



## Monocrystalline Solar Module

### PMS290M-60

**60 CELL**

Mono Crystalline Module

**17.86%**

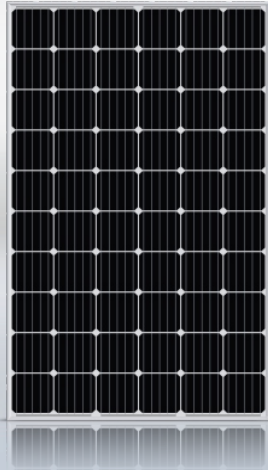
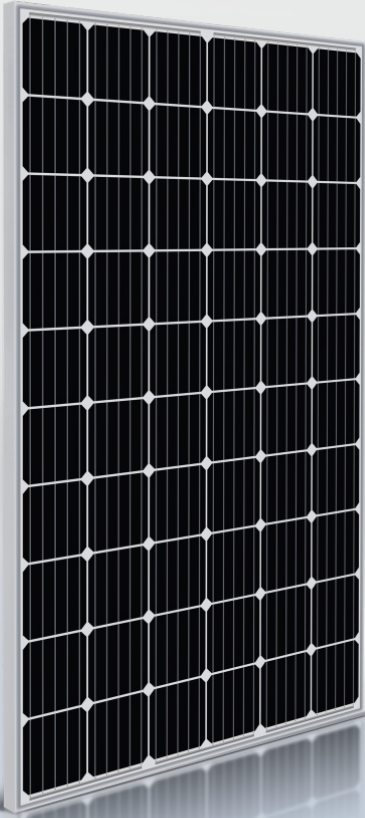
Maximum Efficiency

**290W**

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 17.86%), 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.



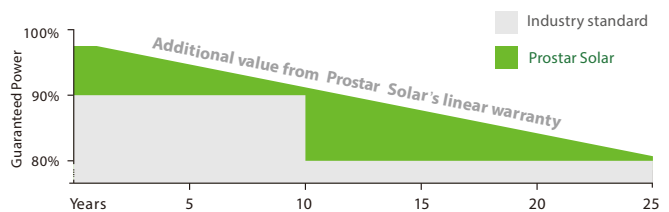
#### Higher quality assurance

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

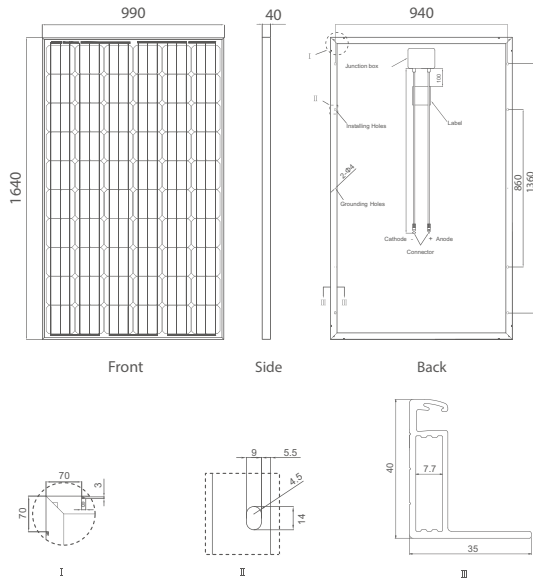
### LINEAR PERFORMANCE WARRANTY

10-Year Product Warranty

25-Year Linear Power Warranty



## Engineering Drawings

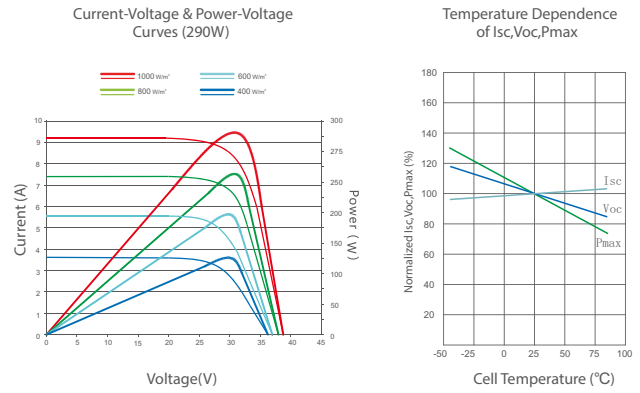


## Packaging Configuration

( Two boxes=One pallet )

26pcs/box, 52pcs/pallet,728pcs/40'GP Container

## Current-Voltage Curves



## Mechanical Characteristics

Cell Type	Monocrystalline 156×156mm
Cell Number	60 (6×10)
Dimensions	1640×990×40mm
Weight	17.00 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	1x4.0mm <sup>2</sup> , Length:900mm

## Technical Specifications

Module Type	PMS290M-60	
	STC	NOCT
Maximum Power (Pmax)	290Wp	216Wp
Maximum Power Voltage (Vmp)	32.2V	30.1V
Maximum Power Current (Imp)	9.01A	7.18A
Open-circuit Voltage (Voc)	39.5V	36.7V
Short-circuit Current (Isc)	9.75A	7.81A
Module Efficiency STC (%)	17.86%	
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/m<sup>2</sup> Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

\* Remarks:Products specifications are subject to change without notice.