long'an Agricultural Complementary Solar Power Plant Project