

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

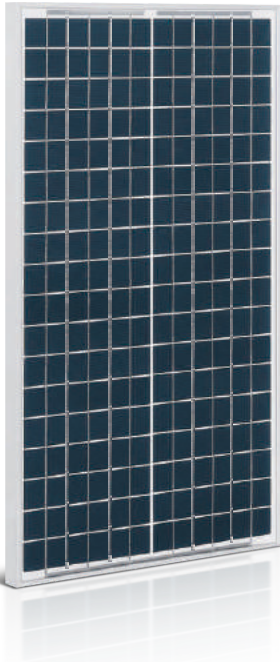
Solar Panel Guide Specification Data Sheet

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

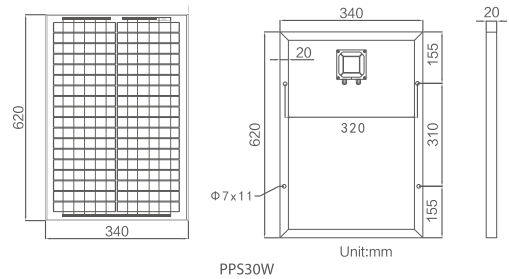
PPS30-50W

PPS45W

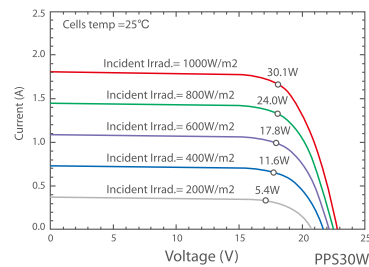
Also available on the web at
EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pps45w



Engineering Drawings 装配图



Current-Voltage Curves 曲线图



Technical Specifications 技术参数

Model	PPS30W		PPS35W		PPS40W		PPS45W		PPS50W		
Electrical Characteristics 电性能											
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Maximum Power (Pmax)	30Wp	23Wp	35Wp	26Wp	40Wp	30Wp	45Wp	33Wp	50Wp	37Wp	
Maximum Power Voltage (Vmpp)	18.0V	16.8V	18.0V	16.8V	18.0V	16.8V	18.0V	16.8V	18.0V	16.8V	
Maximum Power Current (Impp)	1.67A	1.37A	1.94A	1.56A	2.22A	1.79A	2.50A	1.98A	2.78A	2.20A	
Open Circuit Voltage (Voc)	22.5V	21.2V	22.5V	21.2V	22.5V	21.2V	22.5V	21.2V	22.5V	21.2V	
Short Circuit Current (Isc)	1.80A	1.48A	2.10A	1.72A	2.40A	1.96A	2.70A	2.22A	3.00A	2.45A	
Power Tolerance(Positive)	5%		5%		5%		5%		5%		
Module Efficiency STC	14.23%		12.94%		14.22%		13.99%		13.82%		
Operating Temperature Range	-40°C to +85°C										
Maximum System Voltage	715V										
Series Fuse Rating	8A				12A						
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										
Mechanical Characteristics 机械性能											
Cell Type	Polycrystalline 156x156 mm										
Cell Number	36(2x18)		36(3x12)				36(4x9)				
Dimensions (mm)	340x620x20		520x520x20		670x420x25		670x480x25		670x540x25		
Weight(Kgs)	2.30		2.60		3.00		3.60		3.80		
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	DC Connector					MC4					
Output Cables	0.75 mm ² , Length: 5000 mm					2.5 mm ² , Length: 900 mm					

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.