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# **EnergyPal**

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

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

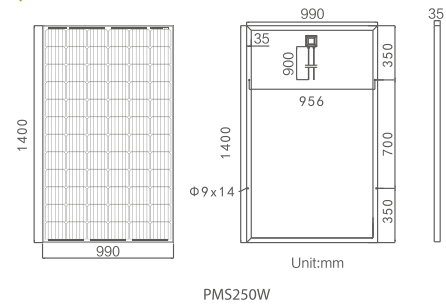
**PMS220-270W**

**PMS260W**

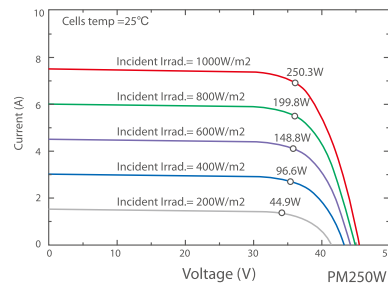
Also available on the web at  
[EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pms260w](http://EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pms260w)



## Engineering Drawings 装配图



## Current-Voltage Curves 曲线图



## Technical Specifications 技术参数

Model	PMS220W		PMS240W		PMS250W		PMS260W		PMS270W	
<b>Electrical Characteristics 电性能</b>										
	<b>STC</b>	<b>NOCT</b>	<b>STC</b>	<b>NOCT</b>	<b>STC</b>	<b>NOCT</b>	<b>STC</b>	<b>NOCT</b>	<b>STC</b>	<b>NOCT</b>
Maximum Power (Pmax)	220Wp	162Wp	240Wp	176Wp	250Wp	183Wp	260Wp	190Wp	270Wp	201Wp
Maximum Power Voltage (Vmpp)	36.0V	33.3V	36.0V	33.3V	36.0V	33.3V	36.0V	33.3V	36.0V	33.8V
Maximum Power Current (Impp)	6.11A	4.87A	6.67A	5.29A	6.94A	5.50A	7.22A	5.71A	7.50A	5.95A
Open Circuit Voltage (Voc)	45.0V	42.4V	45.0V	42.4V	45.0V	42.4V	45.0V	42.4V	45.0V	42.3V
Short Circuit Current (Isc)	6.60A	5.32A	7.20A	5.80A	7.50A	6.04A	7.80A	6.28A	8.10A	6.51A
Power Tolerance(Positive)	5%		5%		5%		5%		5%	
Module Efficiency STC	17.36%		18.37%		18.04%		17.75%		17.83%	
Operating Temperature Range	-40°C to +85°C									
Maximum System Voltage	1000V									
Series Fuse Rating	15A									
Temperature Coefficient of Pmax	-0.40%/°C									
Temperature Coefficient of Voc	-0.30%/°C									
Temperature Coefficient of Isc	0.05%/°C									
Nominal Operating Cell Temperature(NOCT)	45±2°C									
<b>Mechanical Characteristics 机械性能</b>										
Cell Type	Monocrystalline 156x156 mm									
Cell Number	72 (6x12)									
Dimensions (mm)	990x1280x35	990x1320x35		990x1400x35		990x1480x35		990x1530x35		
Weight(Kgs)	12.50	13.50		14.50		15.30		16.00		
Front Glass	3.2 mm, High Transmission, Low Iron, Tempered Glass									
Frame Type	Anodized Aluminium Alloy									
Junction Box Protection Class	IP 67 Rated									
Connector Type	MC4									
Output Cables	4 mm <sup>2</sup> , Length: 900 mm									

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