



Monocrystalline Solar Module

PMS345M-72

72 CELL

Mono Crystalline Module

17.96%

Maximum Efficiency

345W

Power Output Range

0/+3W

Positive Power Tolerance



Function Features



5 Busbar Solar Cell

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency

High module conversion efficiency (up to 17.96%), through innovative manufacturing technology.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Low-light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Maximized Energy Harvest

Impedance matching technology eliminates mismatch losses, more power from each module bin.



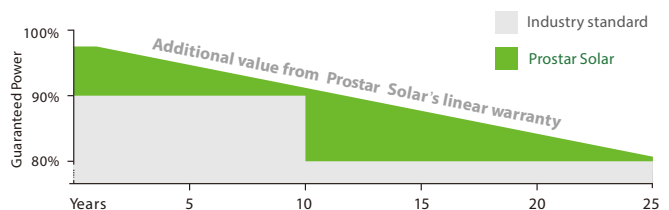
Higher quality assurance

100% EL test before and after lamination, and finished products EL test, providing higher quality assurance.

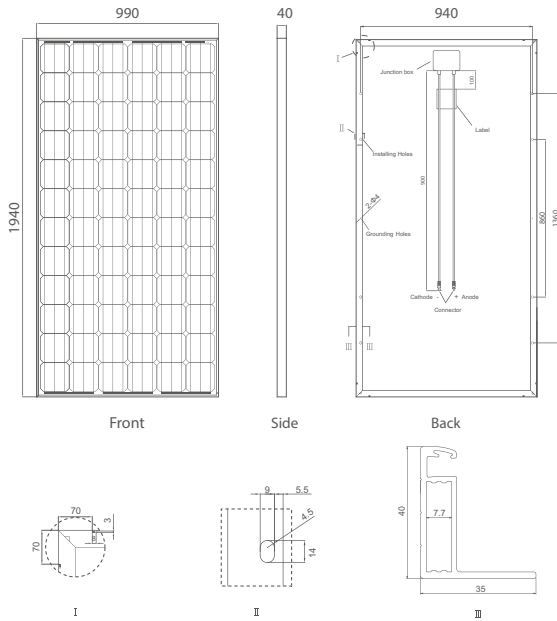
LINEAR PERFORMANCE WARRANTY

10-Year Product Warranty

25-Year Linear Power Warranty



Engineering Drawings

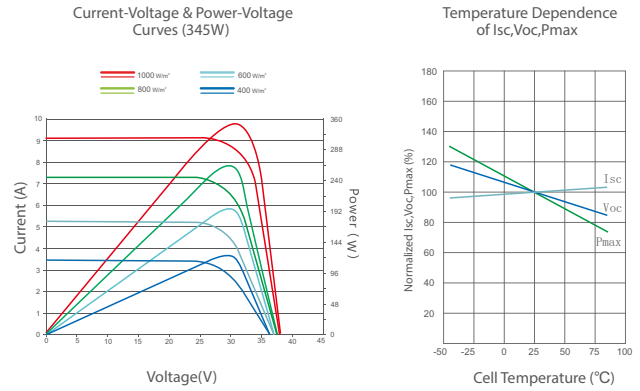


Packaging Configuration

(Two boxes=One pallet)

26pcs/box, 52pcs/pallet, 624pcs/40'GP Container

Current-Voltage Curves



Mechanical Characteristics

Cell Type	Monocrystalline 156×156mm
Cell Number	72 (6×12)
Dimensions	1940×990×40mm
Weight	21.00 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	1x4.0mm ² , Length:900mm

Technical Specifications

Module Type	PMS345M-72	
	STC	NOCT
Maximum Power (Pmax)	345Wp	279Wp
Maximum Power Voltage (Vmp)	38.8V	38.5V
Maximum Power Current (Imp)	8.89A	7.25A
Open-circuit Voltage (Voc)	47.3V	46.6V
Short-circuit Current (Isc)	9.62A	7.84A
Module Efficiency STC (%)	17.96%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	15A	
Power tolerance	0~+3%	
Temperature coefficients of Pmax	-0.39%/°C	
Temperature coefficients of Voc	-0.29%/°C	
Temperature coefficients of Isc	0.05%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

STC: ☀ Irradiance 1000W/m²

🌡 Cell Temperature 25°C

🌿 AM=1.5

NOCT: ☀ Irradiance 800W/m²

🌡 Ambient Temperature 20°C

🌿 AM=1.5

🌀 Wind Speed 1m/s

* Power measurement tolerance: ± 3%