



Monocrystalline Solar Module

PMS315M-60

60 CELL

Mono Crystalline Module

19.28%

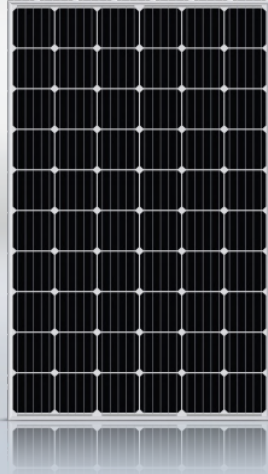
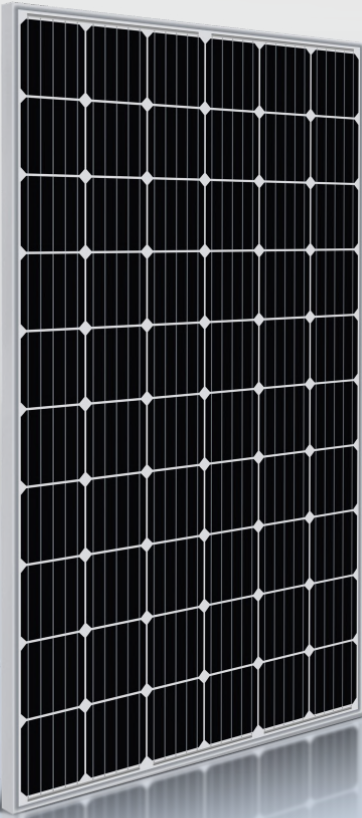
Maximum Efficiency

315W

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 19.28%), 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.



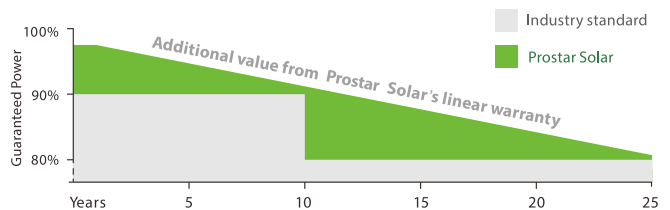
Higher quality assurance

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

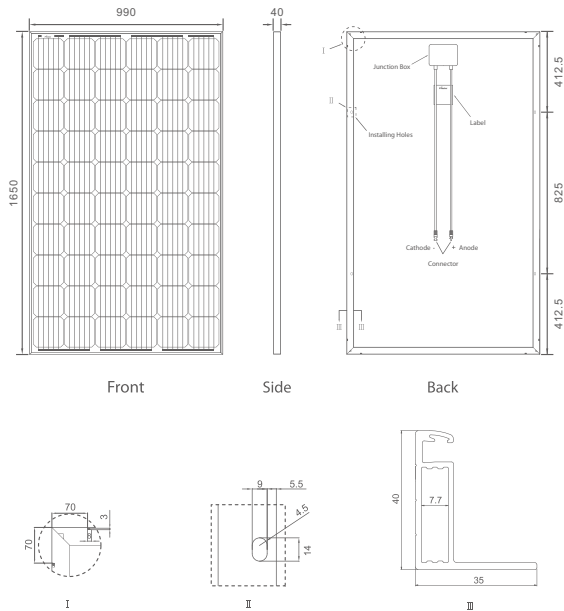
LINEAR PERFORMANCE WARRANTY

10-Year Product Warranty

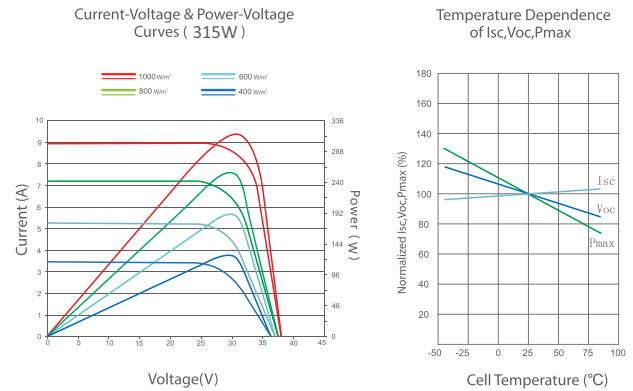
25-Year Linear Power Warranty



Engineering Drawings



Current-Voltage Curves



Mechanical Characteristics

Cell Type	Monocrystalline 156.75x156.75mm
Cell Number	60 (6×10)
Dimensions	1650x990x40mm
Weight	17.20kg
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

Packaging Configuration

(Two boxes=One pallet)

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

Technical Specifications

Module Type	PMS315M-60	
	STC	NOCT
Maximum Power (Pmax)	315W	238W
Maximum Power Voltage (Vmp)	32.90V	31.10V
Maximum Power Current (Imp)	9.59A	7.66A
Open-circuit Voltage (Voc)	40.80V	38.70V
Short-circuit Current (Isc)	10.34A	8.33A
Module Efficiency STC (%)	19.28%	
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