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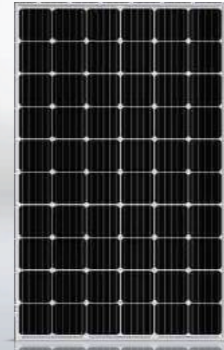
Solar Panel Guide Specification Data Sheet

**Guangdong Prostar New Energy Technology Co.,
Ltd.**

PMS275-300M-60

PMS290M-60

Also available on the web at
EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pms290m-60



Monocrystalline Solar Module 单晶硅太阳能组件

PMS300M-60

60 CELL
Mono Crystalline Module

18.48%
Maximum Efficiency

300W
Power Output Range

0/+3W
Positive Power Tolerance



Function Features 功能特点



Maximize Limited Space

60-cell module power output up to 300W.



High Efficiency

High module conversion efficiency (up to 18.48%), 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.



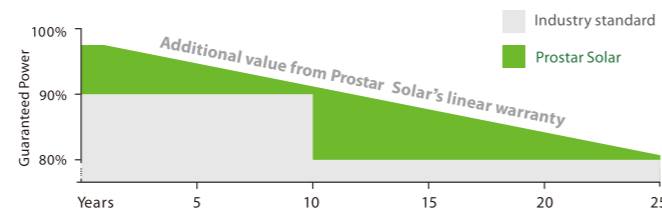
Higher quality assurance

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

LINEAR PERFORMANCE WARRANTY

10-Year Product Warranty

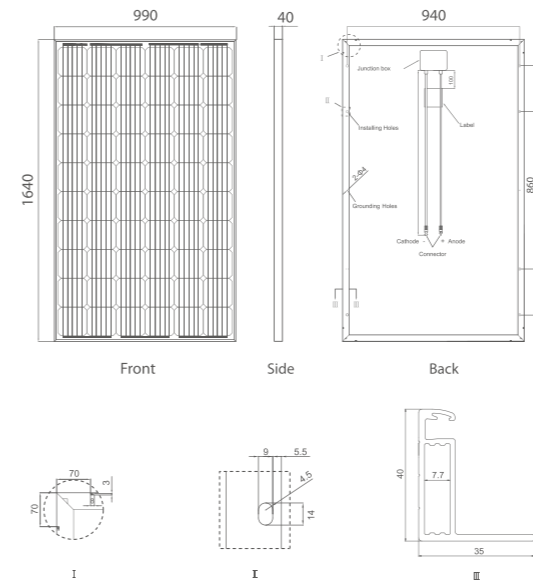
25-Year Linear Power Warranty



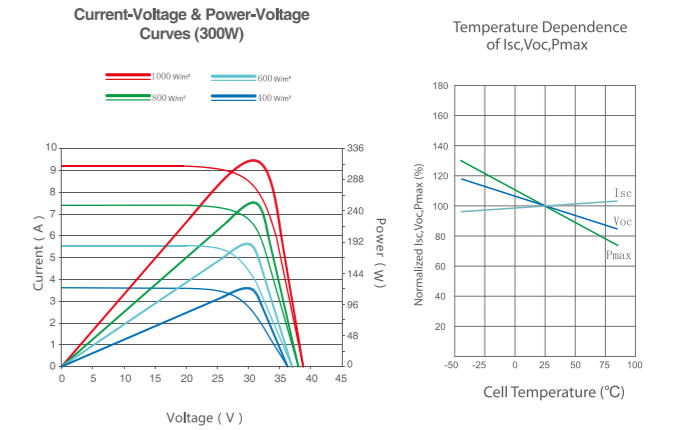
PMS300M-60

Monocrystalline Solar Module 单晶硅太阳能组件

Engineering Drawings 装配图



Current-Voltage Curves 曲线图



Mechanical Characteristics 机械性能

Cell Type	Monocrystalline 156×156mm
Cell Number	60 (6×10)
Dimensions	1640×990×40mm
Weight	17.0 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

Packaging Configuration 包装标准

(Two boxes=One pallet)
26pcs/ box, 52pcs/pallet, 728 pcs/40'GP Container

Technical Specifications 技术参数

Module Type	PMS275M-60		PMS280M-60		PMS285M-60		PMS290M-60		PMS295M-60		PMS300M-60	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	275Wp	205Wp	280Wp	208Wp	285Wp	212Wp	290Wp	219Wp	295Wp	221Wp	300Wp	255Wp
Maximum Power Voltage (Vmp)	31.6V	29.6V	31.8V	29.8V	31.8V	29.8V	32.2V	30.3V	32.4V	30.5V	32.6V	30.8V
Maximum Power Current (Imp)	8.70A	6.93A	8.81A	7.00A	8.96A	7.12A	9.02A	7.23A	9.11A	7.25A	9.21A	7.32A
Open-circuit Voltage (Voc)	38.5V	36.3V	38.6V	36.4V	38.7V	36.5V	39.5V	37.3V	39.7V	37.5V	40.1V	38.0V
Short-circuit Current (Isc)	9.40A	7.56A	9.49A	7.61A	9.66A	7.75A	9.75A	7.88A	9.83A	7.89A	9.92A	7.96A
Module Efficiency STC (%)	16.94%		17.25%		17.55%		17.86%		18.17%		18.48%	
Operating Temperature(°C)	-40°C~+85°C											
Maximum system voltage	1000VDC (IEC)											
Maximum series fuse rating	15A											
Power tolerance	0~+3W											
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

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