

PIONEERING IN N-TYPE RESHAPING THE GREEN FUTURE

The world's leading high-efficiency solar technology company



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HANERSUN

THE PIONEER OF 700W+ TECHNOLOGY

Take technology as the bridge,
approach to a zero-carbon world



Hanersun is a world-leading energy technology company, with a business scope from the R&D and manufacturing of solar modules, energy storage products, to energy solutions. By focusing on high-efficiency technologies, it is one of the first to launch solar module of 600W+ and 700W+ in the industry.

By the end of 2023, Hanersun has cumulatively delivered over 12GW solar modules to more than 90 countries and has developed and built 800MW of solar projects in the Asia Pacific. Its branches have been set up in Europe, the US, Japan, Vietnam, Hong Kong, and Pakistan to provide seamless services for local customers.

In 2023, Hanersun was ranked as a BNEF Tier 1 module manufacturer, one of PVBL's 'Top 100 Global PV companies' and 'The Fastest Growing PV Company'.

SUSTAINED GROWTH

MILESTONES

2004
Originated in Nanjing, China

2015
Set up Hong Kong company
One of the first to release PERC PV module series

2016
The capacity of commissioned projects exceeded 300MW

2017
Practices globalization strategy, set up the Japan, US, and Pakistani branches

2020
TOP 10 PV module exporter in South-east Asia and grew into a global mainstream module supplier

2021
The shipments of bifacial 600W+ module ranked among the top five in the world

2022
Expanded into energy storage industry, set up Hanersun ESS Solution company

2023
Upgraded production lines, fully entered the N-Type era

Tier 1
Solar Module Manufacturer

12 GW+
Cumulative Modules Shipments

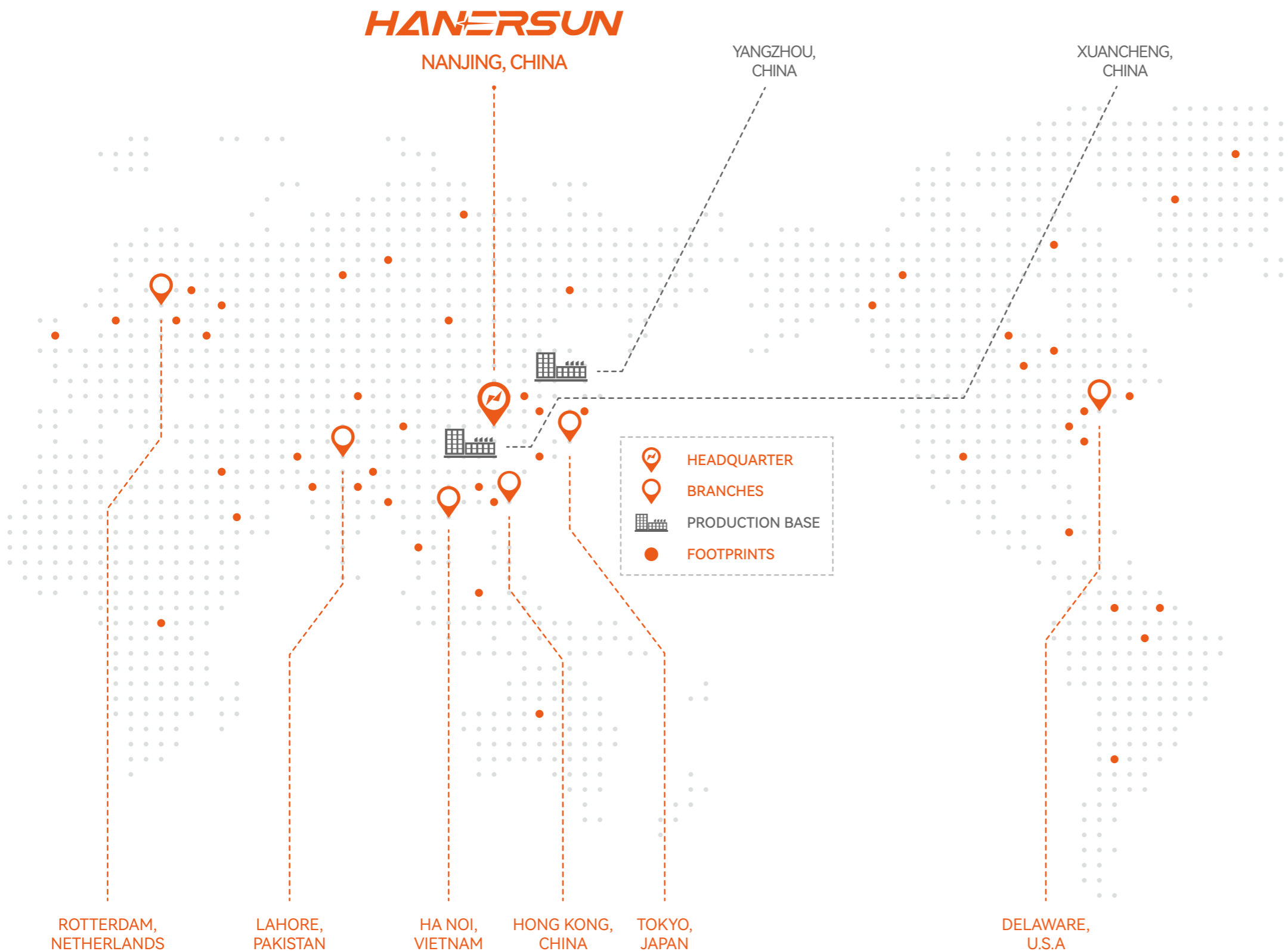
100+
Solar Patents

50+
Financial Partners

800 MW
Projects Commissioned

90+
Countries Business Footprints

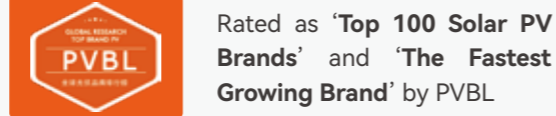
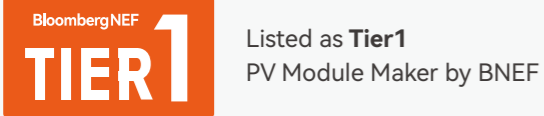
GLOBAL NETWORK



Headquartered in Nanjing, China, with business footprints in over 90 countries and regions worldwide, Hanersun has established branches in the USA, Europe, Japan, Vietnam, Pakistan, and Hong Kong to provide high-efficiency, high-quality products and reliable services to global customers.

SUPERIOR VALUE

Trusted by more than 50 international banks and financial institutions, bringing continuous and stable return on investment to global clients.



WIN-WIN COOPERATION



800+ customers worldwide embrace the growth and innovation of Hanersun



INNOVATION DRIVEN



Hanersun is committed to the continuous R&D of solar modules and owns more than 100 technology patents, with independent intellectual property rights in the core areas of bifacial and TOPCon technology. We have taken the lead in launching the 210mm module and TOPCon module in the industry.

2021

- Released the **HITOUCH 5** 182mm half-cell module
- Released the **HITOUCH 6** 210mm half-cell module

2022

USHERING IN A NEW ERA OF N-TYPE

- Released the **HITOUCH 5N** 182mm TOPCon module

2023

700W+ ULTRA-HIGH EFFICIENCY MODULES

- Released the **HITOUCH 6N** 210mm TOPCon module
- Released the **HITOUCH 5A** 182mm ABC module

2024

- Release new heterojunction solar module



100+
Solar Patents



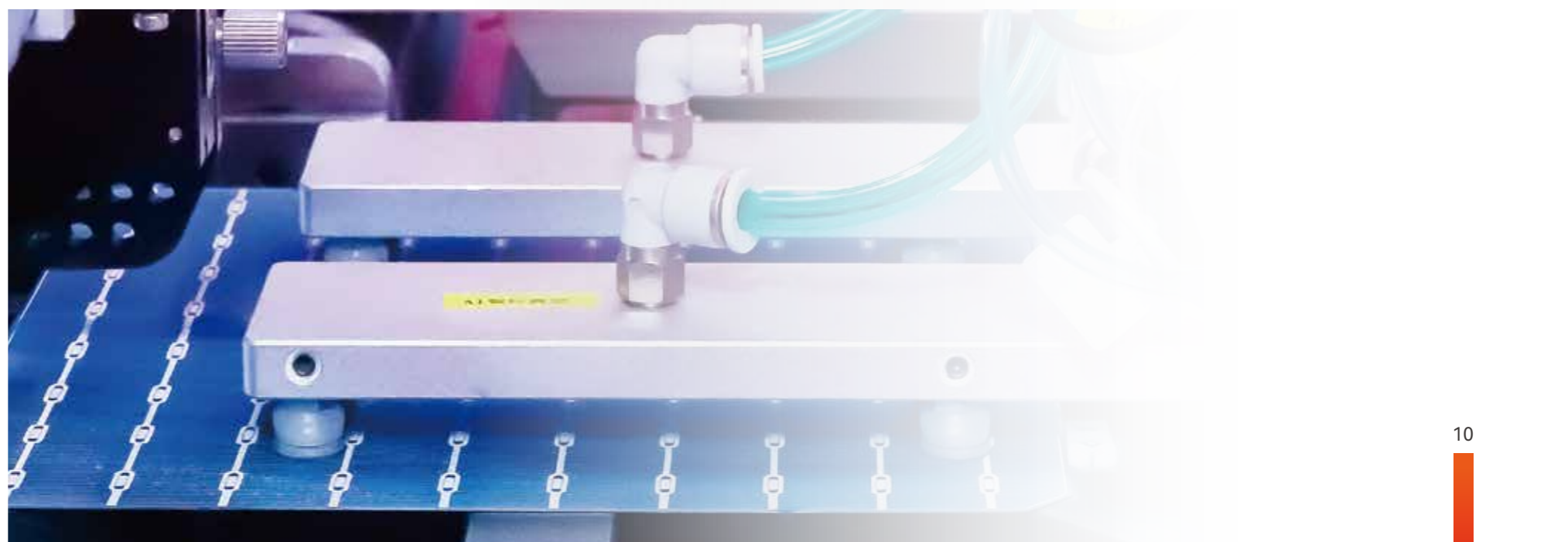
Experienced
R & D Engineers



Module Efficiency
up to 23.2%



Highly Competitive
Product Iterations



MODULE SERIES

HITOUCH



PERC SOLAR CELL
HIGH COST-EFFECTIVENESS

HIGH RELIABILITY
FLEXIBLE APPLICATION

Advanced 182 / 210mm technology platform

High-efficiency PERC cell with non-destructive cutting

Multiple busbar design increases power output by 1-2%

0.5mm cell spacing, high-density encapsulation

Round wire busbars increase power output by 2%

All black customizable

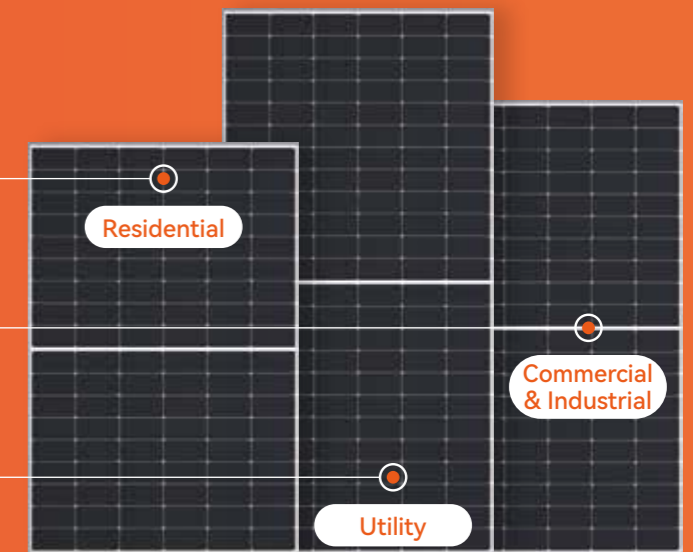
Hitouch 5

182mm PERC Series

108 cells | 54H | 415W | 21.25%

120 cells | 60H | 460W | 21.24%

144 cells | 72H | 560W | 21.68%



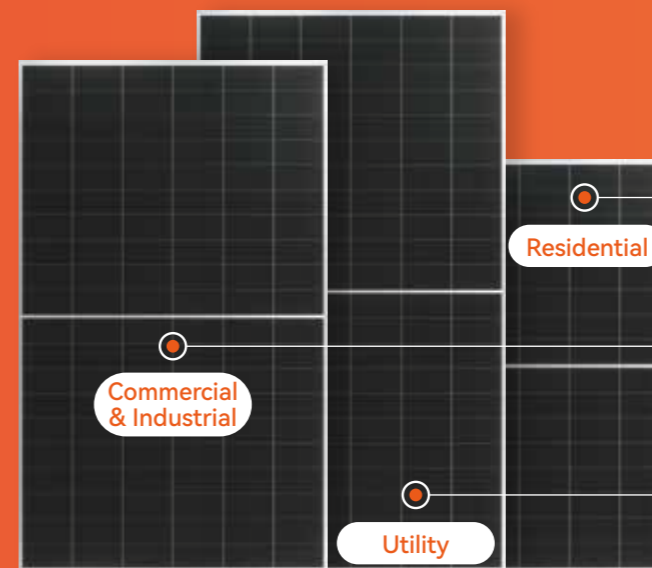
Hitouch 6

210mm PERC Series

80 cells | 40H | 405W | 21.07%

120 cells | 60H | 610W | 21.55%

132 cells | 66H | 670W | 21.60%



HITOUCH N

TOPCON SOLAR CELL HIGH EFFICIENCY
ZERO LID/LETID EFFECT EXCELLENT BIFACIAL RATE

High-efficiency TOPCon cell with non-destructive cutting

Multiple busbar design increases power output by 1-2%

0.5mm cell spacing, high-density encapsulation

Round wire busbars increase power output by 2%

Bifaciality up to 80%-85%

All black customizable

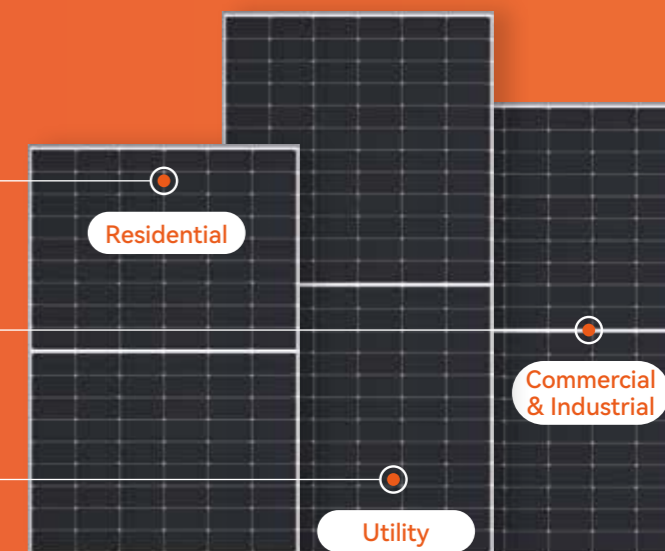
Hitouch 5N

182mm TOPCon Series

108 cells | 54H | 440W | 22.53%

120 cells | 60H | 490W | 22.62%

144 cells | 72H | 590W | 22.84%



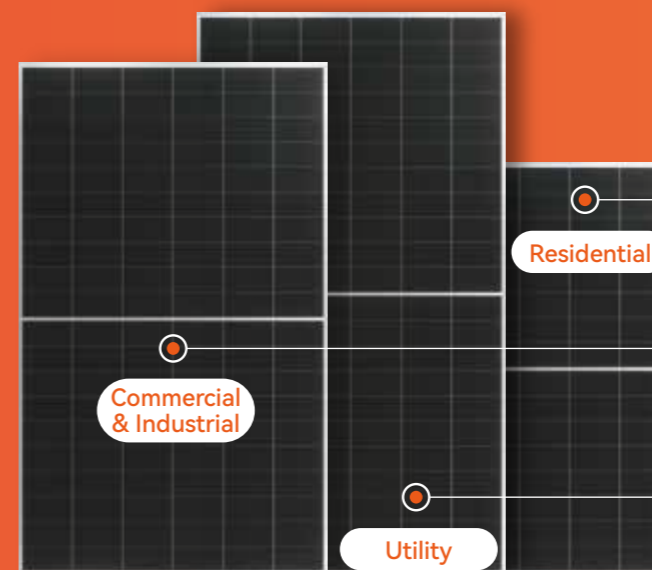
Hitouch 6N

210mm TOPCon Series

80 cells | 40H | 425W | 22.11%

120 cells | 60H | 635W | 22.44%

132 cells | 66H | 700W | 22.53%



HITOUCH A

BACK CONTACT SOLAR CELL
HIGHER EFFICIENCY

AESTHETIC APPEARANCE
MORE RELIABLE AND DURABLE

182mm all back contact cell with
non-destructive cutting

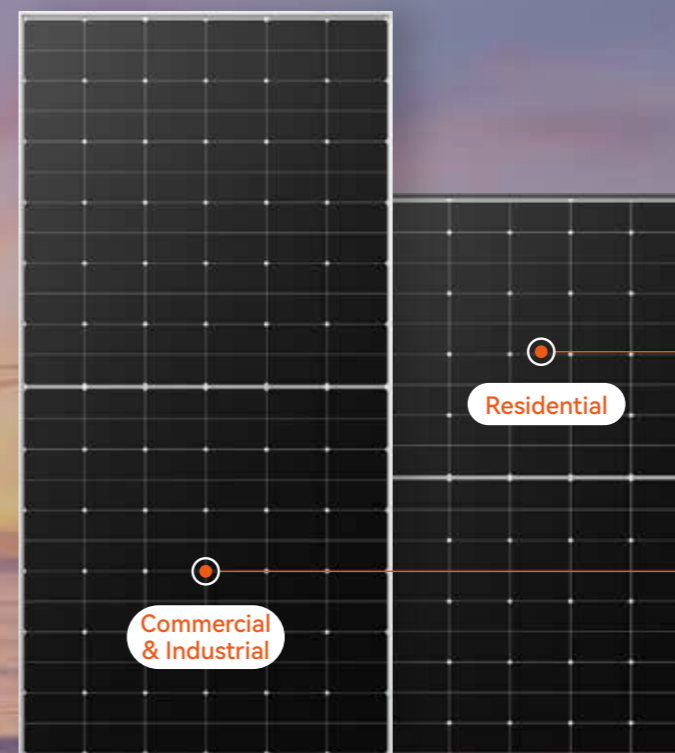
Front-side busbar-free design achieves
perfect balance between
aesthetics and efficiency

Full back interconnection
increases front light absorption
by about 2%

All-back soldering technology
allows for reducing stress
on cell strip edges

Hitouch 5A

182mm ABC Series



108 cells | 54H | 450W | 23.00%

144 cells | 72H | 600W | 23.20%

INTELLIGENT MANUFACTURING

AUTOMATION



INTELLIGENCE



RE FINEMENT



WHOLE PROCESS TRANSPARENT AND TRACEABLE

7*24 ON-LINE MONITORING



Hanersun continues to improve the automation and intelligence of the production process, and build a lean and flexible intelligent production mode, with the integration of production and research at its core. In 2023, Hanersun completed the comprehensive upgrade of the existing production lines, equipping them with TOPCon-compatible production equipment. With high precision, high yield, and fast switching advantages, the company has effectively improved capacity utilization and reduced production costs.





PROVEN QUALITY



Quality is our core value. With unceasing efforts, Hanersun has developed its exclusive quality management system based on international advanced management experience.

Flawless supplier management and evaluation system, 100% batch inspection

Full data monitoring through MES and AOI to promote process upgrading

100% OQC inspection, random OBA inspection

52 quality check points, 3*100% EL tests

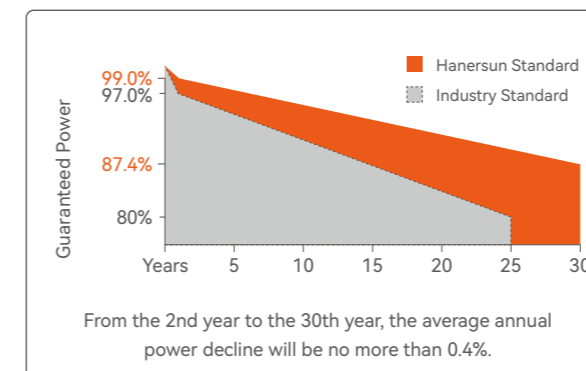


EXTRA-LONG WARRANTY

BIFACIAL

15-year product warranty

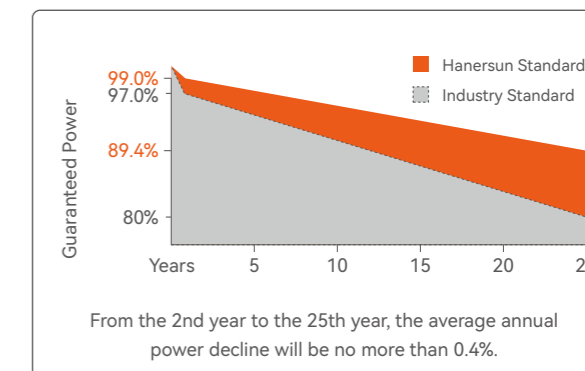
30-year performance warranty



MONOFACIAL

12-year product warranty

25-year performance warranty



PV-STORAGE INTEGRATION

EXPANDING THE BOUNDARIES OF SOLAR

To Meet More Diversified Applications



In areas where electricity prices are high, solar energy storage system is the best solution to reduce power purchase expenses. Established in 2022, Hanersun ESS Solution Co., Ltd. is a wholly-owned subsidiary of Hanersun Technology Co., Ltd., focusing on energy storage products and solutions. The company released the new generation of residential energy storage systems, HISMART-HV and HISMART-LV series, at the end of 2022. In 2023, Hanersun developed its smart C&I system solution to fulfill various C&I storage needs.









RESIDENTIAL SOLUTIONS

HISMART-HV SERIES




HNB High-voltage Battery	7.5-20 kWh
HNI Three Phase Hybrid Inverter	5-30 kW

-  Adopt A Grade LFP Cell
-  Smart Monitoring & Remote Firmware Upgrade
-  Switch Time < 10ms
-  Compact Size and Easy Installation
-  Build in Anti-feed-in Function
-  Support Unbalance Load

HISMART-LV offers all the benefits of HISMART HV to single-phase residential applications, providing smart control of home power management.

HISMART-LV SERIES

HNB Low-voltage Battery	5/10 kWh
HNI Single Phase Hybrid Inverter	3/5 kW




C&I SOLUTIONS

WIDE OUTPUT RANGE, HIGH RELIABILITY.



HNESS3440/L-20H 3.44 MWh


Intelligent Energy Storage Cabinet
Liquid Cooling
BMS, Battery, EMS

HNESS344-L 344 kWh

Utility Storage System
Liquid Cooling
BMS, Battery

HNESS215-L 100 kW / 215 kWh

Utility Storage System
Liquid Cooling
BMS, Battery, PCS



GLOBAL PROJECTS



Hanersun provides a wide range of high efficiency modules and professional solar system solutions depending on the different types of application scenarios and customer needs. It is Hanersun's mission to continuously push boundaries and broaden the possibilities of solar applications.



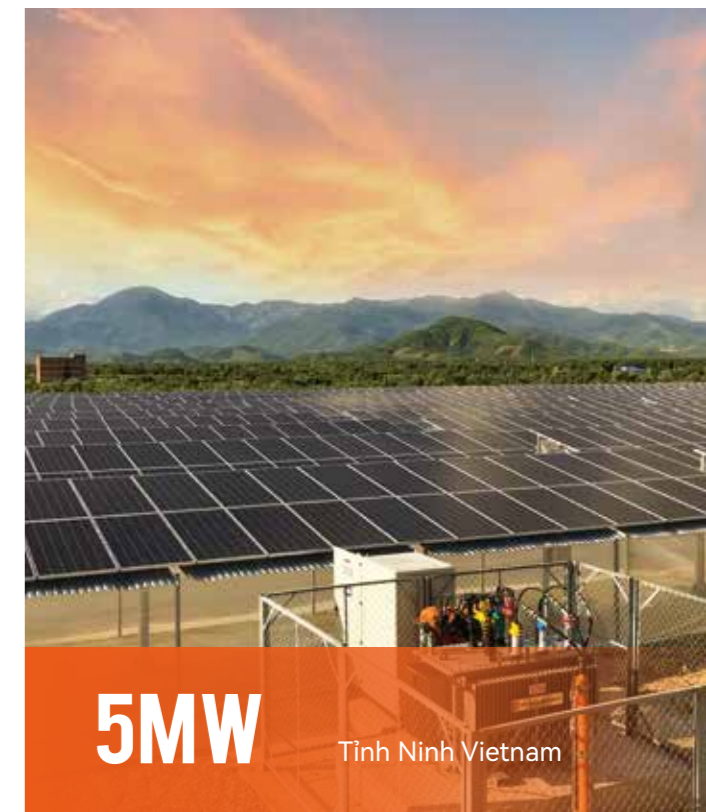
25MW

Sa Kaeo Thailand



48MW

Guizhou China





TOWARDS THE SUN
TO A GREEN AND SUSTAINABLE FUTURE

