

HIGH PERFORMANCE PHOTOVOLTAIC MODULES SERIES

SPECIFICATION

Cells	Mono crystal Si 125mmx125mm pseudo 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

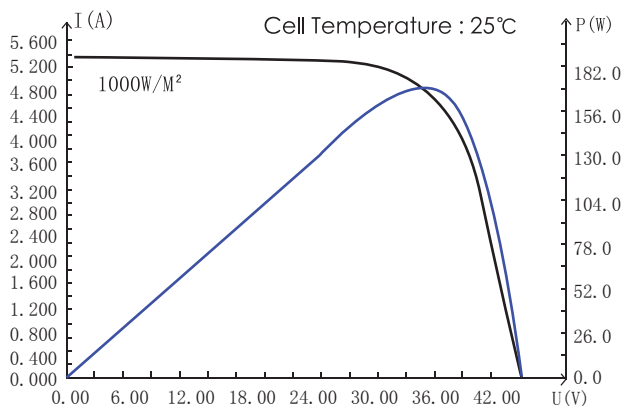
Connector type	0.90m wire (ϕ 4 mm ²), same as MC connector
Diode's amount	3 pieces

ELECTRICAL TYPICAL VALUES

Model	Rated Power(Pm)	Tolerance	Rated Current(I _m)	Rated Voltage(V _m)	Short Circuit Current (I _{sc})	Open Circuit Voltage (V _{oc})	
PS160M—24/F	160W	±3%	4.63A	34.6V	5.05A	43.8V	
PS165M—24/F	165W	±3%	4.71A	35.0V	5.10A	44.0V	
PS170M—24/F	170W	±3%	4.80A	35.4V	5.15A	44.2V	
PS175M—24/F	175W	±3%	4.89A	35.8V	5.20A	44.4V	
PS180M—24/F	180W	±3%	4.98A	36.2V	5.25A	44.6V	
PS185M—24/F	185W	±3%	5.06A	36.6V	5.30A	44.8V	
PS190M—24/F	190W	±3%	5.14A	37.0V	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



(Measurement conditions under irradiance level of 1000W/M², Air Mass 1.5 Spectrum, cell temperature of 25°C)

DIMENSIONS

