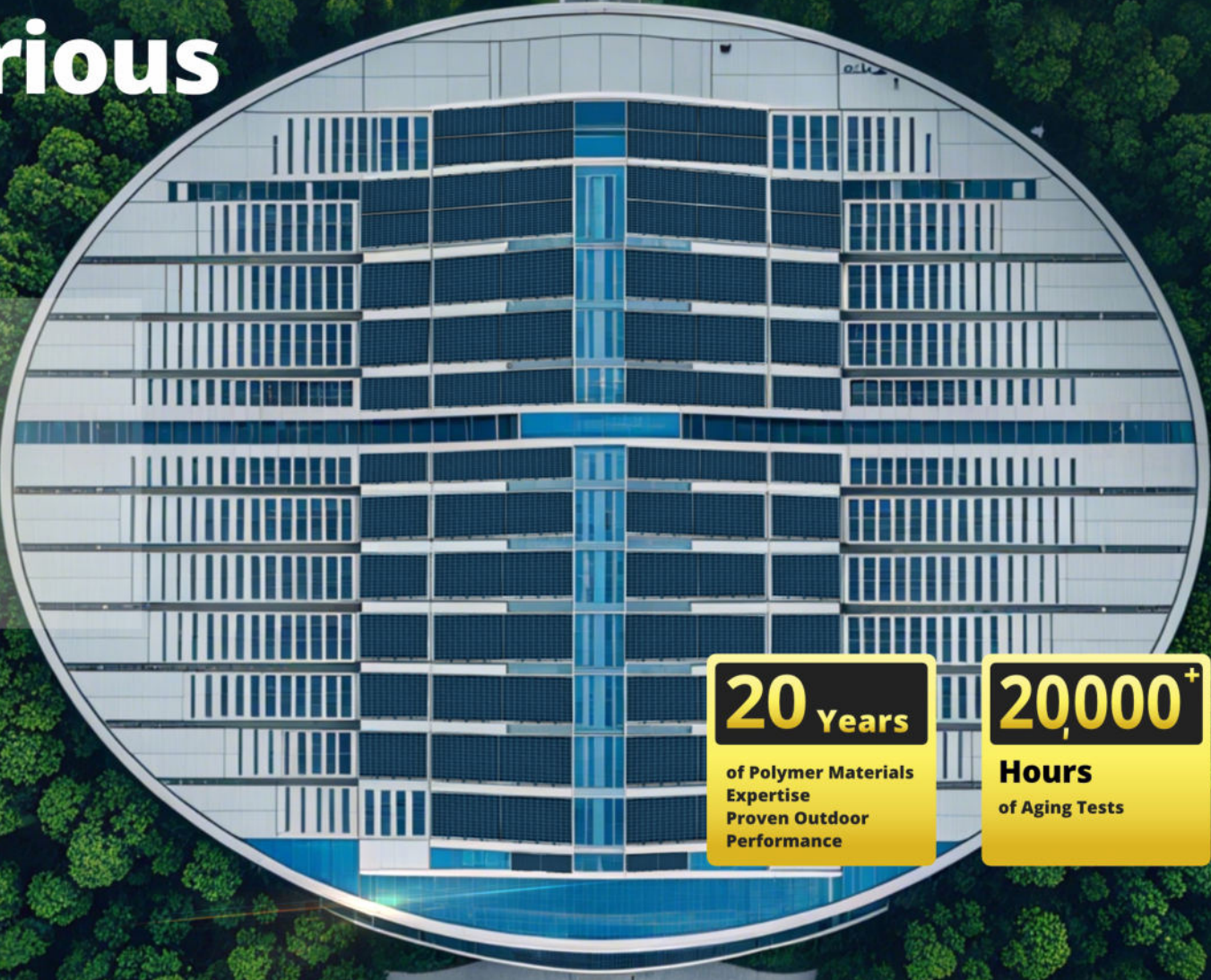


Easy to Install and Remove, Flexible for Various Applications

Lightweight Photovoltaic Modules



20 Years

of Polymer Materials
Expertise
Proven Outdoor
Performance

20000⁺

Hours
of Aging Tests

Product Features



Integrated PV Module with Mounting Structure



Supports Removable Installation, Enabling
Project Flexibility and Upgrades



Reinforced Rigidity to Reduce Microcracks
During Installation

Technical Support & Advanced Material Technologies



Polymer Chain Group Modification Technology

- Front sheet light transmittance $\geq 91\%$.
- Water vapor transmission rate $< 0.8\text{g/m}^2\cdot\text{day}$.
- 25-year power warranty, ensuring long-term high performance.



Enhanced Resin-Fiber Interface Technology

- Static load resistance up to 5400 Pa.
- IEC61215 hail test certified.
- TÜV wind tunnel tested, resistant to Category 17 typhoons.



Nano-Hybrid Modification and Surface Fire-Resistance Treatment

- Passed flame spread and burn block tests.
- Does not collapse or spread sparks in mild fire scenarios.

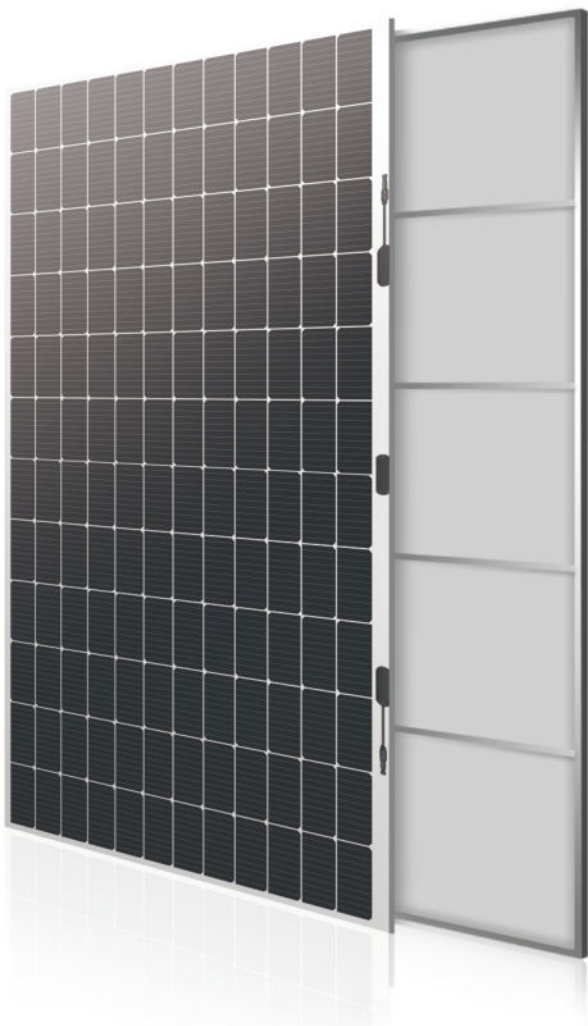


Nanoscale oxide coating (optional)

- Inhibits static electricity and dust accumulation, reducing hot spot effects.
- Quick rinse cleaning boosts power generation by 3–5%.

YY1-72H520PC

505~535w



Application Scenarios

Suitable for scenarios where the installation surface requires renovation, low-load scenarios with specific mounting requirements, and areas with high wind load.

facebook



LinkedIn



Instagram



POLYSHINE SOLAR CO.,LTD.

Address: 288 Mao Dian Road,
Qingpu District,
Shanghai 201716, China

505~535w

STC: AM=1.5, irradiance1000W/m², Component temperature25°C

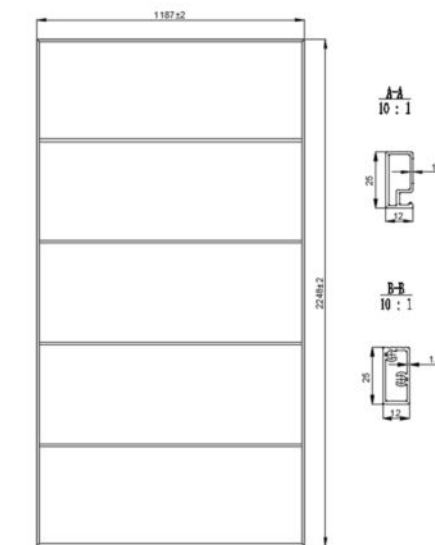
NMOT: irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Temperature Coefficient of Power(Pmax)	-0.36%/°C
Temperature Coefficient of Voltage(Voc)	-0.26%/°C
Temperature Coefficient of Current(Isc)	0.04%/°C

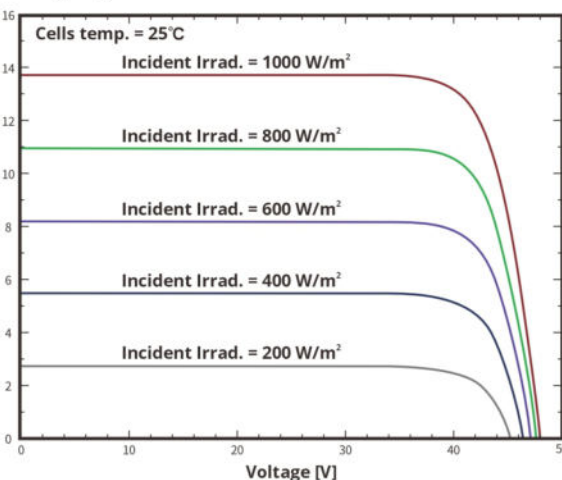
Max System Voltage	DC1500V(IEC)
Max Series Fuse Rating	20A
Operating Temperature Range	-40℃ ~ +85℃

Dimensions (L×W×H)	2248mmx1187mmx28mm (without junction box)
Weight	13.0kg
Cell	P-Type
Encapsulant Material	POE
Backsheet Type	Backsheet (White)
Frame Material	Aluminum alloy
Connector Type	MC4-Evo 2
Junction Box IP Rating	IP68
Cable Specification	4mm ² , 460mm Or customized by customers
Bending Radius	/
Weight per Unit Area	4.87kg/m ²
Power per Unit Area	189.7~201.0W/m ²

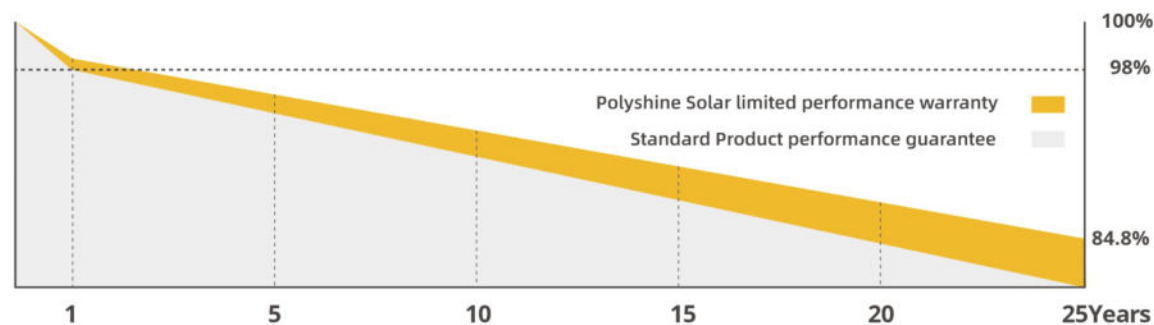
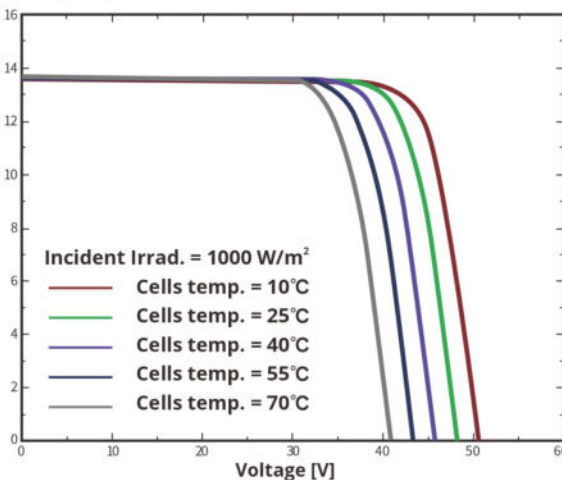
Transport Mode	Specification	Qty per Container (40HQ)	Qty per Pallet
Container	20'GP	140pcs	28pcs
Container	40'HQ	280pcs	28pcs



Current-voltage characteristics at varying irradiance



Current-voltage characteristics at varying cell temperature



12Yrs
QUALITY

25Yrs
POWER

- ※ The power output shall not be less than 98% of the minimum output power specified in the product datasheet during the first year from the date the system is installed and operating normally;
- ※ Annual degradation $\leq 0.55\%$ thereafter;
- ※ $\geq 84.8\%$ by year 25, based on the minimum output specified in the datasheet.