

## HIGH PERFORMANCE PHOTOVOLTAIC MODULES SERIES

### SPECIFICATION

Cells	Poly crystal Si 156mmx156mm square
Number of cells	6x10 pieces in series
Typical application	20V DC
Maximum voltage	1000V DC
Size	1640 (L) x 992(W) x35(H) mm
Weight	19 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> )
PS210P—20/U	210W	±3%	7.35A	28.6V	7.90A	36.5V
PS215P—20/U	215W	±3%	7.47A	28.8V	8.00A	36.7V
PS220P—20/U	220W	±3%	7.59A	29.0V	8.10A	36.9V
PS225P—20/U	225W	±3%	7.71A	29.2V	8.20A	37.0V
PS230P—20/U	230W	±3%	7.83A	29.4V	8.30A	37.1V
PS235P—20/U	235W	±3%	7.94A	29.6V	8.40A	37.3V
PS240P—20/U	240W	±3%	8.06A	29.8V	8.50A	37.5V

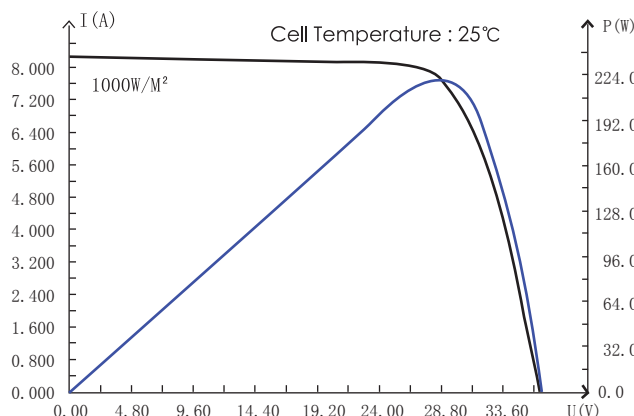
  

Voltage Temperature coefficient	-0.35%/°C
Current Temperature coefficient	0.05%/°C
Power Temperature coefficient	-0.48%/°C

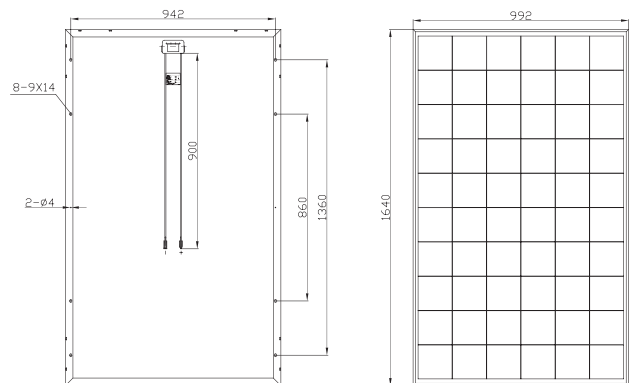
NOCT ( Nominal Operation Cell Temperature ) : 45°C±2°C

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)