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# **EnergyPal**

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

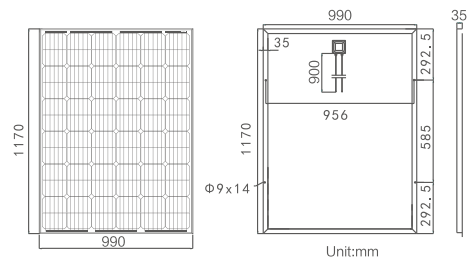
**Guangdong Prostar New Energy Technology Co.,  
Ltd.**

**PMS170-210W**

**PMS190W**

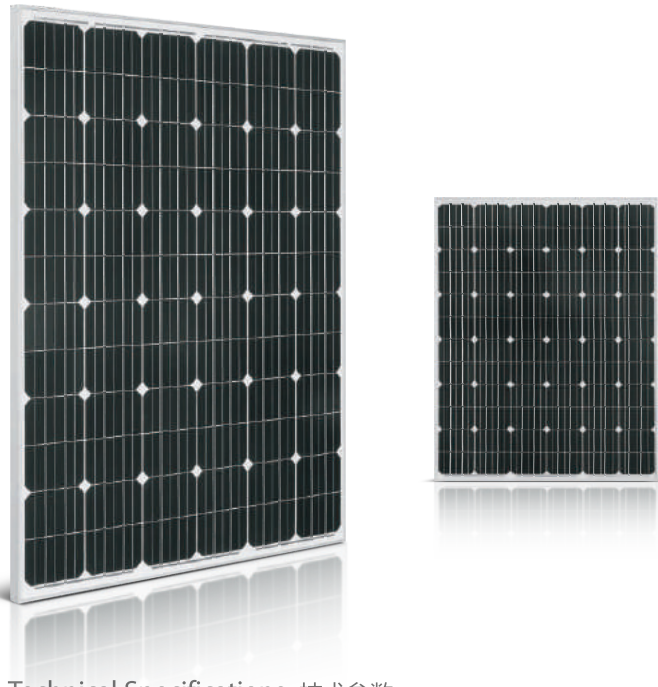
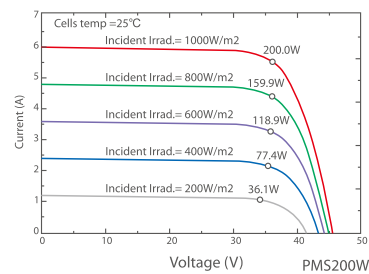
Also available on the web at  
[EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pms190w](http://EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pms190w)

## Engineering Drawings 装配图



PMS200W

## Current-Voltage Curves 曲线图



## Technical Specifications 技术参数

Model	PMS170W		PMS180W		PMS190W		PMS200W		PMS210W	
<b>Electrical Characteristics 电性能</b>										
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	170Wp	125Wp	180Wp	132Wp	190Wp	140Wp	200Wp	147Wp	210Wp	154Wp
Maximum Power Voltage (Vmpp)	36.0V	33.3V	36.0V	33.3V	36.0V	33.3V	36.0V	33.3V	36.0V	33.3V
Maximum Power Current (Impp)	4.72A	3.75A	5.00A	3.97A	5.28A	4.20A	5.56A	4.41A	5.83A	4.63A
Open Circuit Voltage (Voc)	45.0V	42.4V	45.0V	42.4V	45.0V	42.4V	45.0V	42.4V	45.0V	42.4V
Short Circuit Current (Isc)	5.10A	4.12A	5.40A	4.36A	5.70A	4.59A	6.00A	4.84A	6.30A	5.08A
Power Tolerance(Positive)	5%		5%		5%		5%		5%	
Module Efficiency STC	17.15%		17.00%		17.94%		17.27%		17.11%	
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	36 (4x9)					72(6x12)				
Dimensions (mm)	670x1480x30		990x1070x35		990x1070x35		990x1170x35		990x1240x35	
Weight(Kgs)	10.00		11.20		11.20		12.00		12.40	
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	2.5 mm <sup>2</sup> , Length: 900 mm					4.0mm <sup>2</sup> , Length: 900mm				

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.