



Multi Crystalline Silicon Solar Modules



FEATURES:

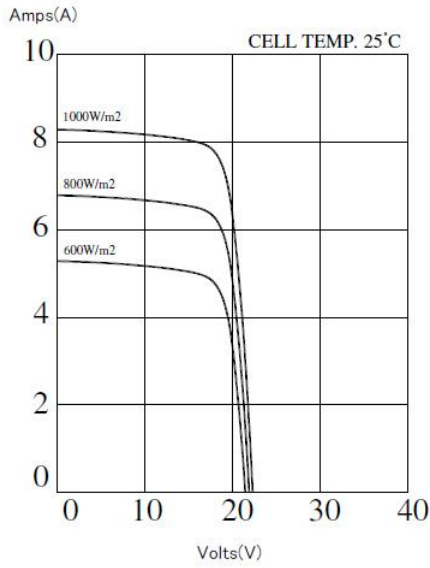
1. Multi crystalline silicon solar modules
2. High power module using 6" multi crystalline solar cell.
3. Bypass diode is attached minimize power reduction caused by shade.
4. 36 solar cells and connection in series.
5. Using optical low iron tempered glass, EVA resin, module with aluminum frame for outdoor use.
6. ± 5400 Pa testing load, extended test to CNS13972 for wind and snow loads.
7. The module will maintain 90% of minimum specification Performance along the first 12 years, and will maintain 80% of minimum specification performance along sequent 13 years.

Specification

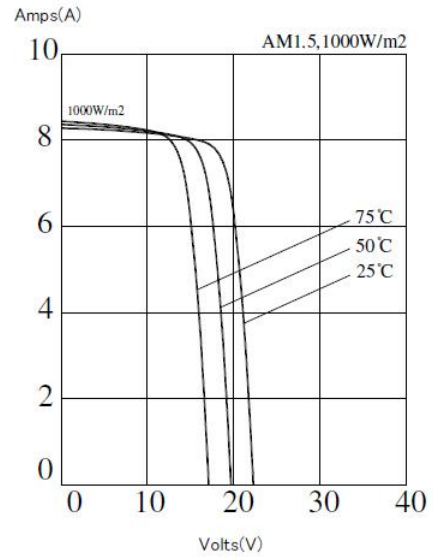
Model	OSPMC 110176401	OSPMC 115176701	OSPMC 120176901	OSPMC 125177101	OSPMC 130177301	OSPMC 135177501	OSPMC 140187701
Maximum Power Rating (Pmax)	110W	115W	120W	125W	130W	135W	140W
Maximum Power Voltage (Vpm)	17.05V	17.16V	17.34V	17.55V	17.75V	17.96V	18.16V
Maximum Power Current (Ipm)	6.46A	6.70A	6.93A	7.13A	7.33A	7.52A	7.71A
Open Circuit Voltage (Voc)	21.45V	21.56V	21.85V	21.89V	22.10V	22.14V	22.25V
Short Circuit Current (Isc)	7.21A	7.40A	7.77A	7.86A	8.06A	8.13A	8.27A
Module Efficiency (η_m)	11.4%	11.9%	12.4%	12.9%	13.4%	14.0%	14.5%
No & type solar cells	36 in series / 6" (156 * 156 mm) Multicry						
Maximum system voltage	TUV : DC 1000 V / UL : DC 600V						
Series fuse rating	15A						
Performance tolerance	$\pm 3\%$						
Operating temperature	-40 to +90 °C						
Storage temperature	-40 to +90 °C						
Dimensions	1466 * 660 * 38.1 mm ± 2 mm / 57.7" * 26" * 1.5" ± 0.08 "						
Weight	11.8 Kg / 26.01 lbs						
Output Terminal (Tyco J-Box)	1394462-4 (Male -) / 6-1394461-2 (Female +)						
(STC) Standard Test Conditions: 25°C, 1 kW/m ² , AM 1.5							



ELECTRICAL CHARACTERISTICS



DEPENDENCE ON TEMPERATURE



Temperature coefficient of Isc: 0.05%/°C

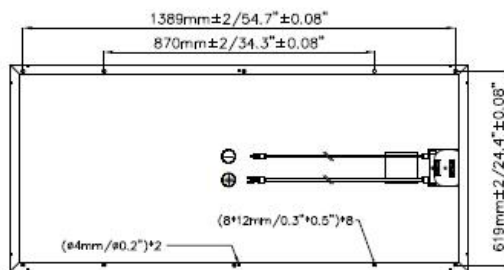
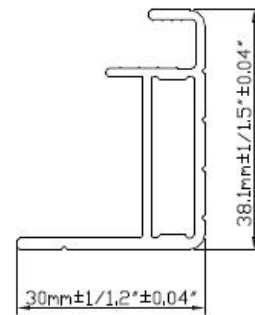
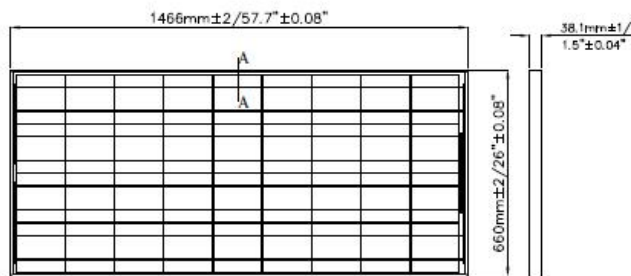
Power temperature coefficient: -0.46%/°C

Temperature coefficient of Voc: -0.35%/°C

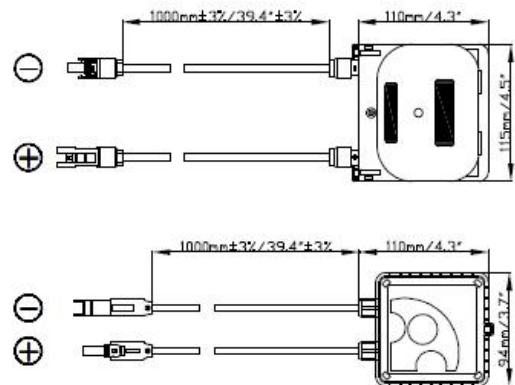
NOCT: 46±1°C

OUTLINE DIMENSIONS

Section A-A



Lead Wire



Field wiring: Cu wiring only, min. 12 AWG(4mm²), insulated for 90°C min.