HYSOLAR

All in One
All in Control

GLOBAL LEADER IN
GREEN ENERGY ECOSYSTEMS

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

CONTENTS

HYSOLAR

01

Company Profile

About HY SOLAR

HY SOLAR (Stock Code: 603185), founded in 2002, successfully listed on the Main Board of the Shanghai Stock Exchange on 28 December 2018. In 2025, the company further strengthened its global presence through the strategic acquisition of Suntech Power, a leading photovoltaic enterprise, significantly elevating its brand influence and worldwide operational capabilities.The company operates across three core business segments: high-end equipment manufacturing, full-chain photovoltaic products, and integrated energy storage solutions. Committed to becoming a globally leading green energy ecosystem provider, HY SOLAR is dedicated to driving the global energy transition and delivering sustainable energy benefits worldwide.

Headquartered in Wuxi, China, HY SOLAR boasts total assets of nearly RMB **30** billion. With major R&D and manufacturing bases strategically located in Inner Mongolia, Jiangsu, Anhui, and other regions across China, the company has established an integrated photovoltaic production capacity exceeding **100**GW and a comprehensive, scenario-based energy storage industrial layout. Additionally, HY SOLAR is accelerating its global footprint, having established regional headquarters in Singapore, Germany, the United Arab Emirates, Australia, Brazil, and other key markets. Its business now extends to nearly 100 countries and regions worldwide, with cumulative global shipments surpassing **170**GW by the end of 2025.

Looking forward, guided by the national carbon peaking and carbon neutrality goals, HY SOLAR will deepen the implementation of its “Technology-Driven, Smart Services” strategy. Adhering to the corporate vision of “Cleaner Energy, Better World” and a market-oriented, customer-centric, resource-integrated, and win-win business philosophy, the company will continue to collaborate with partners across industries to explore opportunities in the global new energy market. Together, we will build a future-oriented HY SOLAR characterized by technological innovation, sustainable development, and intelligent operations.

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 Manufacturer

2002
Establishment of Wuxi Shangji Grinder Co., Ltd

2004
Entry into the solar industry, engaging in the manufacturing of equipment for crystalline silicon

2018
Wuxi Shangji Automation was listed on the SSE with stock code of 603185

HY 2.0 2019-2021
Specialized Provider A New PV Materials

2019
Establishment of HONGYUAN New Material (Baotou) Co.,Ltd. Entry into PV monocrystalline silicon industry

2020
Expansion of monocrystalline silicon production capacity to 8GW per year

2021
Expansion of monocrystalline silicon production capacity to 10GW per year

HY 3.0 2022-2025
Deeply Vertically-integrated PV Service Provider

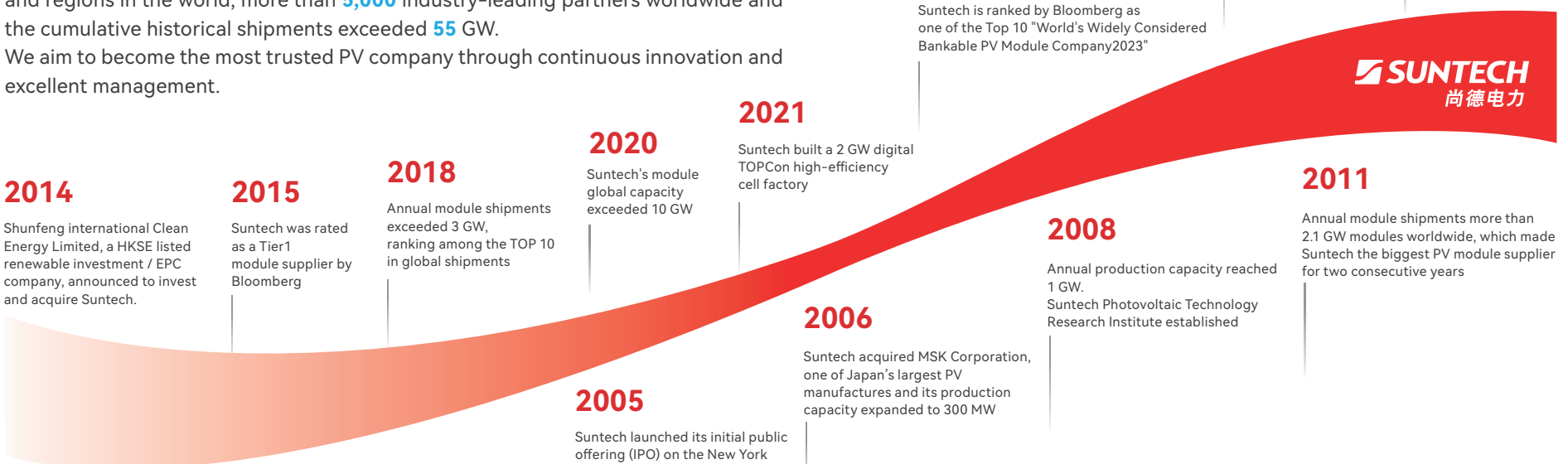
2022-2025
- Metallurgical-grade silicon with 150 kilotonnes annual output
- High purity crystalline silicon with 100 kilotonnes annual output
- Monocrystalline silicon wafer with 55GW annual output
- N-TOPCon PV cell with 26GW annual output
- N-TOPCon PV module with 26GW annual output

HY 4.0 2026-Future
Global Leader In Green Energy Ecosystem

2026-Future
- 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

Suntech, founded in 2001, as a famous Photovoltaic manufacturer in the world, is devoted to the R&D and the production of crystalline silicon solar cells and modules for 24 years. The Company has its sales areas spread all over more than **100** countries and regions in the world, more than **5,000** industry-leading partners worldwide and the cumulative historical shipments exceeded **55** GW.
We aim to become the most trusted PV company through continuous innovation and excellent management.



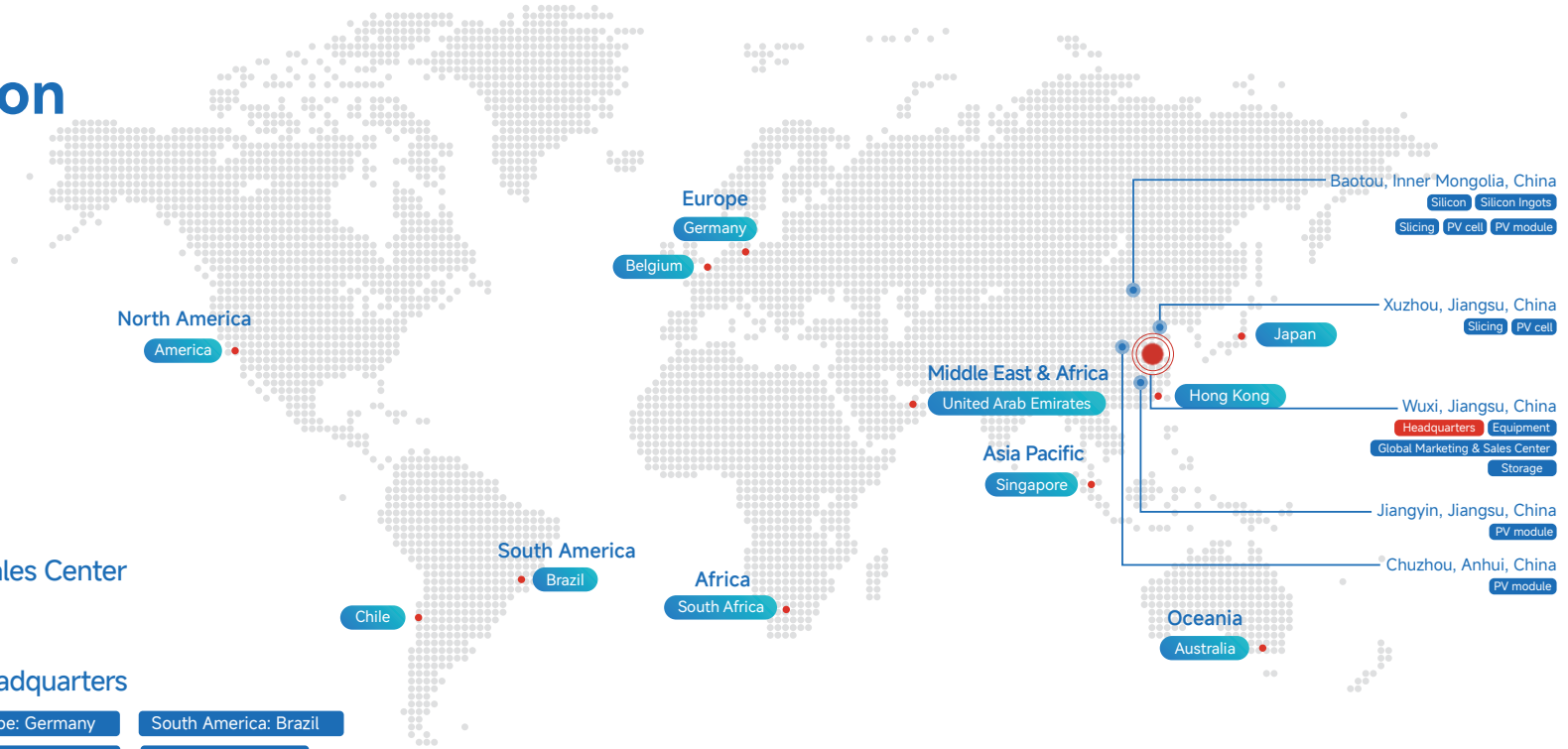
24 Years
Experience in manufacturing PV modules

100+ Countries
Worldwide business footprints

5000+
Global leading partners

600+
Authorized patents

Globalization



Headquarters

Wuxi, Jiangsu, China

Global Marketing & Sales Center

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

Capacity Breakdown by Segment (as of end-2025)

150,000T	100,000T	55GW	26GW	26GW	5GWh
Industrial silicon	Polysilicon	Wafers	PV cells	PV modules	Storage

N-type PV Industry Chain

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 m²

METALLURGICAL-GRADE SILION EXISTING CAPACITY **150** K t | POLYCRYSTALLINE SILICON EXISTING CAPACITY **100** K 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 Moudle Manufacturing Base

Jiangsu **Jiangyin** Anhui **Chuzhou**

AMOUNT INVESTED **900** M USD | LAND AREA **500** K m² | EXISTING CAPACITY **13** GW

Intelligent Energy Storage Manufacturing Base

Jiangsu **Wuxi**

AMOUNT INVESTED **71** M USD | LAND AREA **70** K m² | EXISTING CAPACITY **5** GWh

HY SOLAR

02

Core Competence

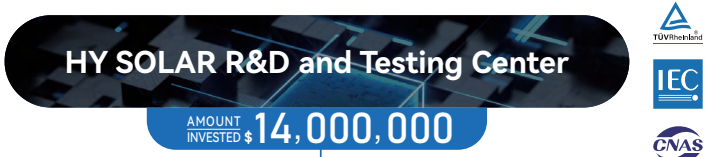
R&D Capabilities

- 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 management system, 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.

635
Researchers

47.5 Milion (USD)
2024 R&D

594
Patents



Digital-Intelligent Transformation	Authoritative Certification	Advanced Technology Reserves
LIMS	TUV	TOPCon2.0
Process Optimization	French Carbon Footprint	XBC
Big Data Analysis	IEC	Perovskite
AI	CQC	

Product Certifications

Quality Assurance

Munich RE

Leading in N-Type Route

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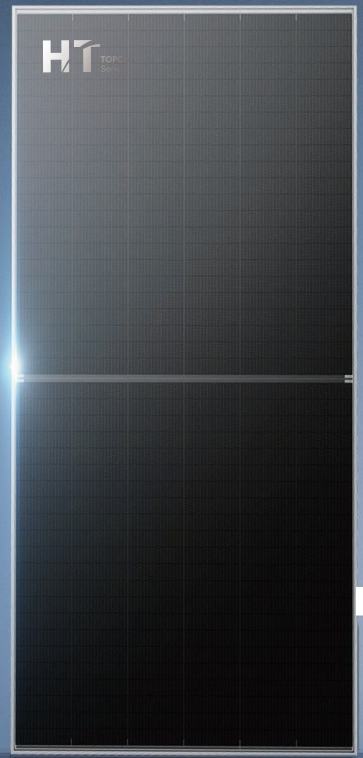
Module efficiency reaches

24.8%

Module power is increased by

+40W

compared with
traditional counterparts



- New Generation Silicon Wafer
- Battery Process Optimization
- Edge Passivation
- Poly-Finger
- 0BB
- Multi-wafer Technology
- BOM Optimization
- Advanced Packaging Technology

TOPCon2.0

Full-Chain Traceability and Integrated PV-Storage Synergy

Integrated Full-Chain Traceability Across the PV Industry

Leveraging an integrated PV industry chain, the company has achieved transparent and traceable information flow across the entire production process – from silicon materials to silicon wafers, cells, and modules. This end-to-end system enables complete tracking, monitoring, and precise management, meeting customer demand for trustworthy and verifiable supply chains.

Reliable Delivery

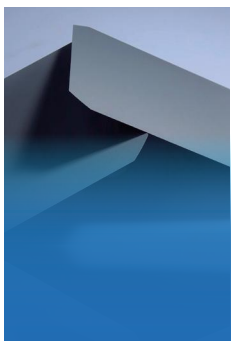
Integrated capacity coordination across the entire supply chain ensures delivery reliability. In response to project demands worldwide, the company is capable of rapid, end-to-end supply – from core products to comprehensive system solutions – streamlining processes for clients and reducing multi-stage coordination costs.

Synergistic Value of Integrated PV and Energy Storage

HY SOLAR leverages its full-industry-chain technological capabilities to develop integrated PV-storage solutions tailored for diverse scenarios. Transitioning from single product supply to customized full-scenario services, HY SOLAR applies the core principle of "PV-Storage Synergy" to transform upstream product advantages into downstream, scenario-specific value, meeting the differentiated needs of various clients. This deep adaptability from technology to application enables HY SOLAR to maintain competitiveness in the global market, positioning the company as a reliable partner in driving zero-carbon transformation across industries.

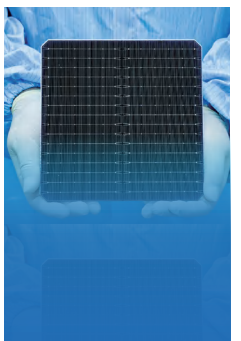
Silicon

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



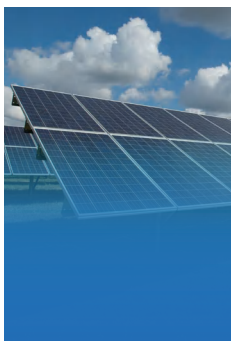
PV Wafer

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



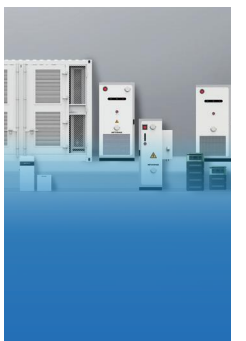
PV Cell

- 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



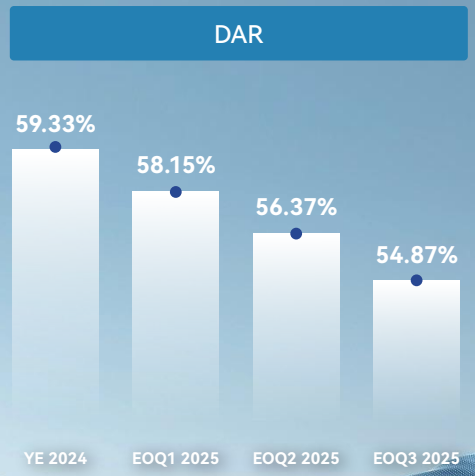
Storage

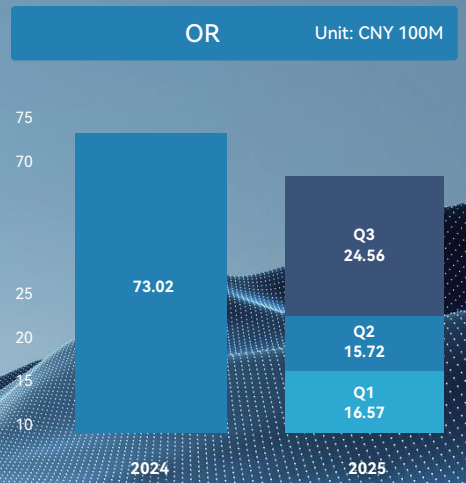
- Own Energy Storage Capacity of **5** GWh
- Intelligent Energy Solutions

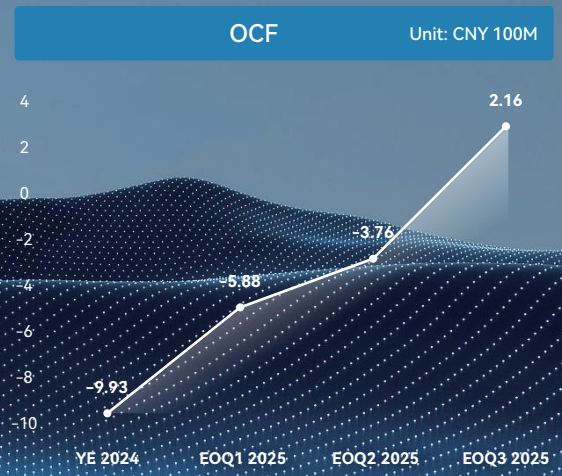
Solid Financial Foundation

A stable financial condition serves as the cornerstone for the sustainable development of HY SOLAR, while also providing assurance and confidence to investors and partners. Amidst fluctuations in the industry cycle, HY SOLAR leverages its cost control capabilities across the entire industrial chain and diversified business structure, demonstrating robust resilience against risks.

- The company's financial management demonstrates strong stability, with the asset-liability ratio continuously declining since the end of 2024 and dropping to 54.87% by the end of the third quarter of this year. This level also falls within a relatively low range among current industry peers.
- The company's cash flow situation has shown consistent improvement since the end of 2024, with a quarter-on-quarter reduction in losses throughout 2025. By the end of the third quarter, it achieved a transition from negative to positive cash flow. The cash generation capability from the company's core operating activities has progressively strengthened, reflecting a steady enhancement in operational efficiency and profitability.
- From the first to the third quarter of 2025, the company's operating revenue increased from RMB 1.657 billion to RMB 2.456 billion, achieving a significant breakthrough in the third quarter with robust growth momentum.







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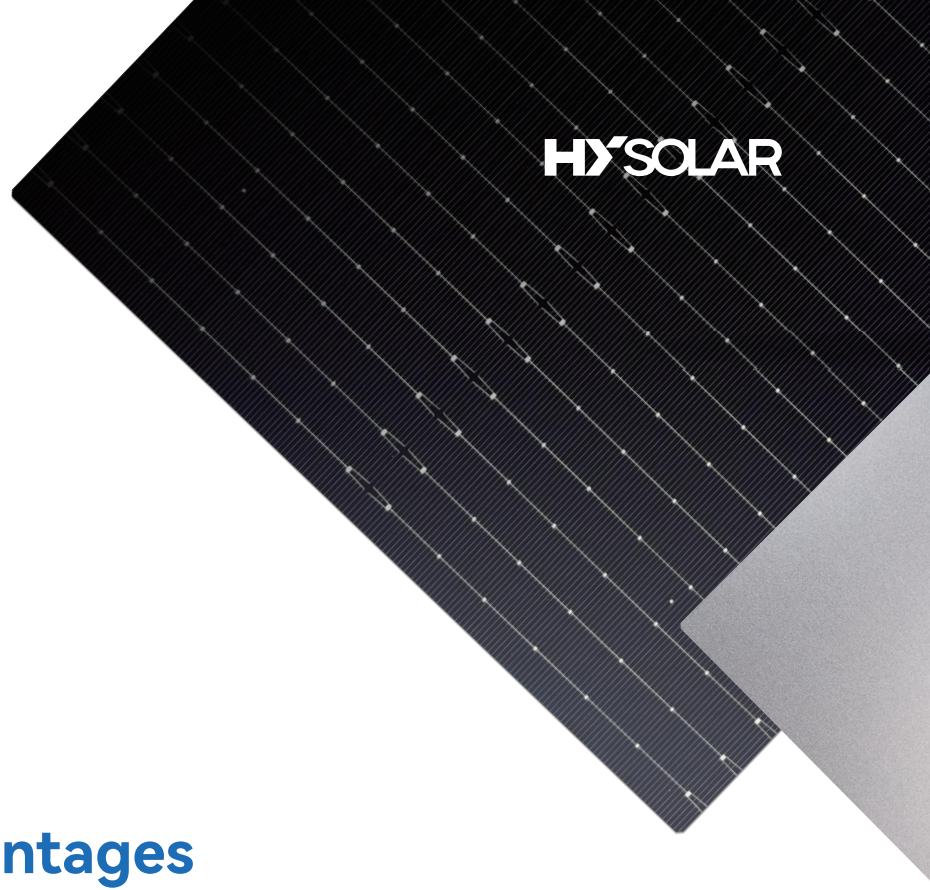
Module Products



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

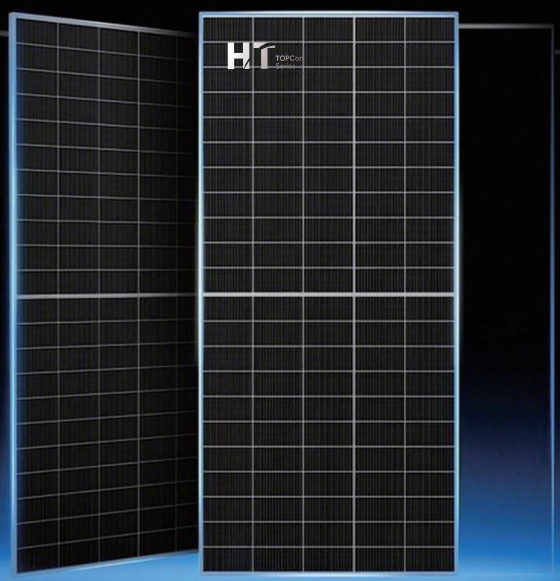
HT Series: Flagship Products in Module Solutions

Residential & C&I Rooftops

Product	Module Power	Dimensions
NT11-48GDF	445-465W	1762x1134x30mm
NT11-48GDF-1.6mm	445-465W	1762x1134x30mm
NT11-48BGDF	445-465W	1762x1134x30mm
NT11-48BGDF-1.6mm	445-465W	1762x1134x30mm
NT11-54GDF	505-525W	1962x1134x30mm
NT10-72GDF	590-610W	2278x1134x30/33/35mm

Large-scale Ground Power Station

Product	Module Power	Dimensions
NT10-72GDF	590-610W	2278x1134x30/33/35mm
NT10-78GDF	630-655W	2465x1134x30/35
NT11-66GDF	610-630W	2382x1134x30mm
NT11-66QGDF	610-630W	2382x1134x30mm
NT12-66GDF	705-725W	2384x1303x33mm

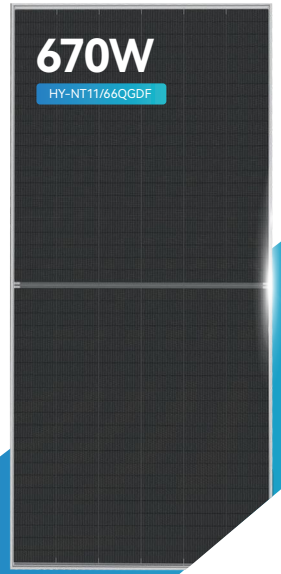


30Y Power Warranty

≤ 1% 1st year degradation

0.35% Linear degradation

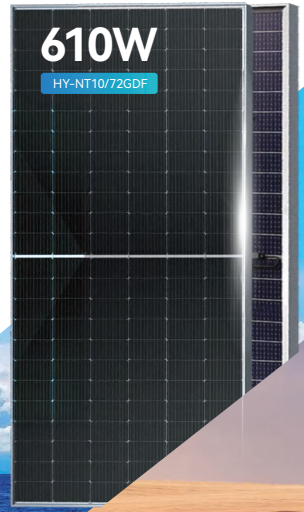
Upgraded "PV+" Scenario Applications



FOUR-CELL SLICING

Ultra-high efficiency module

Maximum conversion efficiency up to 24.8%

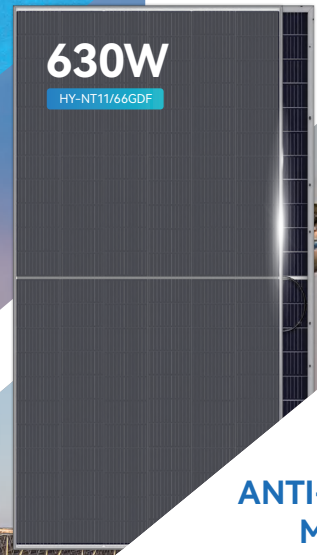


MARINE MODULE

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

ANTI-DUST MODULE

No A-side on short edges to prevent dust/water
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

- Secure & Dependable
- High-Efficiency Gain
- Smart Connectivity

Residential Energy Storage Solutions

HY-HL16-DC	Residential Low-Voltage Energy Storage System
HY-HD3600-AC-PRO	Residential Low-Voltage Energy Storage System
HY-HY05-AC	Residential High-Voltage Energy Storage System

Commercial & Industrial Energy Storage Solutions

HY-G108-AC	Air-Cooled Energy Storage Power System
HY-G261-AC	Liquid-Cooled Energy Storage Power System
HY-G522-AC	Liquid-Cooled Energy Storage Power System
HY-G418-DC	Liquid-Cooled DC Energy Storage System

Large-Scale Power Station Energy Storage Solutions

HY-J5.0M-DC	Liquid-Cooled Energy Storage Container
HY-J6.25M-DC	Liquid-Cooled Energy Storage Container

Microgrid Energy Storage Solutions

HY-W2.0M-AC	Microgrid Energy Storage System

Energy Storage Solutions

HY-Y2.0M-AC	Mobile Energy Storage System

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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 three consecutive years.

Friendly Environment

The investment in environmental protection will reach in 2024

10.7 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

20000k+

Normalization of volunteer service, annual service hours

500h+

COMMITTED
ecovadis
Sustainability Rating
OCT 2025

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

7300 million
Equivalent to 7300 million trees planted in the forest

Global Partners

HYSOLAR

HY SOLAR

05

Project Cases

PROJECT CASES

Al Dhafra, Abu Dhabi, **UAE**

Projec capacity
680MW

Installation year
2023

Baden-Württemberg,
Germany

Projec capacity
750kW

Installation year
2019

Sydney,
Australia

Sydney Opera House

Projec capacity
384kW

Installation year
2012

PROJECT CASES

Greater Poland Voivodeship,
Poland

Projec capacity
16.7MW

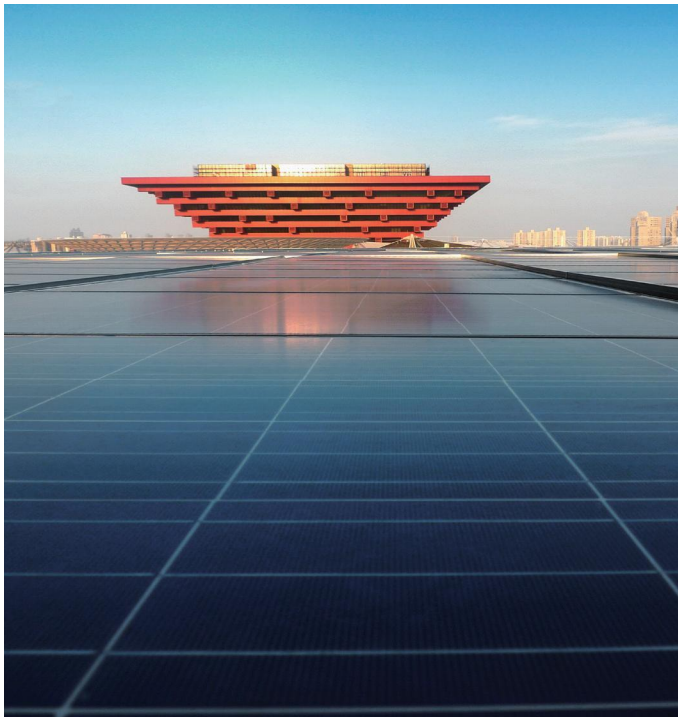
Installation year
2025

Beijing,
China

Bird's Nest Stadium

Projec capacity
130kW

Installation year
2008



Shanghai,
China

China Pavilion at Expo

Projec capacity
3.14MW

Installation year
2009

PROJECT CASES

Ulan Buh, Inner Mongolia
China

Projec capacity
509MW

Installation year
2024

Projec capacity
35MW

Installation year
2025

Jiangsu, Jiangyin
China

Yunnan, Dali
China

Projec capacity
150MW

Installation year
2023

Wechat（CN）

Wechat channel

Wechat（EN）

LinkedIn

Twitter

YouTube

Group Headquarters

- Building 7, Changguangxi Wetland Park, Lihu Avenue,Binhu District, Wuxi City, Jiangsu Province, China

Contact Us

- 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 Bases

- 1159 Gangcheng Avenue, Jiangyin City, Jiangsu Province
- 99 Jiuzi Road, Dingcheng Economic Development Zone, Dingyuan County, Chuzhou City, Anhui Province

Intelligent Energy Storage Manufacturing Base

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