

## HIGH PERFORMANCE PHOTOVOLTAIC MODULES SERIES

### SPECIFICATION

Cells	Poly crystal Si 125mmx125mm square
Number of cells	6x12 pieces in series
Typical application	24V DC
Maximum voltage	1000V DC
Size	1580 (L) x 808(W) x35(H) mm
Weight	15 Kg
Front glass	3.2 mm toughened glass

### TOLERANCE

Parameter	Values	Unit
Operating temperature	-40 +85	°C
Hail diameter @ 80Km/h	Up to 25	mm
Continuous wind pressure	Up to 130	Km/h

### CONNECTION TERMINALS

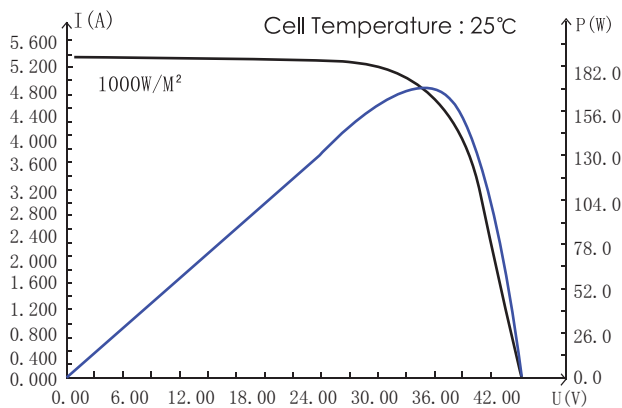
Connector type	0.90m wire ( $\phi$ 4 mm <sup>2</sup> ), same as MC connector
Diode's amount	3 pieces

### ELECTRICAL TYPICAL VALUES

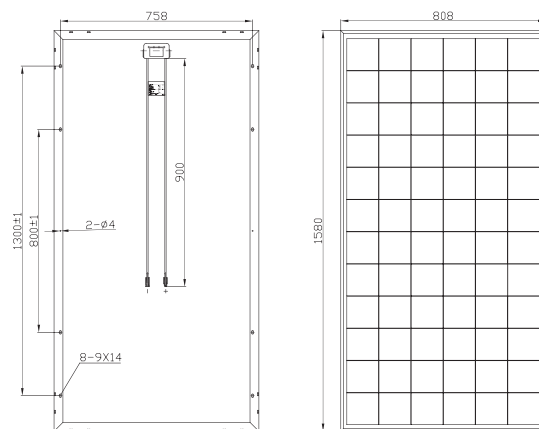
Model	Rated Power(Pm)	Tolerance	Rated Current(I <sub>m</sub> )	Rated Voltage(V <sub>m</sub> )	Short Circuit Current (I <sub>sc</sub> )	Open Circuit Voltage (V <sub>oc</sub> )	
PS160P—24/F	160W	±3%	4.66A	34.4V	5.05A	43.8V	
PS165P—24/F	165W	±3%	4.75A	34.8V	5.10A	44.0V	
PS170P—24/F	170W	±3%	4.84A	35.2V	5.15A	44.2V	
PS175P—24/F	175W	±3%	4.92A	35.6V	5.20A	44.4V	
PS180P—24/F	180W	±3%	5.00A	36.0V	5.25A	44.6V	
PS185P—24/F	185W	±3%	5.08A	36.4V	5.30A	44.8V	
PS190P—24/F	190W	±3%	5.16A	36.8V	5.35A	45.0V	
Voltage Temperature coefficient						-0.35%/°C	
NOCT ( Nominal Operation Cell Temperature ) : 45°C±2°C						Current Temperature coefficient	0.05%/°C
						Power Temperature coefficient	-0.48%/°C

Note: defined as standard deviation of thousands measurements. Absolute power values depend on the measuring system. They can differ by +/- 5% from one measuring system to another.

### CHARACTERISTIC CURVES



### DIMENSIONS



(Measurement conditions under irradiance level of 1000W/M<sup>2</sup>, Air Mass 1.5 Spectrum, cell temperature of 25°C)