

## HIGH PERFORMANCE PHOTOVOLTAIC MODULES SERIES

### SPECIFICATION

Cells	Mono crystal Si 125 mm X125 mm pseudo square
Number of cells	4x9 pieces in series
Typical application	12V DC
Maximum voltage	715V DC
Size	1195 (L) x 541(W) x35(H) mm
Weight	8 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	2 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> )
PS75M—12/D	75W	±3%	4.37A	17.2V	4.75A	21.6V
PS80M—12/D	80W	±3%	4.60A	17.4V	4.95A	21.8V
PS85M—12/D	85W	±3%	4.83A	17.6V	5.15A	22.0V
PS90M—12/D	90W	±3%	5.06A	17.8V	5.35A	22.2V

Voltage Temperature coefficient -0.35%/°C

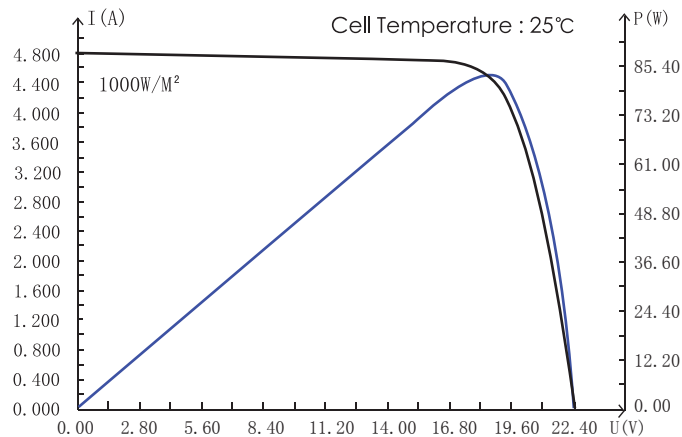
NOCT ( Nominal Operation Cell Temperature ) : 45°C±2°C

Current Temperature coefficient 0.05%/°C

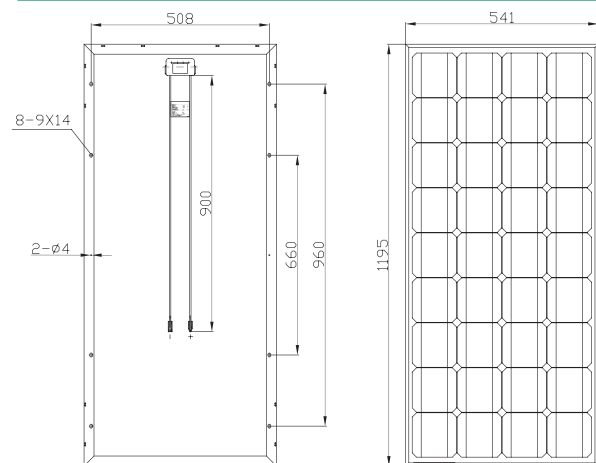
Power Temperature coefficient -0.48%/°C

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)