

HIGH PERFORMANCE PHOTOVOLTAIC MODULES SERIES

SPECIFICATION

Cells	Poly crystal Si 125mmx125mm 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 (ϕ 4 mm ²), same as MC connector
Diode's amount	2 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})
PS75P—12/D	75W	±3%	4.42A	17.0V	4.80A	21.5V
PS80P—12/D	80W	±3%	4.66A	17.2V	5.00A	21.7V
PS85P—12/D	85W	±3%	4.88A	17.4V	5.20A	21.9V
PS90P—12/D	90W	±3%	5.12A	17.6V	5.40A	22.1V

Voltage Temperature coefficient -0.35%/°C

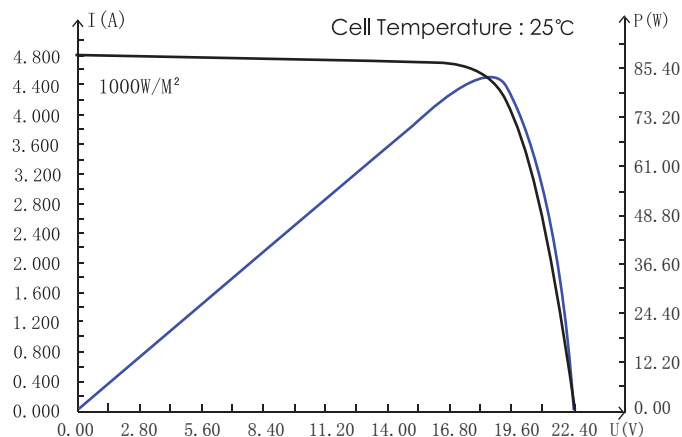
NOCT (Nominal Operation Cell Temperature) : 45°C±2°C

Current Temperature coefficient 0.05%/°C

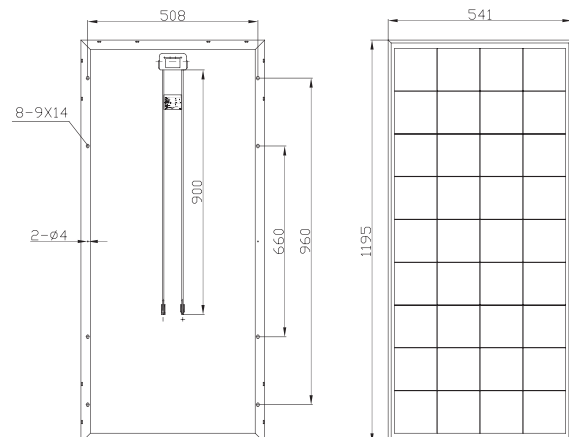
Power Temperature coefficient -0.48%/°C

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/M², Air Mass 1.5 Spectrum, cell temperature of 25°C)