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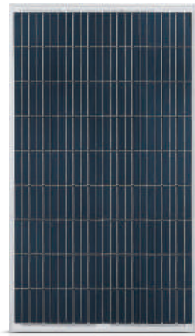
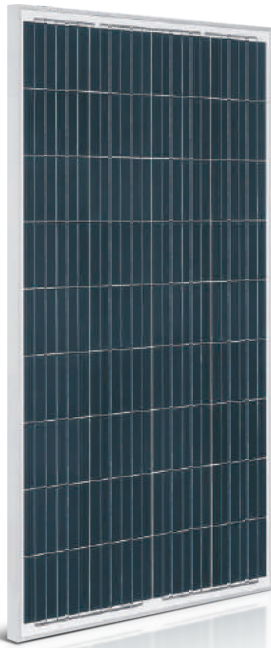
Solar Panel Guide Specification Data Sheet

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

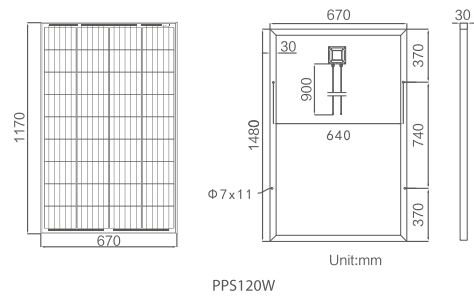
PPS110-170W

PPS160W

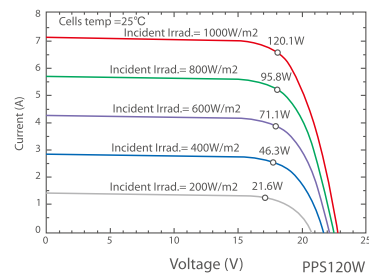
Also available on the web at
EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pps160w



Engineering Drawings 装配图



Current-Voltage Curves 曲线图



Technical Specifications 技术参数

Model	PPS110W		PPS120W		PPS130W		PPS150W		PPS160W		PPS170W	
Electrical Characteristics 电性能												
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	110Wp	81Wp	120Wp	88Wp	130Wp	95Wp	150Wp	110Wp	160Wp	118Wp	170Wp	125Wp
Maximum Power Voltage (Vmpp)	18.0V	16.8V	18.0V	16.8V	18.0V	16.8V	18.0V	16.8V	36.0V	33.3V	36.0V	33.3V
Maximum Power Current (Impp)	6.11A	4.82A	6.67A	5.24A	7.22A	5.66A	8.33A	6.55A	4.44A	3.54A	4.72A	3.75A
Open Circuit Voltage (Voc)	22.5V	21.2V	22.5V	21.2V	22.5V	21.2V	22.5V	21.2V	45.0V	42.4V	45.0V	42.4V
Short Circuit Current (Isc)	6.60A	5.32A	7.20A	5.80A	7.80A	6.28A	9.00A	7.24A	4.80A	3.88A	5.10A	4.12A
Power Tolerance(Positive)	5%		5%		5%		5%		5%		5%	
Module Efficiency STC	15.34%		15.31%		16.17%		15.13%		16.14%		16.05%	
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											
Mechanical Characteristics 机械性能												
Cell Type	Polycrystalline 156x156 mm											
Cell Number	36 (4x9)											
Dimensions (mm)	670x1070x30	670x1170x30	670x1200x30	670x1480x30	670x1480x30	670x1480x30	990x1070x35					
Weight(Kgs)	7.20	8.00	8.20	10.00	10.00	11.20						
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 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