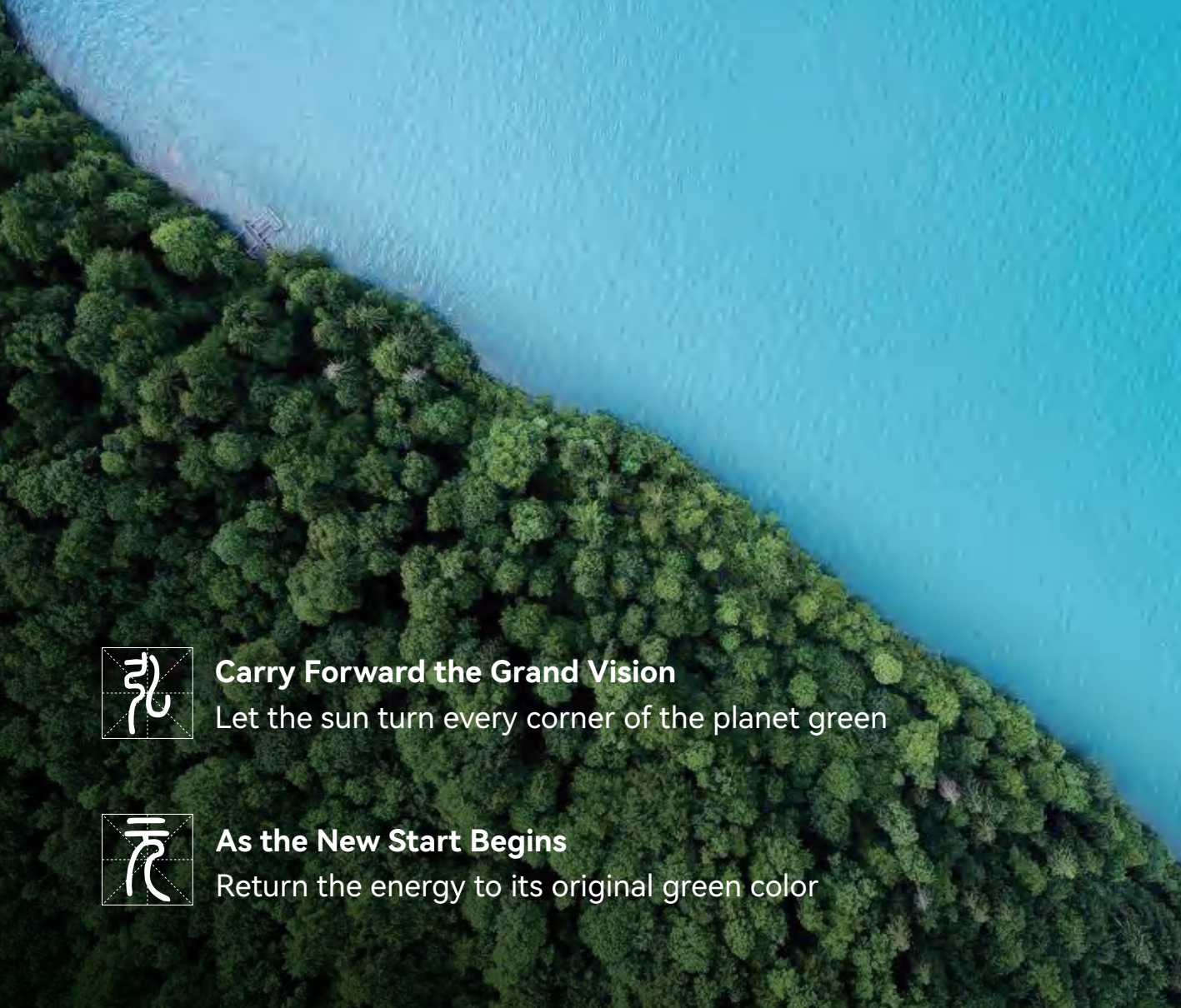




All in One
All in Control

www.hysolar.com





TO MAKE ENERGY **CLEANER**
TO MAKE THE WORLD **BETTER**



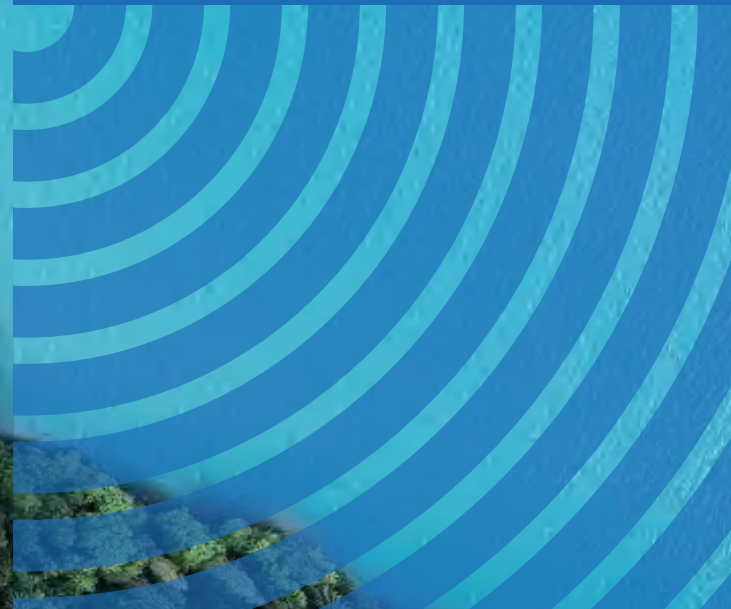
Carry Forward the Grand Vision

Let the sun turn every corner of the planet green



As the New Start Begins

Return the energy to its original green color





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Company Profile

About HY SOLAR

Hongyuan Green Energy Co., Ltd. (referred to as HY SOLAR) was founded in 2002, with its global headquarters in Wuxi, China. The company was listed on the main board of the Shanghai Stock Exchange in 2018 (stock code: 603185). As a global green energy innovation industrial group, its core businesses span three major sectors: high-end equipment, the full photovoltaic (PV) industry chain, and energy storage. Through comprehensive vertical integration and technological innovation, the company has built a core competitive edge in the global green energy industry.

With nearly RMB **30** billion in total assets, the company operates six modern industrial bases across key regions such as Inner Mongolia and Jiangsu. Its large-scale production capacity includes **150,000** metric tons of industrial silicon, **100,000** metric tons of polysilicon, **55GW** of silicon wafers, **26GW** of PV cells, **26GW** of PV modules, and **5GWh** of energy storage. This enables fully vertically integrated PV production and coordinated development across full-scenario energy storage applications. In 2026, the company joined forces with Suntech to enhance industrial chain collaboration and technological innovation, accelerating its international strategic expansion. Regional headquarters have now been established in Singapore, Germany, the UAE, Australia, Brazil, and other countries, with business operations covering nearly 100 countries and regions worldwide — creating an international operating system rooted in local markets and radiating globally.

Leveraging its leading industrial footprint, robust technological capabilities, and sustainable development strength, the company has been repeatedly recognized on authoritative lists such as the China Top **500** Manufacturing Enterprises, Global Top **500** New Energy Enterprises, and Hurun China Top **100** Private Energy Companies. It has also received honors including the Forbes China Sustainable Innovation Enterprise Award, with its brand influence and industry standing solidly positioned at the forefront of the global green energy sector.

Looking ahead, HY SOLAR will deeply implement its “Technology-driven HY, Smart Service” development strategy, uphold the corporate vision of “**Making energy cleaner, Making the world better**” and drive industrial upgrading through technological innovation. With a global footprint powering a green future, the company is committed to becoming a world-class new energy innovation group defined by technological empowerment, green leadership, and smart synergy — contributing HY SOLAR’s strength to the global energy transition and sustainable development.



Strategic Path

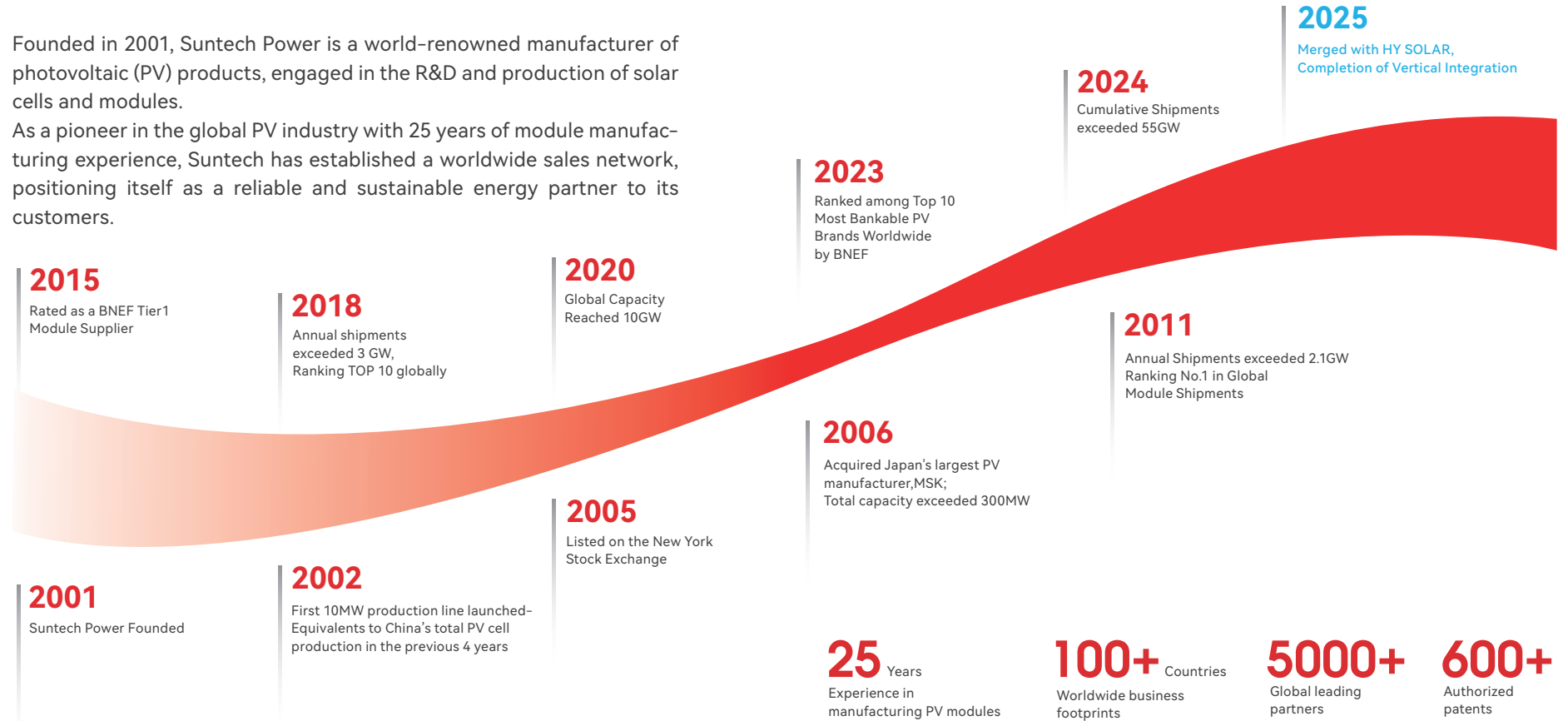
HY SOLAR has been deeply engaged in the photovoltaic industry for over 20 years, focusing on innovation and application in the new energy sector. It has built the most comprehensive N-type photovoltaic integrated industry chain.

HY 1.0 2002-2018 High-end PV Equipment Leader	HY 2.0 2019-2021 A New PV Materials Specialized Manufacturer	HY 3.0 2022-2025 Deeply Vertically-integrated PV Service Provider	HY 4.0 2026-Future Global Leader in Green Energy Ecosystem
<p>2002 Establishment of Wuxi Shangji Grinder Co., Ltd.</p> <p>2004 Entry into the solar industry, engaging in the manufacturing of equipment for crystalline silicon</p> <p>2018 Wuxi Shangji Automation was listed on the SSE with stock code of 603185</p>	<p>2019 Establishment of HONGYUAN New Material (Baotou) Co., Ltd. Entry into PV monocrystalline silicon industry</p> <p>2020 Expansion of monocrystalline silicon production capacity to 8GW per year</p> <p>2021 Expansion of monocrystalline silicon production capacity to 10GW per year</p>	<p>2022-2025</p> <ul style="list-style-type: none"> • Metallurgical-grade silicon: 150 kt/a annual capacity • High purity crystalline silicon: 100 kt/a annual capacity • Monocrystalline silicon wafer: 55GW annual capacity • N-TOPCon PV cell: 26GW annual capacity • N-TOPCon PV module: 26GW annual capacity • Expand energy storage business 	<p>2026-Future</p> <ul style="list-style-type: none"> • Synergized Solar-Storage New Energy Ecosystem • Integrated Solutions for New Industry Scenarios & Demands • Long-termism-driven Win-win Value Model for Industry Chain Partners

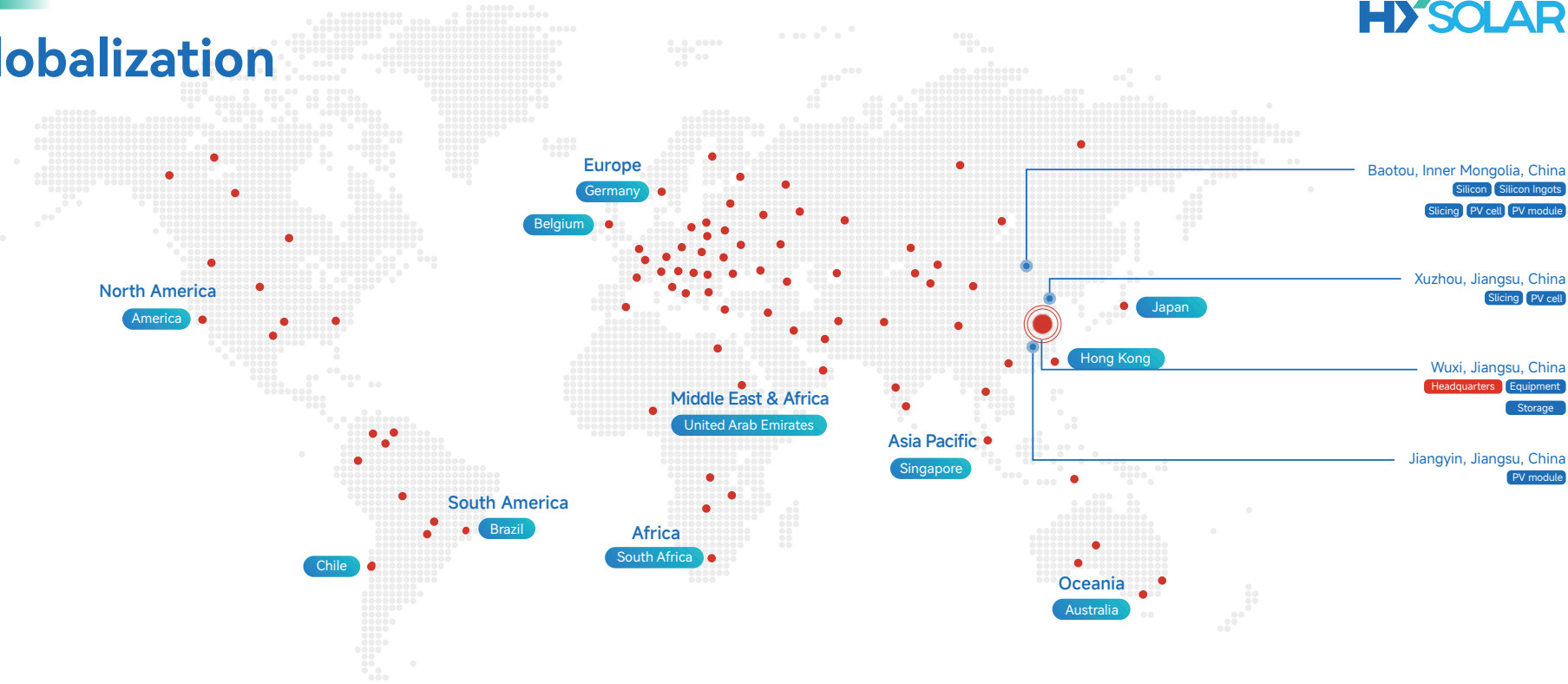
About SUNTECH

Founded in 2001, Suntech Power is a world-renowned manufacturer of photovoltaic (PV) products, engaged in the R&D and production of solar cells and modules.

As a pioneer in the global PV industry with 25 years of module manufacturing experience, Suntech has established a worldwide sales network, positioning itself as a reliable and sustainable energy partner to its customers.



Globalization



Headquarters

Wuxi, Jiangsu, China

Overseas Regional Headquarters

- Asia Pacific: Singapore
- Europe: Germany
- South America: Brazil
- North America: America
- Africa: South Africa
- Oceania: Australia
- Middle East & Africa: United Arab Emirates

Manufacturing Bases

- Equipment: Wuxi, Jiangsu, China
- PV module: Baotou, Inner Mongolia, China
- Slicing: Baotou, Inner Mongolia, China
- PV cell: Xuzhou, Jiangsu, China
- Silicon: Baotou, Inner Mongolia, China
- Silicon Ingots: Baotou, Inner Mongolia, China
- PV module: Jiangyin, Jiangsu, China
- Slicing: Xuzhou, Jiangsu, China
- PV cell: Baotou, Inner Mongolia, China
- Storage: Wuxi, Jiangsu, China

PV & Energy Storage Eco-industry



High-end Equipment Intelligent Manufacturing Base

Jiangsu
Wuxi

LAND AREA **50** K m²



Silicon Material Manufacturing Base

Inner Mongolia
Baotou

AMOUNT INVESTED	1630 M USD	LAND AREA	1170 K m ²
METALLURGICAL-GRADE SILICON EXISTING CAPACITY	150 t	POLYCRYSTALLINE SILICON EXISTING CAPACITY	100 t



PV Wafer Manufacturing Base

Inner Mongolia
Baotou

AMOUNT INVESTED **3500** M USD | LAND AREA **810** K m² | EXISTING CAPACITY **55** GW



PV Cell Manufacturing Base

Jiangsu
Xuzhou

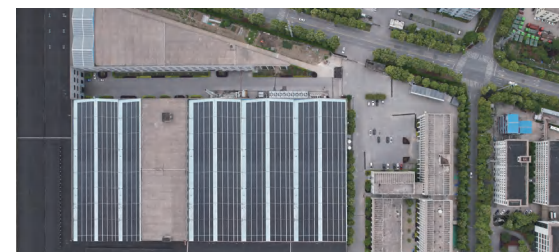
AMOUNT INVESTED **2100** M USD | LAND AREA **730** K m² | EXISTING CAPACITY **26** GW



PV Module Manufacturing Base

Jiangsu
Jiangyin

AMOUNT INVESTED **900** M USD | LAND AREA **500** K m² | EXISTING CAPACITY **26** GW



Intelligent Energy Storage Manufacturing Base

Jiangsu
Wuxi

AMOUNT INVESTED **710** M USD | LAND AREA **70** K m² | EXISTING CAPACITY **5** GWh

02

Core Competence

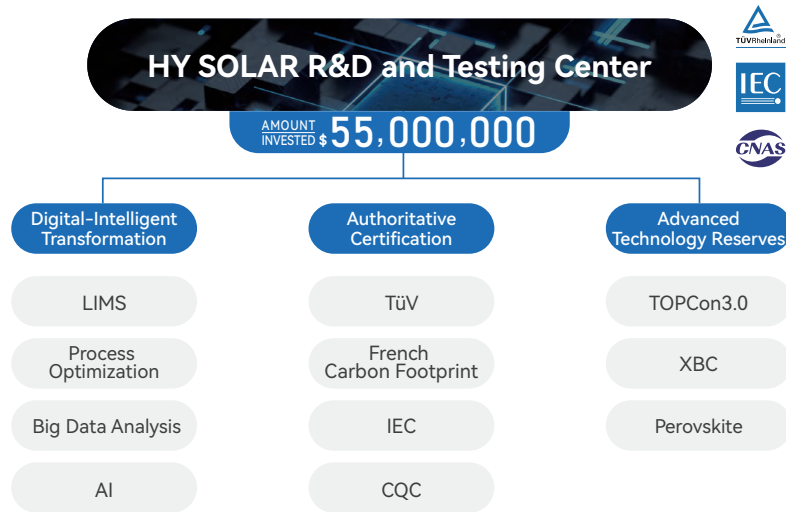
R&D Capabilities

- In accordance with the **CNAS** certification system, HY SOLAR has invested hundreds of millions to build a research and development testing center, covering a laboratory area of **5,000** square meters and equipped with 58 sets of 28 different types of equipment. The laboratory adopts a **LIMS**, is constructed and operated in compliance with **ISO 17025** standards, and possesses full testing capabilities in accordance with **IEC 61215** and **IEC 61730** standards.
- To ensure product reliability in complex and demanding environments, we not only strictly adhere to internal testing protocols but also send our products to internationally renowned third-party testing institutions for higher-standard verification. By continuously improving the global certification system, we are steadily expanding our market share in the high-quality segment of the module application field.

686
Researchers

55 Million (USD)
2025 R&D

426
Patents



Product Certifications



Quality Assurance



Full-Chain Traceability & Integrated PV-Storage Synergy

Integrated PV Production Capacity

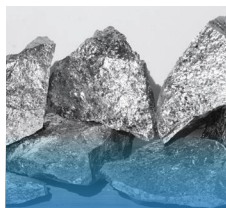
100GW+

Industrial Chain Traceability

Stable Delivery

PV-ESS Synergy

Integrated Warranty for Whole New Energy Solution



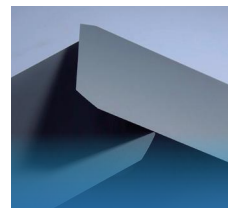
Metallurgical Grade Silicon

- Own silicon materials **150,000** tons
- Manufactured in Baotou, with legal and compliant labour practices



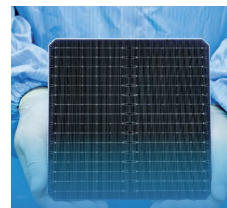
Polycrystalline Silicon

- Own silicon materials **100,000** tons
- 11N High-Purity
- Manufactured in Baotou, with legal and compliant labour practices



PV Wafer

- Own silicon wafer capacity of **55** GW
- Covers 100% N-type specifications
- Leading in industry with low carbon footprint



PV Cell

- Own cell capacity of **26** GW
- Poly-Finger technology
- Edge passivation applied in combination
- Efficiency up to 27.1%



PV Module

- Own module capacity of **26** GW
- Full N-type coverage



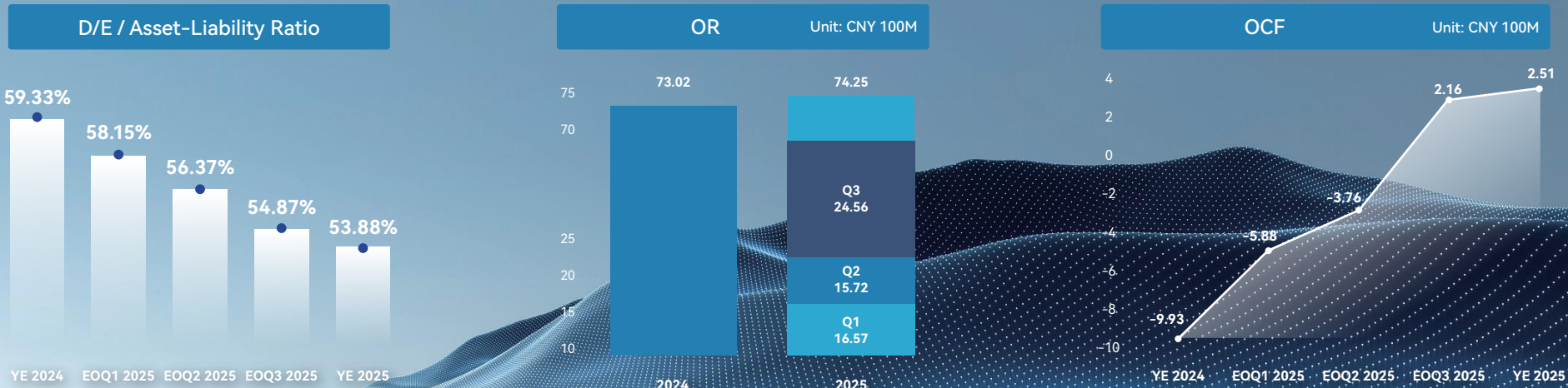
Intelligent ESS Solutions

- Own Energy Storage Capacity of **5** GWh
- Intelligent Energy Solutions

Solid Financial Foundation

Sound financial strength serves as a crucial cornerstone for HY SOLAR’s sustainable development, and also constitutes a solid guarantee for the long-term trust of investors and partners. Amid cyclical fluctuations in the industry, leveraging its cost reduction capability through full industrial chain collaboration and diversified business layout, the Company consistently demonstrates outstanding risk resistance resilience and operational stability.

- HY SOLAR has continued to optimize its financial structure. As of 2025, its asset-liability ratio dropped to 53.88%, maintaining a relatively good level in the industry with a more solid capital structure.
- Since the end of 2024, the company's operating cash flow has seen continuous improvement. In 2025, it achieved a net operating cash flow of 251 million CNY, successfully turning from negative to positive. The cash-generating capacity of its core business has been significantly strengthened, and the quality of earnings has improved steadily.
- In 2025, the company recorded an annual operating revenue of 7.425 billion CNY, a year-on-year increase of 1.69%. Its net profit attributable to parent company shareholders reached 187 million CNY achieving a turnaround from losses to profits. Operational efficiency and profitability have recovered markedly, and the momentum for high-quality development keeps growing.



03

High-Efficiency Product Matrix

Advantages of High-End Equipment

HY SOLAR is one of China's earliest enterprises to independently research, develop, and produce high-end equipment for photovoltaics and semiconductors.

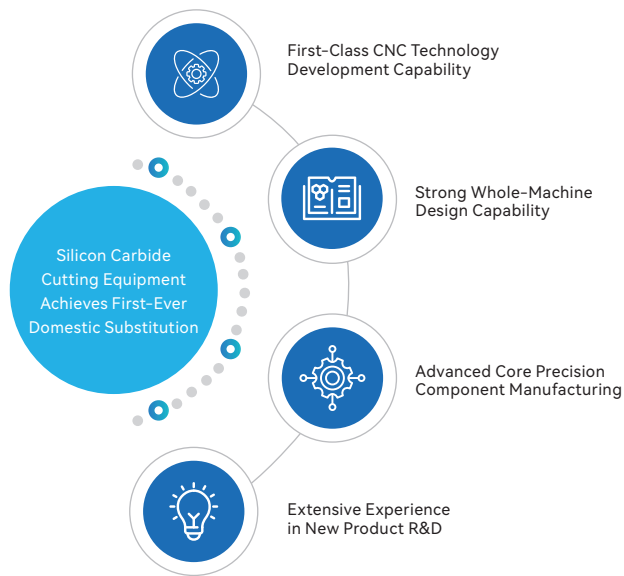
NO. 1
Ranked No.1 in market share for domestic silicon carbide slicers

4
Provincial and Ministerial Science and Technology First and Second Prizes

Since 2002
Deeply Engaged in the Design & Manufacturing of High-End Intelligent Equipment

High-End Intelligent Equipment Market share has led the industry for many years

Further Thinning Customization
Increased Product Yield Rate



WSK050
CNC Polycrystalline Silicon Diamond Wire High-Speed Cutting Machine

WSK070
Edge Chamfering Machine

WSK900
CNC Diamond Wire Slicing Machine

MK900
CNC Grinding, Chamfering, and Rounding Integrated Machine

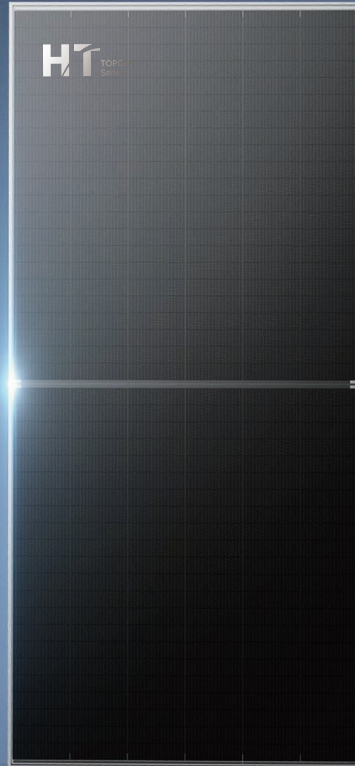
Leading in N-Type Route

Power Output up to

670W

Bifacial Rate increased to

85±5%



- Edge Passivation
- Poly-Finger
- Multi-Busbar Technology
- Advanced High-Density Packaging Technology

HT 3.0

Silicon Wafer Advantages



Silicon Wafer Advantages

Self-developed high-end production equipment
Specialized crystalline silicon processing systems
Long-standing industry leadership in market share
No. 1 domestic market share for silicon carbide slicing machines



Fully Automated Sorting

Adoption of advanced domestic fully automated sorting systems
Precise wafer classification and grading



Ultra-low Oxygen Content

Ultra-low carbon content
High minority carrier lifetime
Excellent resistivity uniformity



Rigorous Quality Assurance

Comprehensive quality management system
Strict inspection standards
Manual secondary visual inspection
100% quality guarantee



Fully Automated Integrated Packaging

Minimal human intervention



AGV Warehouse Integration

One-click inventory management

Cell Product Advantages



Grading Standards

Strict grading standards
Reduced loss in module encapsulation



Temperature Coefficient

Lower temperature coefficient
Increased power output and lifespan



Visual Standards

Rigorous appearance criteria
Higher module production yield



Anti-PID

Excellent PID resistance
Stable long-term efficiency



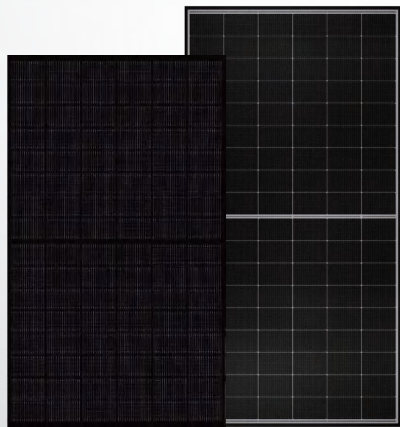
Module Power Generation

Bifacial light absorption and half-cell design
Increased power generation

Core Product Series

HT 2.0

N-Type 210R Series

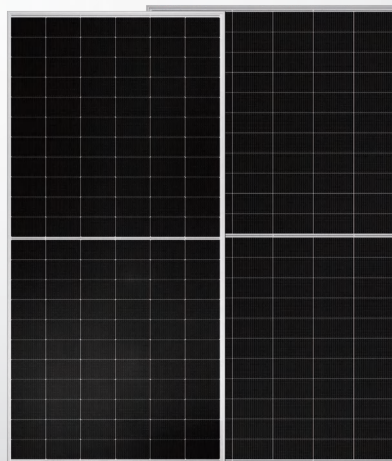


Size: 1762*1134mm	Size: 1961*1134mm
Power Output: 470W	Power Output: 520W
Max Efficiency: 23.5%	Max Efficiency: 23.4%

Distributed Projects

HT 2.0

N-Type 210(R) Series

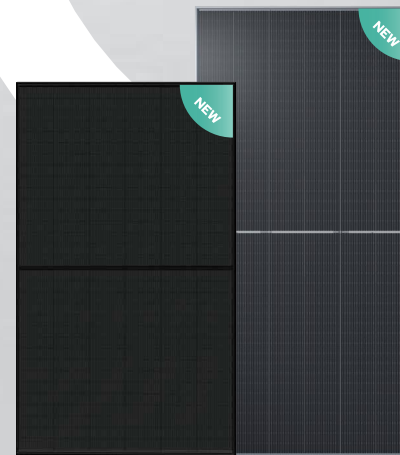


Size: 2382*1134mm	Size: 2384*1303mm
Power Output: 650W	Power Output: 735W
Max Efficiency: 24.1%	Max Efficiency: 23.7%

C&I and Large-scale Projects

HT 3.0

N-Type 210R Quarter-Cut Series



Size: 1762*1134mm	Size: 2382*1134mm
Power Output: 490W	Power Output: 670W
Max Efficiency: 24.5%	Max Efficiency: 24.8%

New Quarter-Cut Modules

Expanded PV+ Scenario Applications

Strong Wind Resistance, Wave Impact Resistance, Salt Mist Resistance
UV Aging Resistance, Superior Waterproofing & Light Transmission

Marine Applications

HY-NT10/72GDF

HY-NT11/66GDF

Aesthetic Rooftop

Ultra-high Efficiency Module

Full-black Aesthetic Design

HY-NT11/48QGSF

HY-NT11/66GDF

Anti-dust Module

Unique frame design reduces dust accumulation
Self-cleaning design with minimal maintenance

Anti-glare Module

High-transparency Anti-reflective Glass
For Enhanced Glare Reduction
Optimized for airports, highways,
and PV applications



Diversified Smart Energy Storage Products

Integrating solar and storage, enabling full value chain synergy, and delivering fully integrated solutions across diverse zero-carbon scenarios.





**Engineered for
Safety**



**Optimized for Solar
and Storage Synergy**



**Smart and
Elegant Design**

Residential Energy Storage Solutions

STE-10/20/30A-4/5/6/8/10/12HT-25

STE-20/30/40A-10/12/15/20HT-40

STE-5/10/15/20A-3/3.6/4.2/4.6/5/6HS-30

C&I Energy Storage Solutions

STE-2ML-1MP

STE-1ML-500P

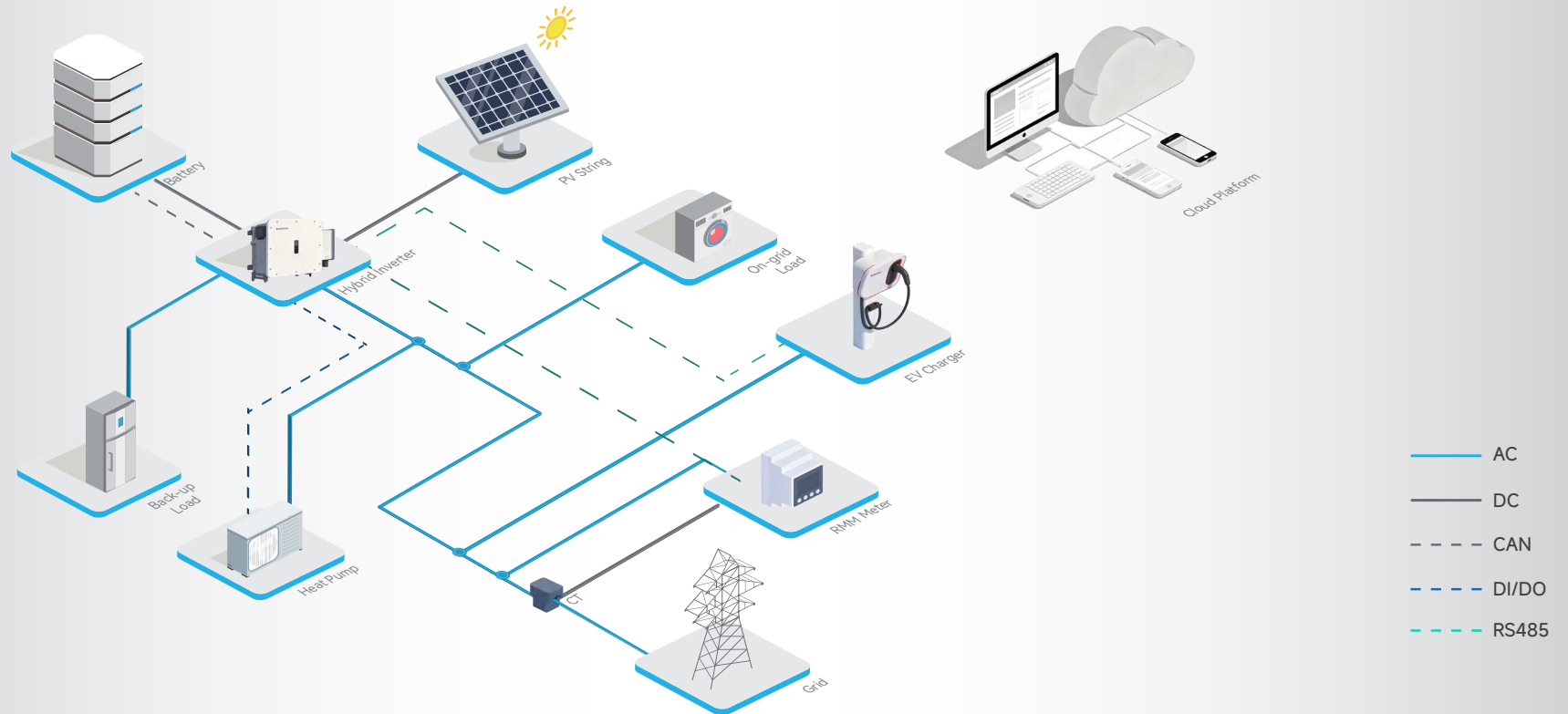
STE-261L-125P

STE-261/522L-75/80/99/100/125HT-300

STE-64/80/96/112.5A-25/29.9/30/40/50HT-150

Smart PV-Storage-Charging Home

All-in-one solar-storage-charging system integrating PV, energy storage battery, hybrid inverter, EV charger, EMS and backup power supply.



Smart PV-Storage for C&I

AC coupling/DC coupling. All by Suntech.



04

Green Ecosystem

Sustainable Development

HY SOLAR has always upheld the vision of "Making Energy Cleaner, Making the World Better," driving sustainable development with green energy and striving to build a high-quality model for sustainable growth. The company has deeply integrated ESG principles into its strategic planning and daily operations, having published ESG sustainability reports for four consecutive years.



Friendly Environment

Environmental protection investment reached in 2025

6.51 Million
(USD)

A full range of silicon wafer products, HT series modules

Passed the French ECS carbon footprint certification

HY SOLAR Energy awarded
Five-Star Zero-Carbon Factory Certificate

HY New Materials awarded
National Green Manufacturing Green Supply Chain Management Enterprise

Shared Value

Social contributions and charitable donations have reached

20M+


Normalization of volunteer service, annual service hours

500h+



To walk with the light Driving the green world forward


We,
concentrate on the source of novel
concepts for deep cultivation in order to
consistently break through energy barriers;
We,
with the unwavering source of innovation,
have fostered a bigger green dream;
We,
protect every source of energy from
nature, investigate the mystery of sunlight,
And return to nature with gifts from nature,
so that each share of clean energy can be
turned into the original green form.



170^{GW}
the shipment volume
of PV wafer reach
170GW



31.38^{million}
Equivalent to saving
standard coal by
31.38 million tonnes



14.54^{million}
Equivalent to cutting
CO₂ emissions by
14.54 million tonnes



7.3^{billion}
Equivalent to
7.3 billion trees
planted in the forest

Global Partners




05

Project Cases

PROJECT CASES





Al Dhafra, Abu Dhabi, **UAE**

 Project capacity **2.1GW**  Suntech **680MW**  Installation year **2023**





Baden-Württemberg, **Germany**

 Project capacity **750kW**
 Installation year **2019**



Sydney, **Australia**

Sydney Opera House

 Project capacity **384kW**
 Installation year **2012**

PROJECT CASES



Greater Poland
Voivodeship,
Poland

Project capacity
16.7MW

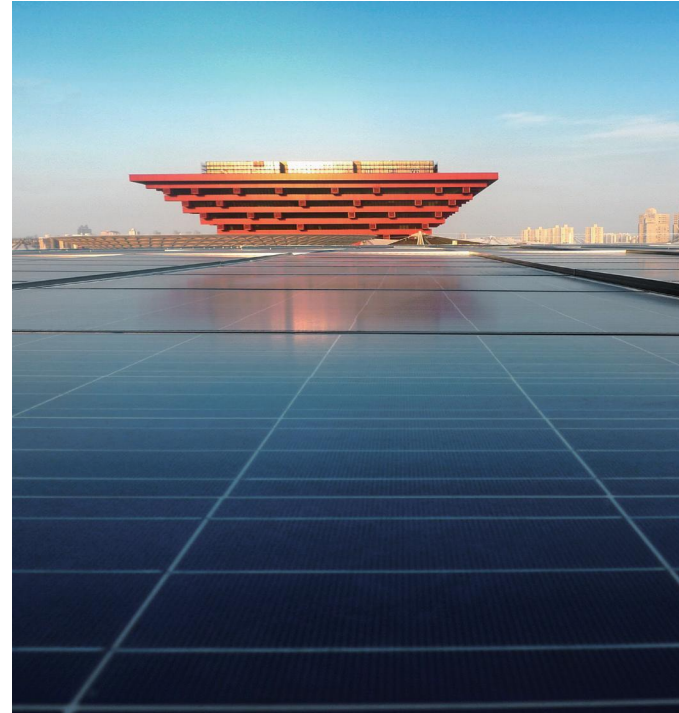
Installation year
2025



Beijing,
China
Bird's Nest Stadium

Project capacity
130kW

Installation year
2008



Shanghai,
China
China Pavilion at Expo

Project capacity
3.14MW

Installation year
2009

PROJECT CASES



Ulan Buh, Inner Mongolia
China



Project capacity
509MW



Installation year
2024



Project capacity
35MW



Installation year
2025

Jiangyin, Jiangsu
China

Yunnan, Dali
China



Project capacity
150MW



Installation year
2023



Wechat (EN)



Wechat channel



LinkedIn

Contact Us

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Tel

- 0510-8595 1888

E-mail

- info@hysolar.com

Midstream And Upstream Manufacturing Bases

- **Silicon:** WeiEr Road, Jinshan Industrial Park, Jinshan Town, Guyang County, Baotou City, Inner Mongolia
- **PV wafer:** 1 South Park Road, New Planning Area, Equipment Manufacturing Industrial Park, Qingshan District, Baotou City, Inner Mongolia
- **PV cell:** 88 Jinfeng Road, Economic and Technological Development Zone, Xuzhou City, Jiangsu Province

Module Manufacturing Base

- 1159 Gangcheng Avenue, Jiangyin City, Jiangsu Province

Intelligent Energy Storage Manufacturing Base

- No. 2, Huyang Road, Hudai Town, Binhu District, Wuxi City, Jiangsu Province