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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

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

**PPS260-275P-60**

**PPS265P-60**

Also available on the web at  
[EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pps265p-60](http://EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pps265p-60)



## Polycrystalline Solar Module 多晶硅太阳能组件

### PPS270P-60

**60 CELL**  
Poly Crystalline Module

**270W**  
Power Output Range

**16.63%**  
Maximum Efficiency

**0/+3W**  
Positive Power Tolerance



### Function Features 功能特点



**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 16.63%), 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.



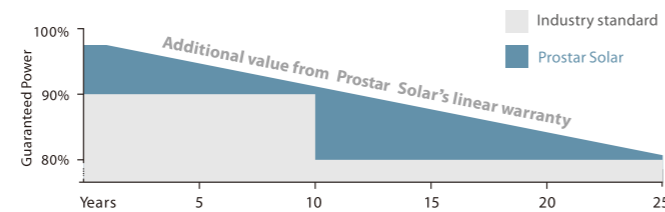
**Higher Quality Assurance**  
100% EL test before and after lamination, and finished products EL test, providing higher quality assurance.



**Maximized Energy Harvest**  
Impedance matching technology eliminates mismatch losses, more power from each module bin.

### LINEAR PERFORMANCE WARRANTY

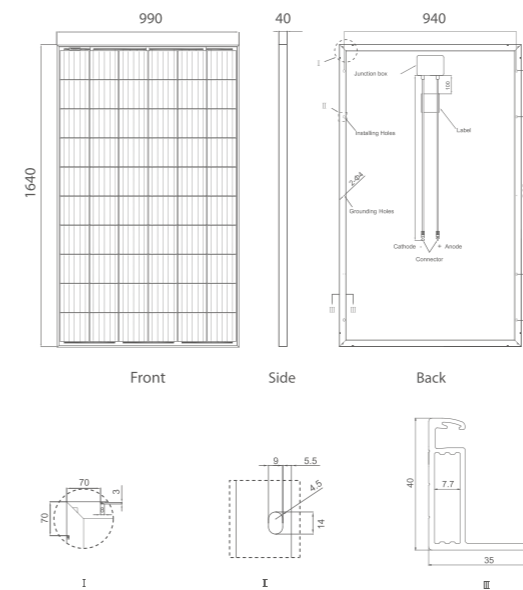
10-Year Product Warranty  
25-Year Linear Power Warranty



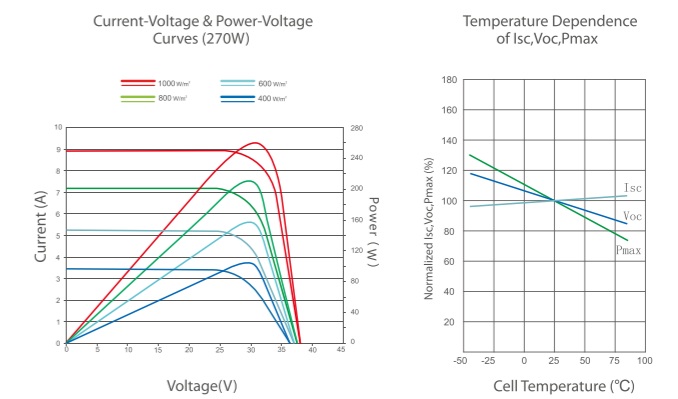
### PPS270P-60

Polycrystalline Solar Module 多晶硅太阳能组件

#### Engineering Drawings 装配图



#### Current-Voltage Curves 曲线图



#### Mechanical Characteristics 机械性能

Cell Type	Polycrystalline 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 <sup>2</sup> , 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	PPS260P-60		PPS265P-60		PPS270P-60		PPS275P-60	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	260Wp	193Wp	265Wp	199Wp	270Wp	201Wp	275Wp	205Wp
Maximum Power Voltage (Vmp)	31.2V	28.7V	31.5V	29.1V	31.7V	29.7V	32.0V	30.0V
Maximum Power Current (Imp)	8.34A	6.71A	8.42A	6.83A	8.52A	6.76A	8.60A	6.83A
Open-circuit Voltage (Voc)	38.1V	35.2V	38.6V	36.8V	38.8V	36.6V	39.1V	36.9V
Short-circuit Current (Isc)	9.03A	7.31A	9.10A	7.84A	9.20A	7.39A	9.28A	7.45A
Module Efficiency STC (%)	16.01%		16.32%		16.63%		16.94%	
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

\* Power measurement tolerance: ± 3%