

HIGH PERFORMANCE PHOTOVOLTAIC MODULES SERIES

SPECIFICATION

Cells	Mono crystal Si 156mmx156mm pseudo square
Number of cells	6x10 pieces in series
Typical application	20V DC
Maximum voltage	1000V DC
Size	1640 (L) x 992 (W) x 45 (H) mm
Weight	22 Kg
Front glass	3.2mm tempered 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

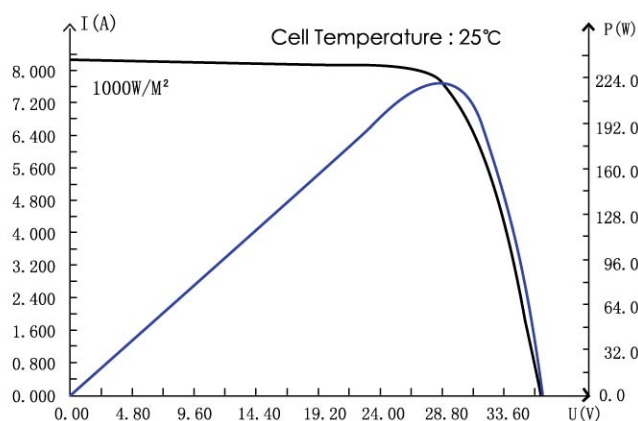
Wire type	0.90m (φ 4 mm ²)
Diode's amount	6 pieces

ELECTRICAL TYPICAL VALUES

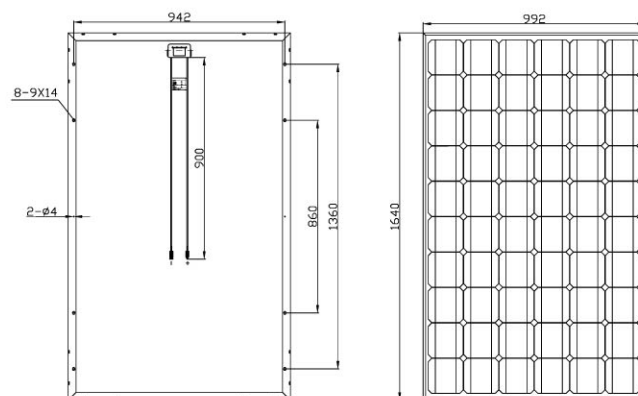
Model	Rated Power(Pm)	Tolerance	Rated Current(I _m)	Rated Voltage(V _m)	Short Circuit Current (I _{sc})	Open Circuit Voltage (V _{oc})	
PS210M—20/U	210W	±3%	7.30A	28.8V	7.85A	36.7V	
PS215M—20/U	215W	±3%	7.42A	29.0V	7.95A	36.9V	
PS220M—20/U	220W	±3%	7.54A	29.2V	8.05A	37.0V	
PS225M—20/U	225W	±3%	7.66A	29.4V	8.15A	37.1V	
PS230M—20/U	230W	±3%	7.78A	29.6V	8.25A	37.3V	
PS235M—20/U	235W	±3%	7.90A	29.8V	8.35A	37.5V	
PS240M—20/U	240W	±3%	8.00A	30.0V	8.45A	37.6V	
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)