

Photovoltaic Color Palette Architectural Aesthetics Under the sun

Colorful Lightweight Flexible PV Modules

20 Years

of Polymer Materials
Expertise
Proven Outdoor
Performance

20000⁺

Hours
of Aging Tests

Product Features



Customizable surface colors to suit architectural aesthetics.



Dust-resistant and self-cleaning for sustained high efficiency.



Anti-glare design.

Technical Support



Polymer Chain Group Modification Technology

- Front sheet water vapor transmission rate: <0.8 g/m²day.
- 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

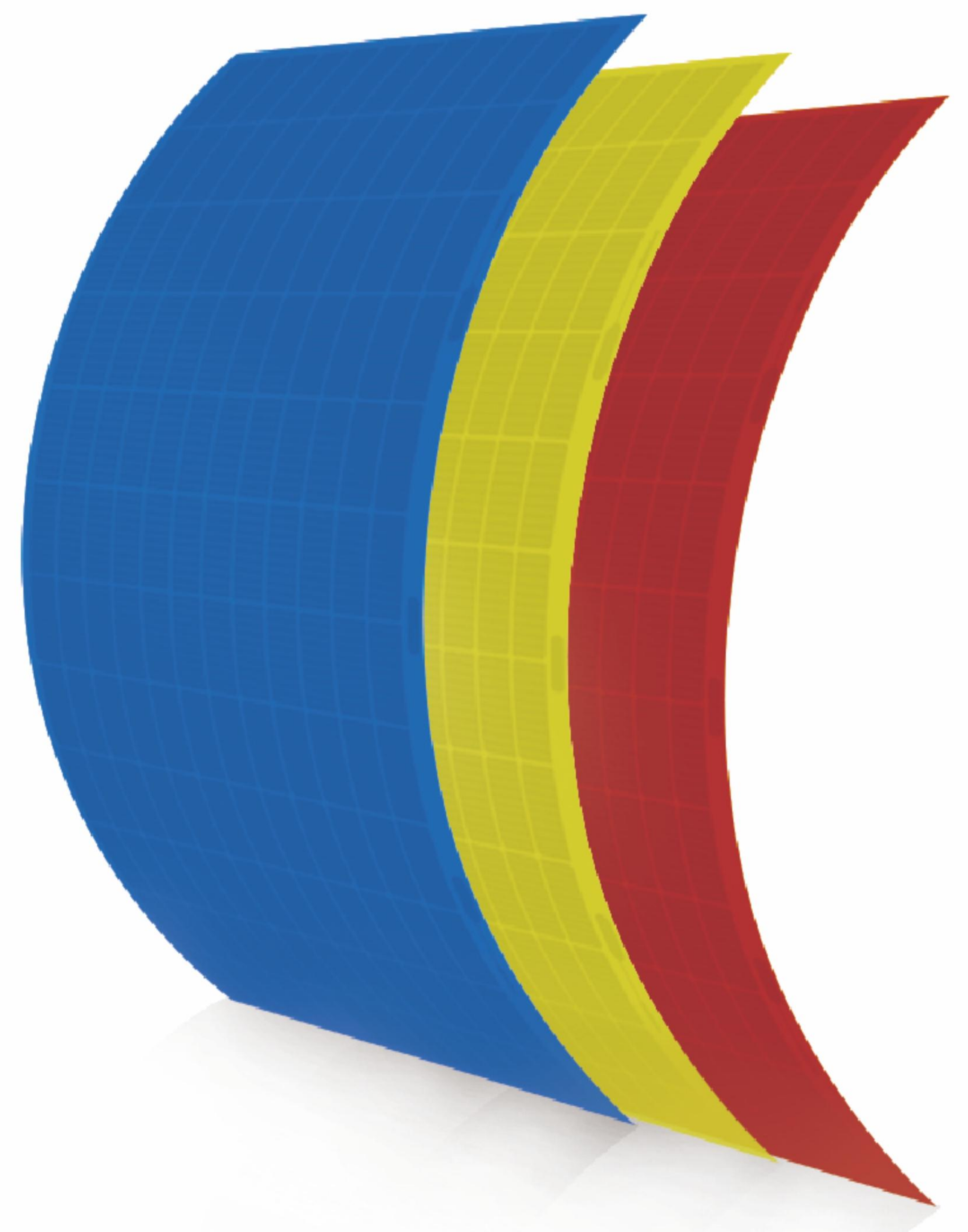
- Passed flame spread and burn block tests.
- Does not collapse or spread sparks in mild fire scenarios.



Nano Oxide Coating Self-Cleaning Technology

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

JY1-72HxxxPC



Application Scenarios

Ideal for sports stadiums, art galleries, exhibition centers, and other buildings with specific color requirements.



POLYSHINE SOLAR CO., LTD.

Address: 288 Mao Dian Road,
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JY1-72HxxxPC

365~375w

ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS(STC)

Specification/Model	Unit	JY1-72H365PC	JY1-72H370PC	JY1-72H375PC
Maximum Power(Pm)	W	365	370	375
Power Tolerance	W	0 ~ +5W		
Optimum Operating Voltage(Vm)	V	41.99	42.22	42.45
Optimum Operating Current(Im)	A	8.71	8.78	8.85
Open Circuit Voltage(Voc)	V	49.20	49.40	49.60
Short Circuit Current(Isc)	A	9.09	9.17	9.25
Module Efficiency(nm)	%	13.7	13.9	14.1
STC: AM=1.5, Irradiance1000W/m², Component temperature25°C				

ELECTRICAL CHARACTERISTICS AT NMOT CONDITIONS

Specification/Model	Unit	JY1-72H365PC	JY1-72H370PC	JY1-72H375PC
Maximum Power(Pm)	W	276	280	284
Optimum Operating Voltage(Vm)	V	39.06	39.27	39.49
Optimum Operating Current(Im)	A	7.08	7.14	7.2
Open Circuit Voltage(Voc)	V	46.4	46.6	46.8
Short Circuit Current(Isc)	A	7.29	7.35	7.41
Certified	TÜV			
NMOT: Irradiance 800W/m², ambient temperature20°C, wind speed1m/s				

TEMPERATURE COEFFICIENT

Nominal Module Operating Temperature (NMOT)	41±2°C
Temperature Coefficient of Power(Pmax)	-0.36%/°C
Temperature Coefficient of Voltage(Voc)	-0.26%/°C
Temperature Coefficient of Current(Isc)	0.04%/°C

OPERATING CONDITIONS

Maximum System Voltage	DC1500V(IEC)
Maximum Series Fuse Rating	20A
Operating Temperature Range	-40°C ~ +85°C

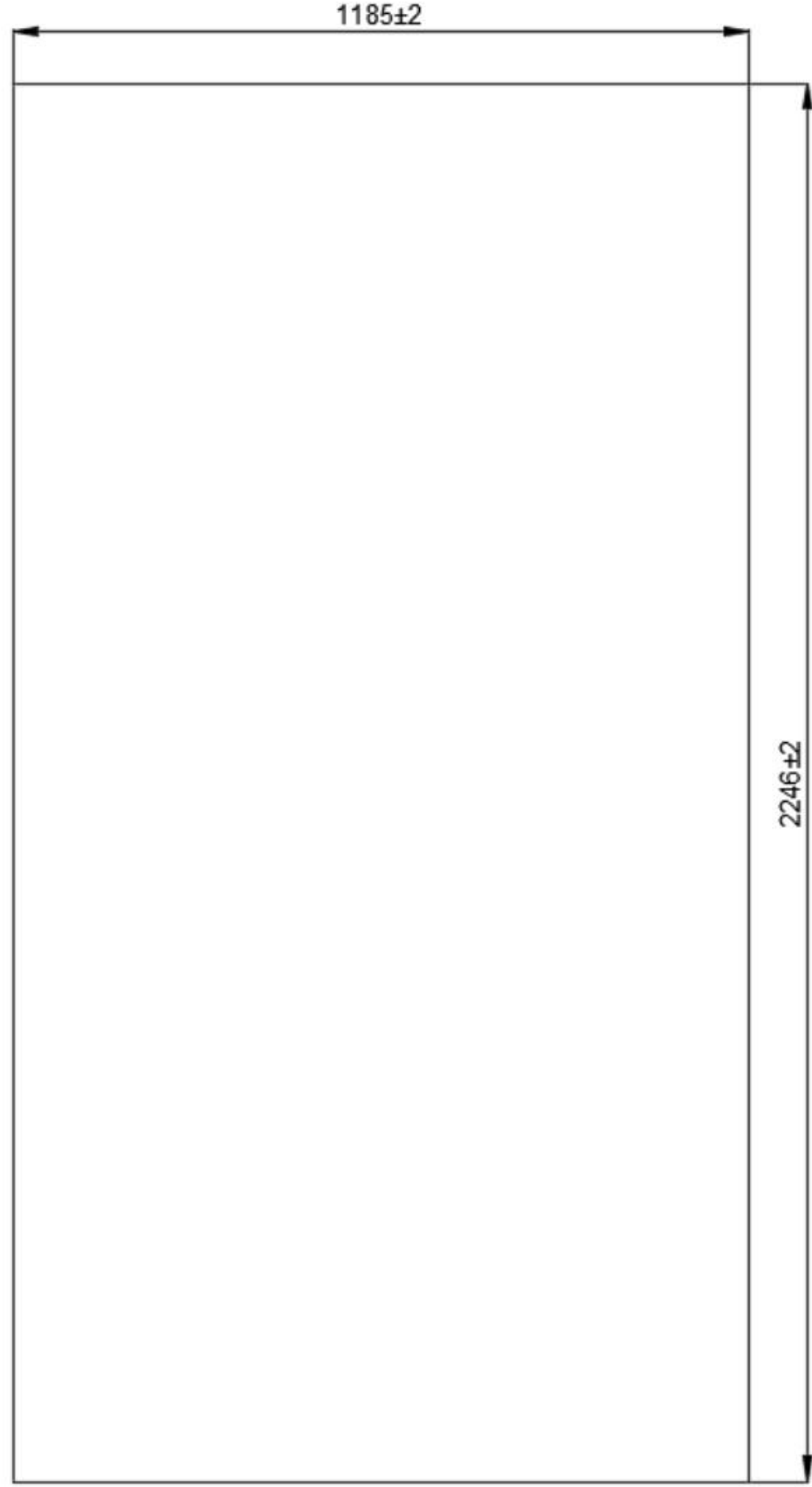
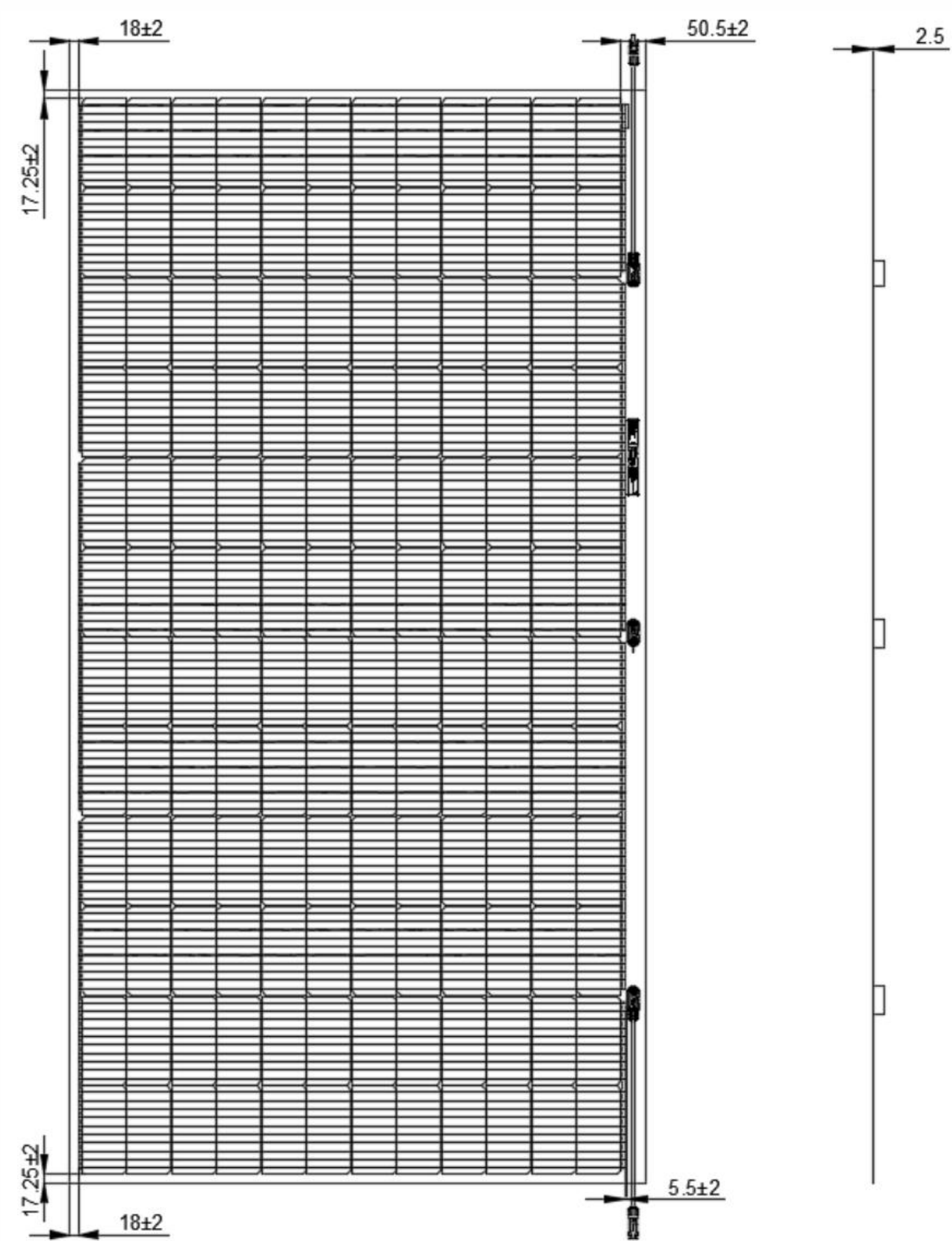
MECHANICAL CHARACTERISTICS

Dimensions (L×W×H)	2246mmx1185mmx2.5mm (without junction box)
Weight	7.9kg
Cell	P-Type
Encapsulant Material	EVA
Front/Back Panel Specifications	Front Panel(Blue) Back Panel(White)
Base Frame	Ti Alloy
Connector Type	MC4-Compatible
Junction Box IP Rating	IP68
Cable Specification	4mm², 400mm Or customized by customers
Bending Radius	0.5m
Weight per Unit Area	2.97kg/m²
Power per Unit Area	137.1~140.9W/m²

PACKAGING & TRANSPORTATION

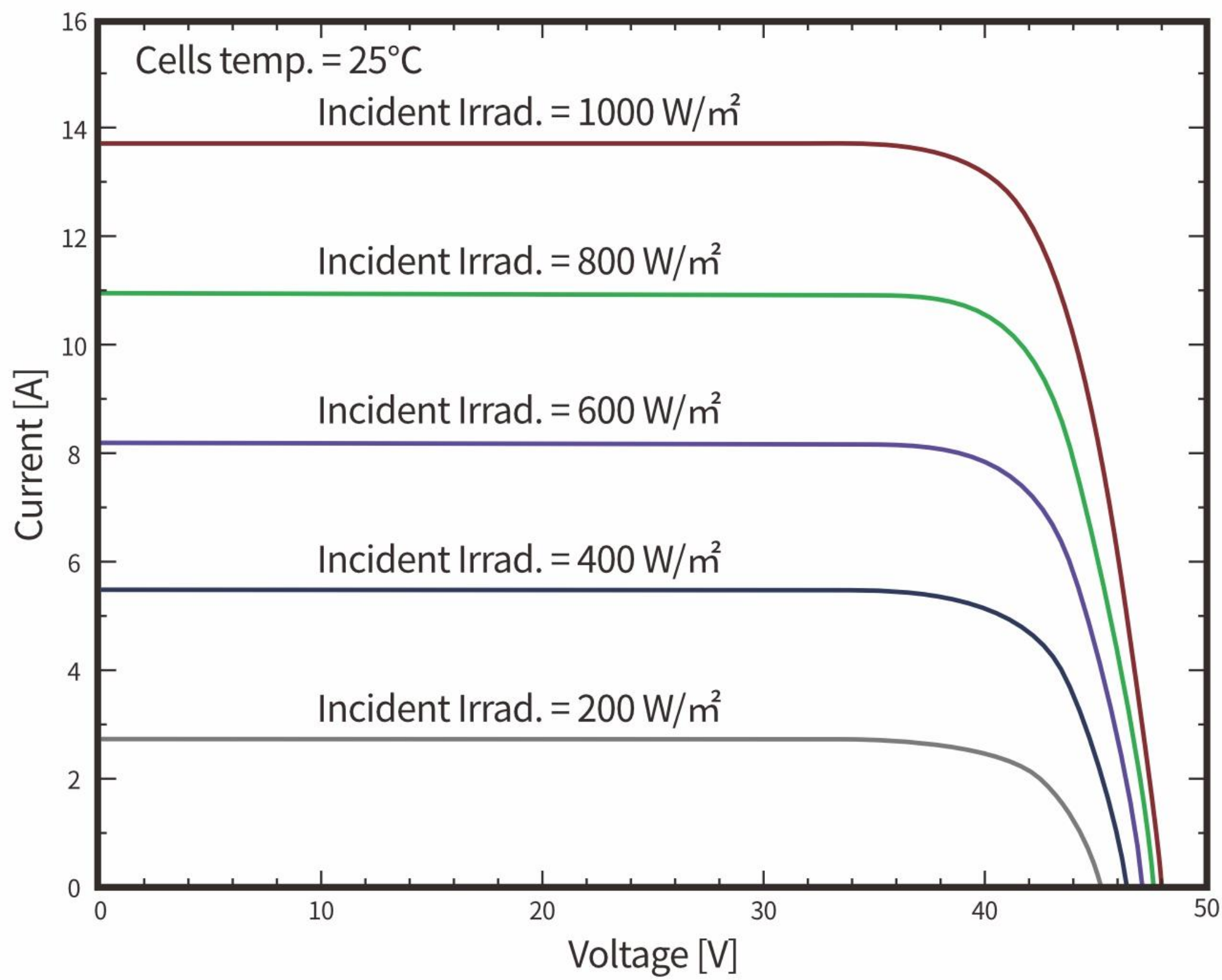
Transport Mode	Specification	Qty per Container (40HQ)	Qty per Pallet
Container	20'GP	456pcs	30/84pcs
Container	40'HQ	1026pcs	30/84pcs
Flatbed Truck	13m	1540pcs	70pcs
Flatbed Truck	17.5m	2100pcs	70pcs

MODULE SIZE

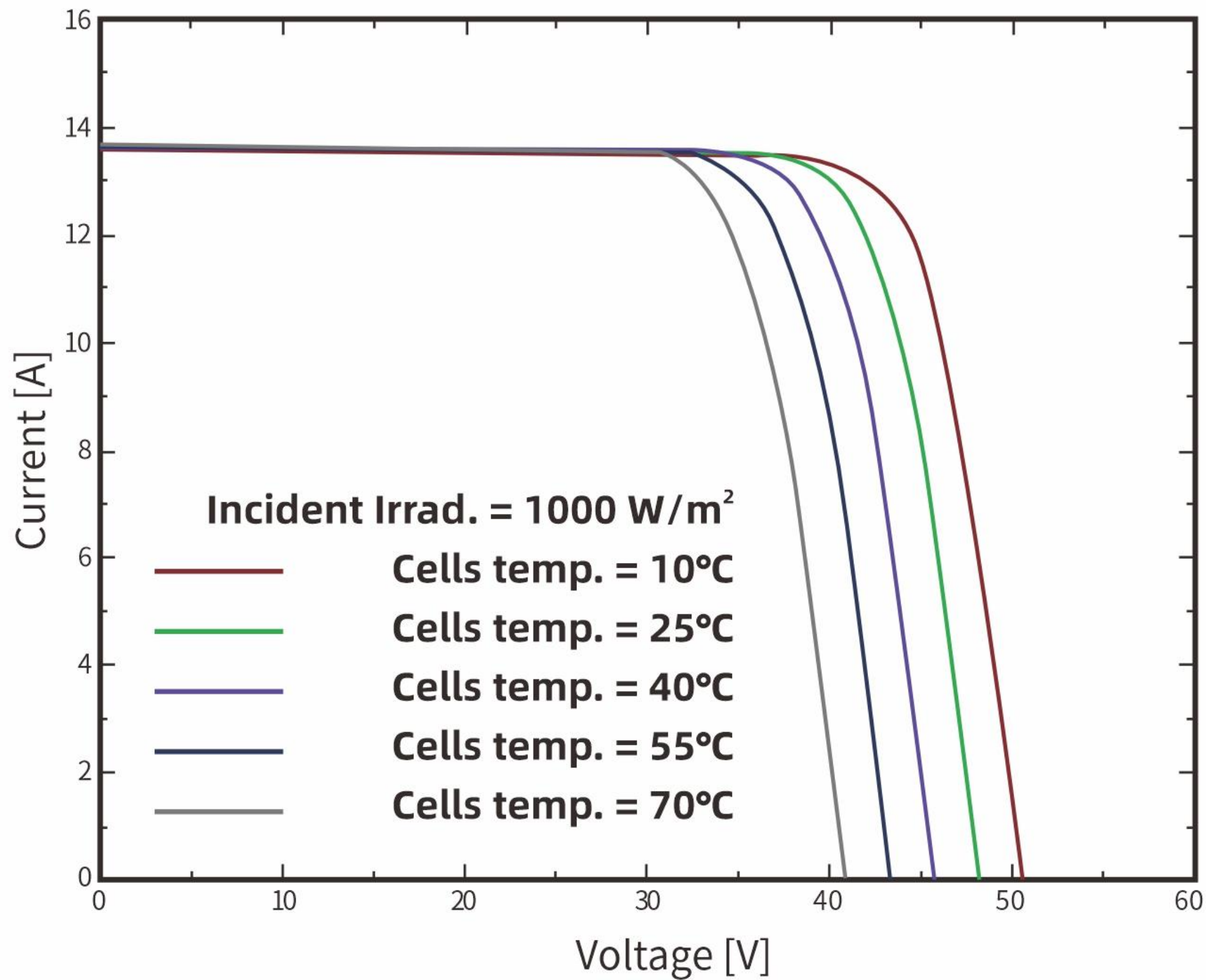


I-V CURVE

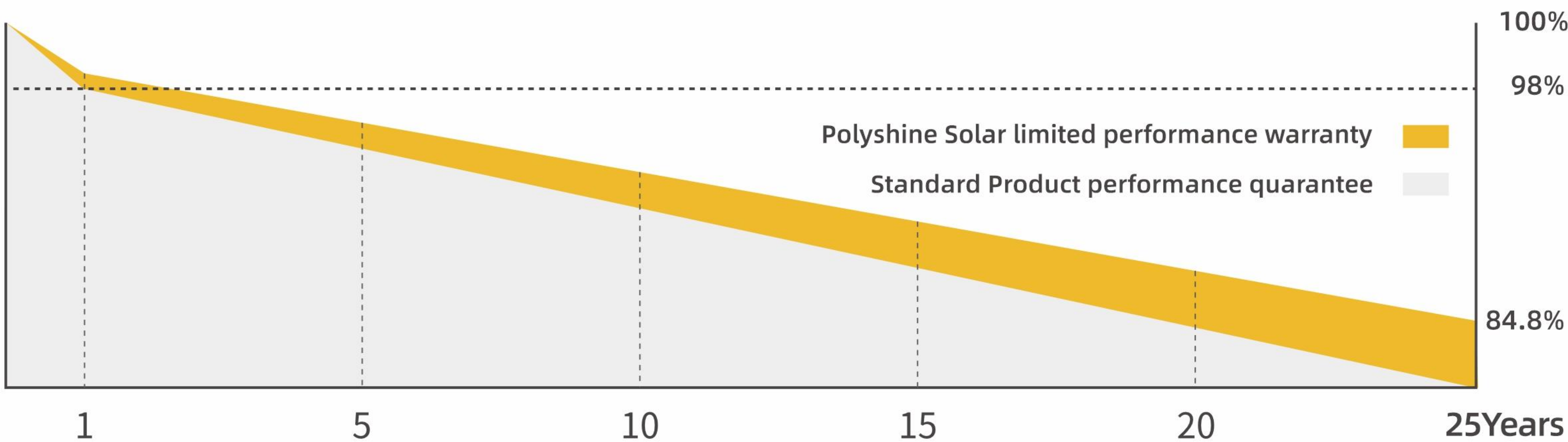
Current-voltage characteristics at varying irradiance



Current-voltage characteristics at varying cell temperature



PERFORMANCE WARRANTY



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 ≤0.55% thereafter;
- ※ ≥84.8% by year 25, based on the minimum output specified in the datasheet.