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SHINEFAR SOLAR CO., LTD



Solar Excellence in Every Ray

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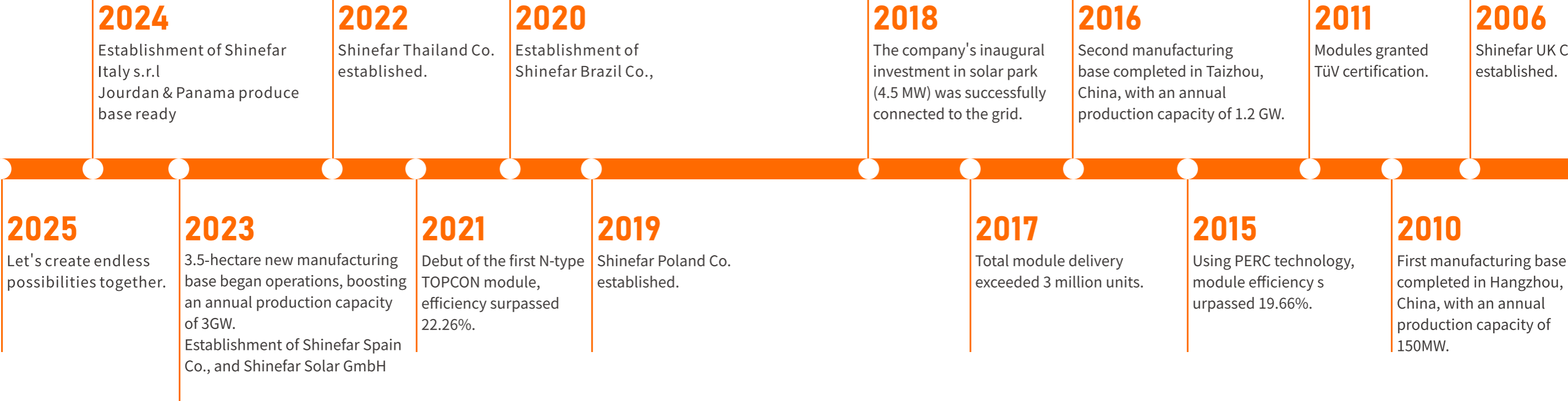
Shinefar Solar Co. is a collaborative venture between Hangzhou XuLin Photovoltaic Technology Co. and Shinefar UK Co. We specialize in manufacturing high-quality photovoltaic modules. Our advanced production facilities span over 3.5 hectares in the Zheneng Intelligent Industrial Park in Huzhou, Zhejiang. With an annual production capacity of 3GW, we offer a wide range of modules, including PERC, N-type TOPCON, and HJT modules.

At Shinefar Solar, we have a team of highly experienced technical personnel who drive our success. We provide comprehensive solutions for both on-grid and hybrid photovoltaic project construction. As an awarded national high-tech enterprise, we hold an abundant portfolio of patents, including 5 invention patents and 29 practical patents. Our commitment to quality is further reinforced by certifications such as IEC 61215, IEC 61730, IEC 61701, IEC 62716, IEC 62804, UKCA, UL, INMETRO, CQC, CB, and RETIE, etc.

With a solid global presence, Shinefar Solar has been shipping products to Europe, Latin America, North Africa, and Southeast Asia. To better serve our international customers, we have established eight overseas branches and service centers in Germany, Spain, Poland, Finland, Thailand, Brazil, Italy, and the UK. Furthermore, our European manufacturing base in Spain is currently under construction and is scheduled to commence production in 2026.

Looking ahead, we are committed to shaping the future of energy generation by providing highly efficient solar modules at competitive costs. Our goal is to actively contribute to the growth of an emission-free economy and drive the global transition towards sustainable energy solutions.

Since 2006, never stop exploring



Cover
35,000 M²

Capacity
3 GW/Year

Cumulative Shipments
5 mill.modules

CO₂ Emission
339 MT/Year

Global customers
10000+

Global Layout



100+ Number of exporting countries worldwide

9+ Overseas Branch

500+ Number of MW projects worldwide

9+ Overseas Warehouse

Global Exhibition

Shinefar Solar, Empowering the World
Exhibitions in Europe, South America, Southeast Asia, etc.



2025

BUILDING YOUR TRUST IN SOLAR

High Level of Automation

Utilization of digital and automated production process eliminates need for manual labor and processes.

Optimized Processes

Effective production processes with ongoing optimization.

05

Intelligent Production

Intelligent systems can analyze data, identify previously undetected errors, and reveal areas for further improvement.

02

State-of-the-Art Equipment

Integration of latest upstream technology and state-of-the-art manufacturing equipment.

Qualified Staff

Well-trained and experienced production staff ensuring product quality at every stage.

» Automated Production

2025

BUILDING YOUR TRUST IN SOLAR

01

Intensive Quality Tests

All cells and modules must pass through a list of 48 different tests to ensure that the visual, optical, electrical, physical, and mechanical properties of the products meet Shinefar Solar's high standards before reaching customers.

03

Intelligent Quality Monitoring

Computer-based quality control closely monitors all equipment and processes for deviations from programmed parameters.

05

Digitalization of Quality Control

All quality control related data are collected, connected, and stored in Shinefar Solar intranet to enable analysis and traceability.

02

Comprehensive Quality Control

Shinefar Solar's quality infrastructure spreads across the entire value chain. All sub-steps are subject to constant monitoring.

04

Certified Quality Processes

Certified quality processes combining cutting-edge quality control equipment, quality control certification process, diagnostic standards, and professional staff.


» Testing



Business Coverage

Module

Monocrystalline double-sided double-glass modules, and Monocrystalline single-glass modules.



Energy storage system

All in one Solar energy system



Hybrid storage system

Residential Energy Solutions



Photovoltaic powerplants

Large-scale power plant development and construction

Solar Module

N-Type Topcon High efficiency modules

Ultra-high Power Generation/
Ultra-high Efficiency

01

Higher Bifacial Gains

02

Enhanced Reliability

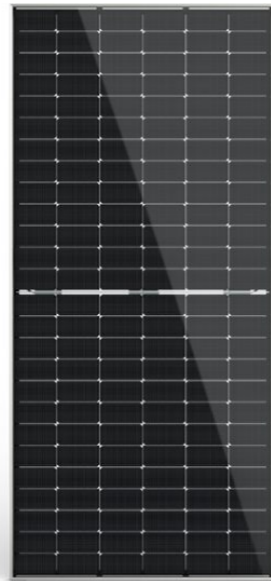
03

Lower LID / LEIID

04

High Compatibility

05



06

Optimized Temperature
Coefficient

07

Lower Operating
Temperature

08

Optimized Degradation

09

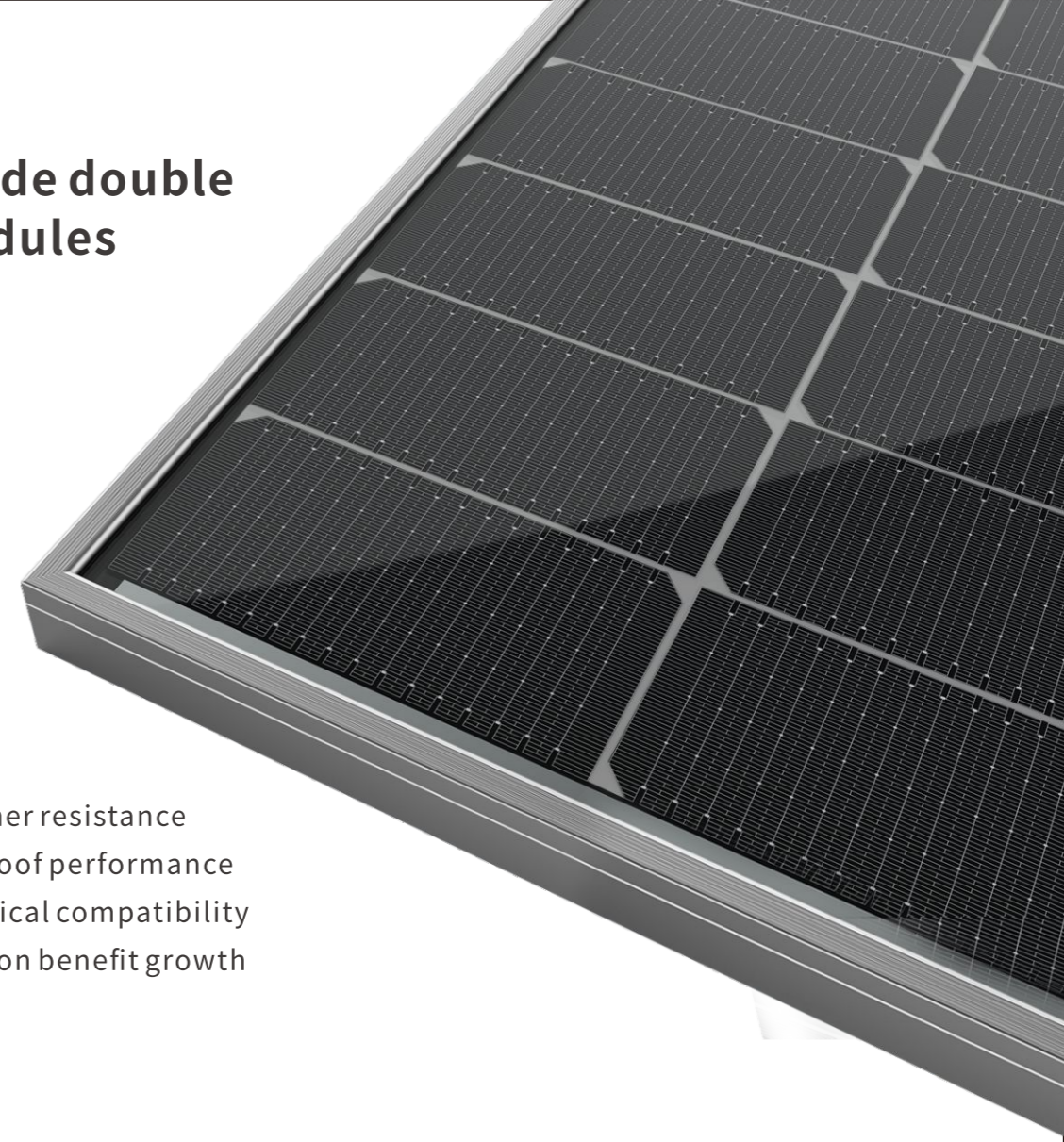
Outstanding Low Light
Performance

10

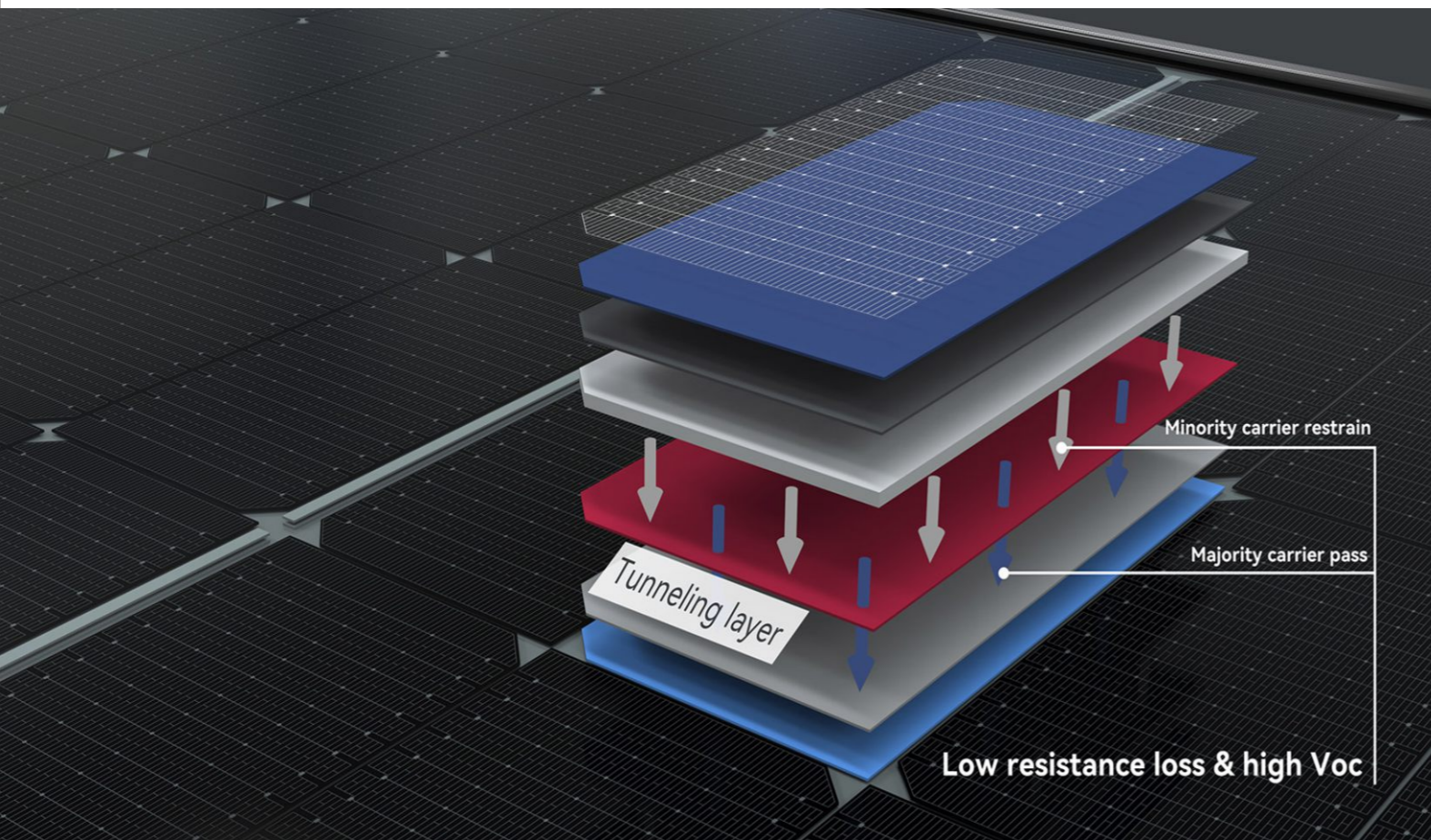
Exceptional PID Resistance

Double side double glass modules

SOL SERIES



Excellent weather resistance
Excellent fireproof performance
Excellent technical compatibility
Power generation benefit growth



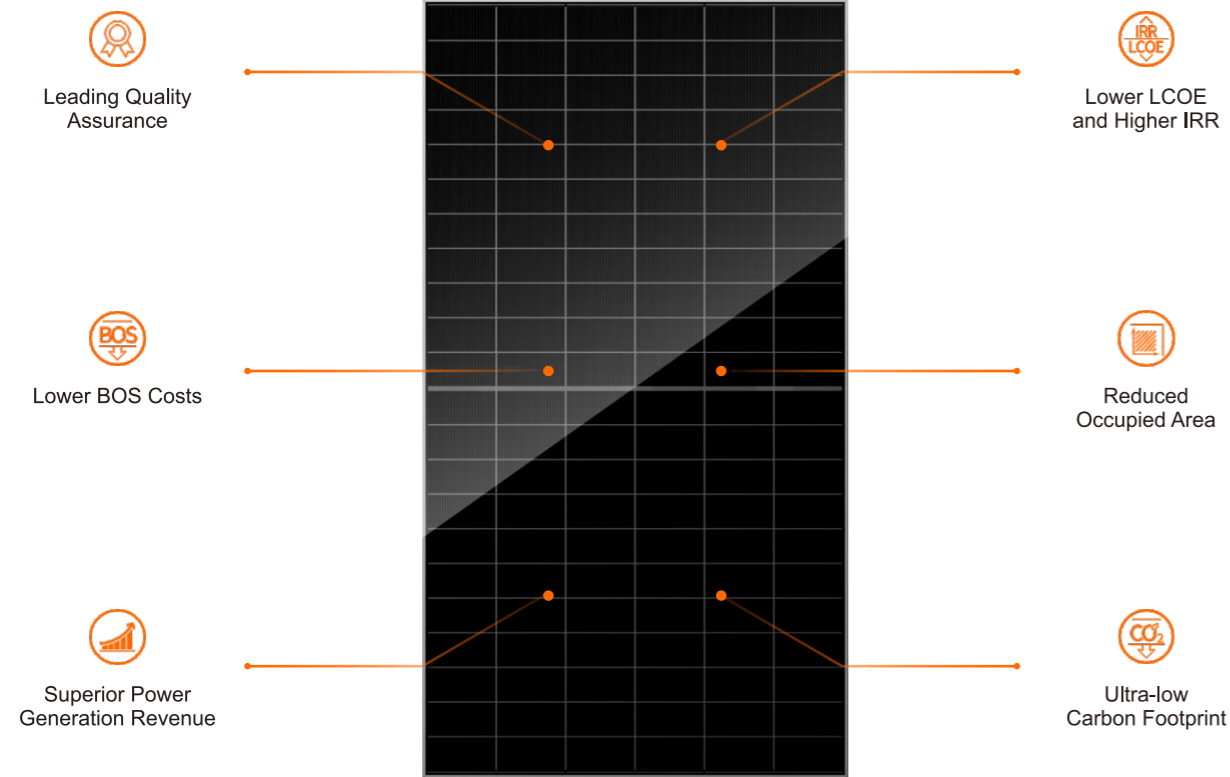
Double size solar cells & double glass

Up to 20% power growth



HJT

Product Advantages



Reliability

Passed rigorous 3X-IEC61215&61730 testing, with stricter testing conditions, ensuring higher reliability;

Passed 3X-PID rigorous testing, where the duration increased from 96 hours to 288 hours, resulting in less than 5% power degradation;

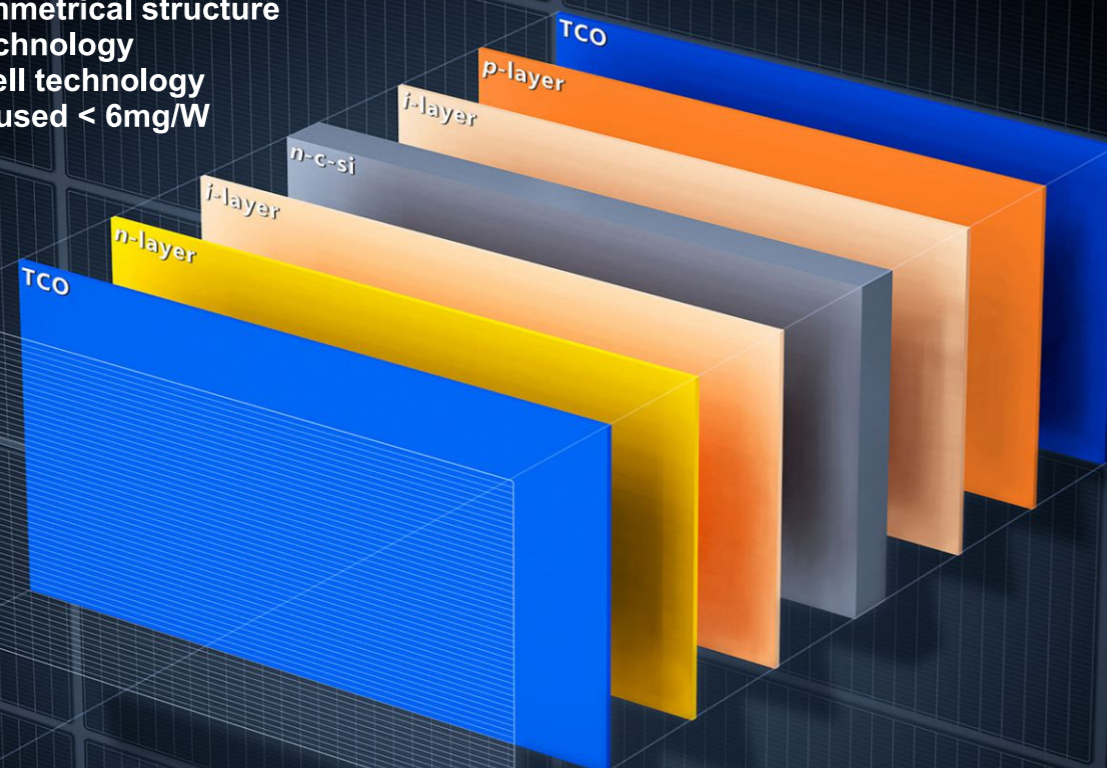
Passed 3X-LeTID testing, conducted over 3 cycles (3x162 hours), with power degradation less than 1%;

Passed rigorous DH testing, with the duration increased from 1000 hours to 3000 hours, demonstrating higher reliability;

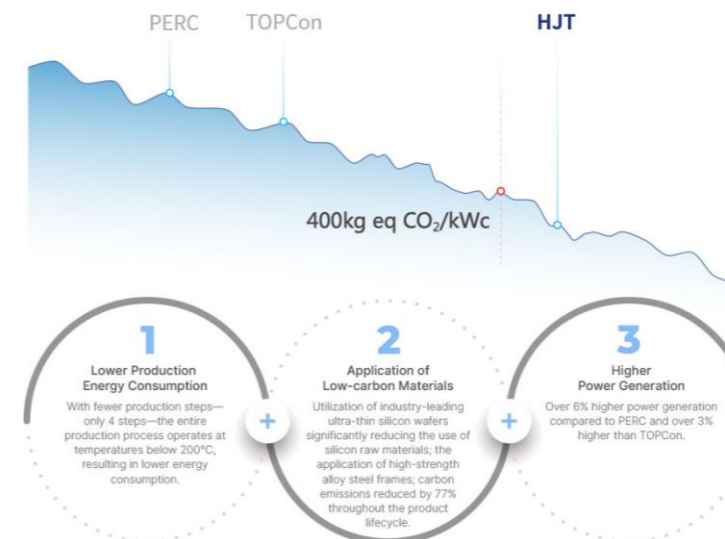
Passed level-8 salt spray corrosion resistance testing, exhibiting better corrosion resistance performance.



Perfect symmetrical structure
 OBB cell technology
 Ultra-thin cell technology
 Pure silver used < 6mg/W



Lower Carbon Footprint



Higher Carbon Value

Take a 100MW power station as an example, one year

	VS PERC	VS TOPCon
HJT Shinefar Carbon Emission Reduction	↓ 5760 tons	↓ 2880 tons
HJT Shinefar Power Generation	↑ 6 million kWh	↑ 3 million kWh
HJT Shinefar Carbon Value	↑ 350,000 RMB	↑ 170,000 RMB

Calculated based on the current Chinese carbon trading price of approximately 60 RMB/ton.

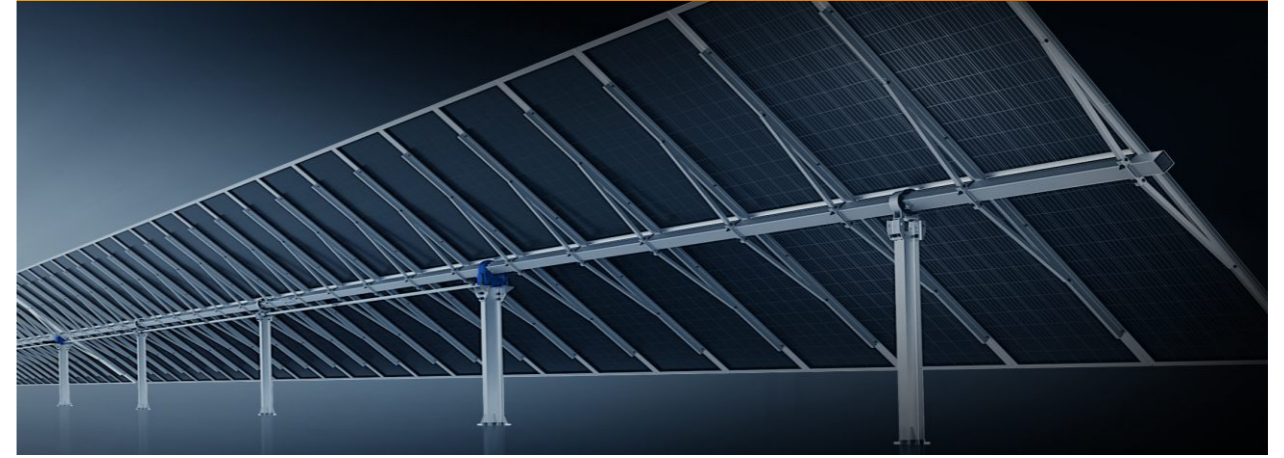
Tie Roof Mounting



Sun Room



Smart Tracking Mounting



C Channel Steel Ground Mounting Brackets



BIPV Mounting / Steel Solar Carport Mounting



BIPV Mounting / Steel Solar Carport Mounting











Floating Solar Mounting Bracket



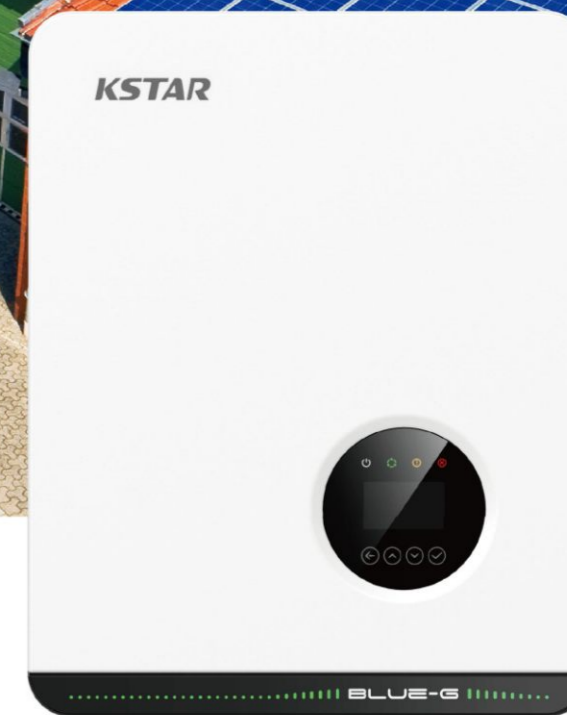
KSTAR inverter





Franchised Dealer

-  Higher Efficiency
-  Dual MPPT
-  Remote Control
-  VPP Ready
-  IP65 Protection Degree
-  Type II DC SPD
-  CATL Battery Cell
-  Fanless Design & Lighter



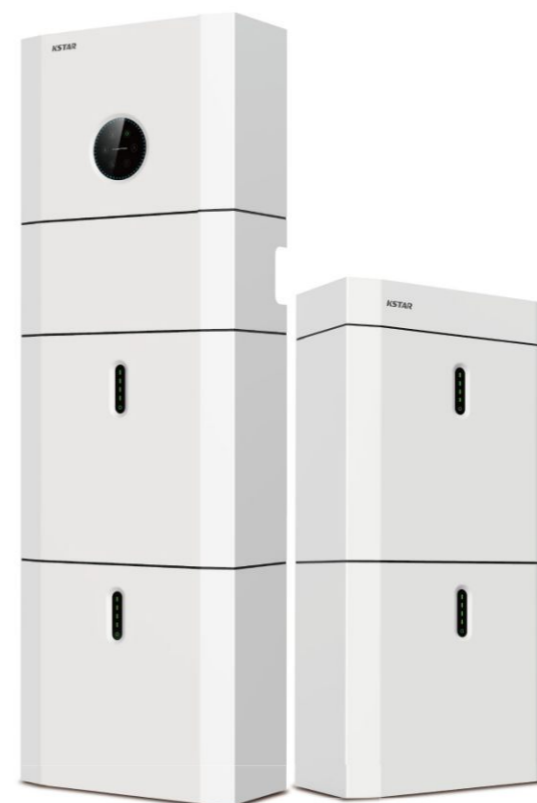
PV On-Grid String Inverter



-  Max. PV Voltage up to 1100V
Type II DC /AC SPD
-  Compatible for Big Capacity PV Panel
WiFi / 4G Plug Optional
-  DC/AC Ratio up to 2
IP66 Protection
-  High Efficiency up to 98.6%
Smaller and Lighter

Blue Residential ESS

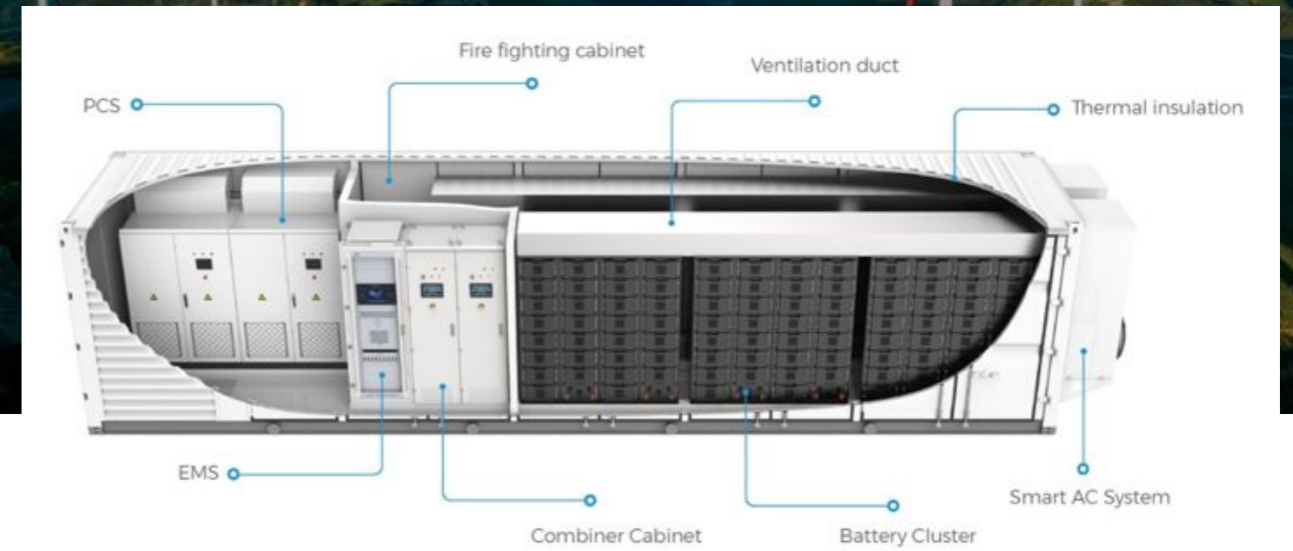
All In One Energy Storage System
CATL Battery Solutions



-  Safety
CATL LFP Battery, stable and safe
Module, pack, system, triple protection
IP65, outdoor installation, away from living room
-  Simple
Modular design, single person can carry and install it. Plug and play, 30 min quick installation
Space saving; 0.15 sq. m foot print
-  Interconnection
Global cloud platform & Mobile APP
anytime and any where
Open API, support power internet applications

Energy Storage

Container energy storage system 1MWh-2MWh



Integration of LFP battery, PCS, and intelligent temperature control for fire protection



Temperature controlled design, Low consumption, high safety

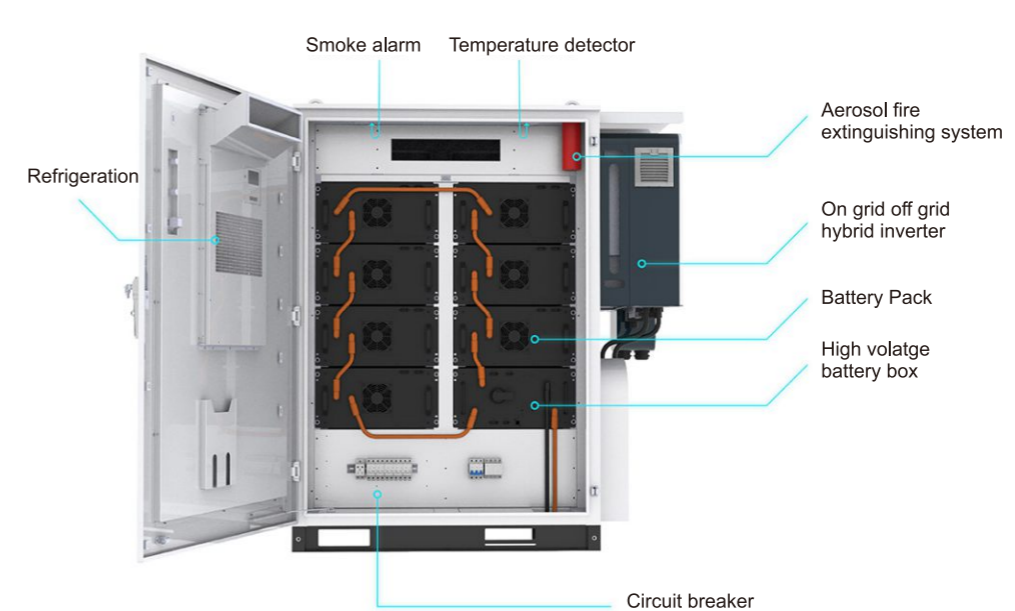


20/40-foot container for easy transportation



One-stop delivery shortens installation and commissioning cycles

Industrial and commercial light storage machine 100kWh-200kWh



Safe and reliable

- CATL LFP Cells
- Dual fire protection system design
- 1+1 redundancy design



Simple and friendly

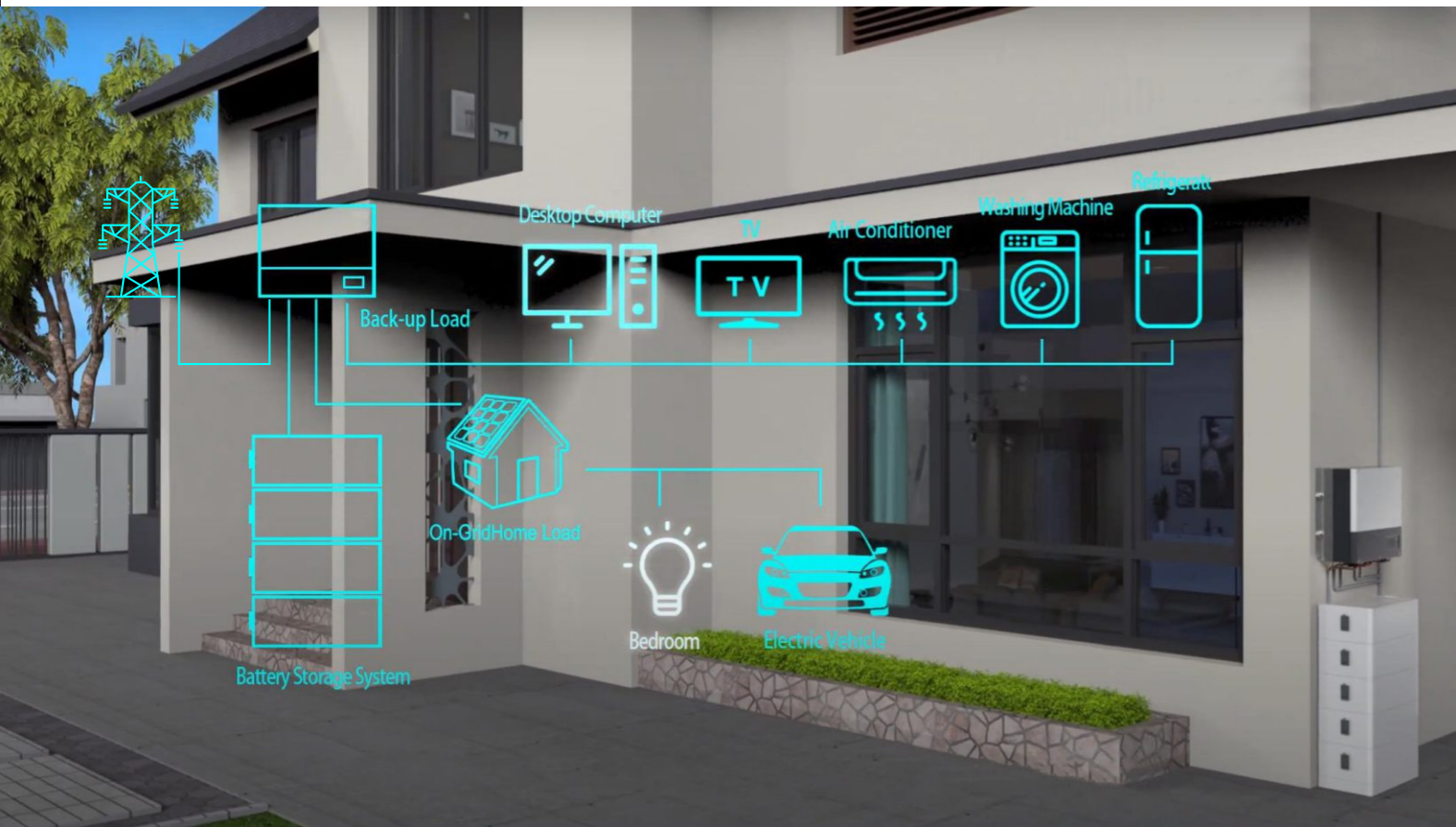
- Easy installation, factory pre-installed
- Integrated BMS/EMS, adapt to a variety of application scenarios
- Simple operation, cloud control



Economical and efficient

- 100% DOD, increase product ROI
- High efficiency design for safety
- Improved cooling efficiency

Hybrid Storage System



Hybrid Series

Intelligent working modes

- Self consumption mode for high tariff areas
- Charge priority mode for areas where grid power is unstable
- Force charge & discharge mode for areas where tariff varies by time

Smart EPS

- Plug & Play, seamless switching under 10ms
- Sufficient backup power for emergency use

Easy to use with battery

- Remote upgrade BMS firmware
- Wide range of compatible battery brands
- Wake up lithium battery from sleep mode
- Essential info uploaded to Lux server for quick ESS diagnosis
- Battery sharing with multi-inverters in single phase or three phase

Advanced Parallel

- Up to 10 units parallel, expandable to 120kW
- Single phase and unbalanced three phase paralleling

Key Features

- Light, fast & easy installation
- Free & handy monitoring on mobile / PC
- Multi phases output on different hybrid models
- Generator interface available

Project Case

Zhejiang Huzhou

2.8MW Rooftop PV Plant



6MW Ground-mounted PV Plant

Norway



1.3MW Ground-mounted PV Plant

Brazil



17.4KW Rooftop PV Plant

Spain



80KW Ground-mounted PV Plant

Thailand



65KW Carport PV Plant

Vietnam



2.1MW Ground-mounted PV Plant

Brazil

Norway

2.8MW Ground-mounted PV Plant

Project Case



Project Case



40.25KW Rooftop PV Plant

Ukrainian



3MW Rooftop PV Plant

Morocco



443 KW Rooftop Power Plant

Vietnam



550KW Rooftop PV plant

Ukraine



Ukraine

300KW Rooftop PV Plant

Shinefar solar

Future is promising

new start
new journey
new glory

