



## Single Crystalline Solar Modules

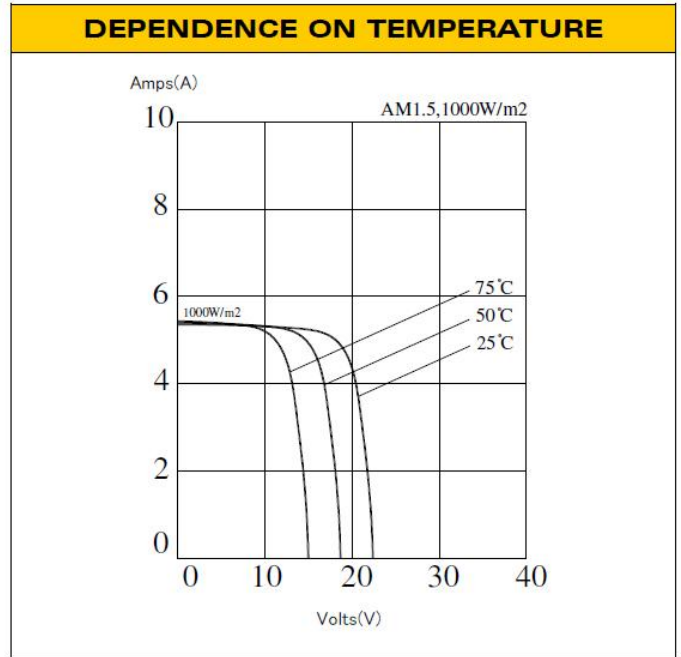
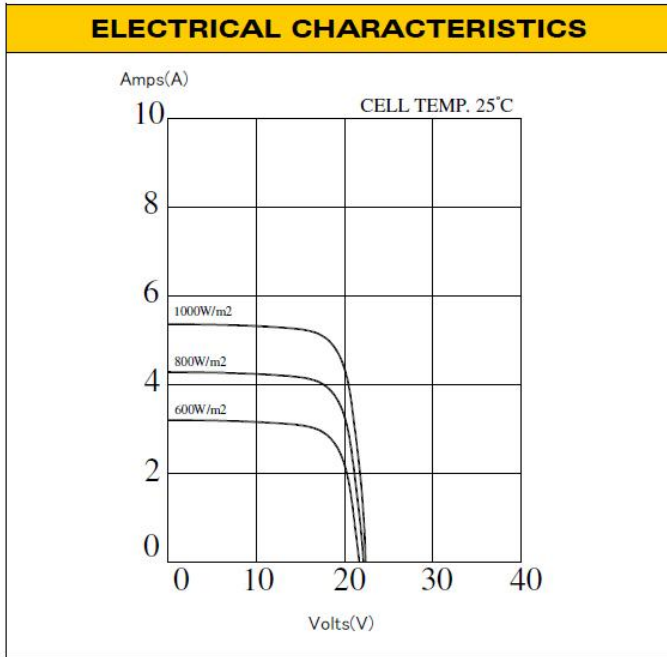


### FEATURES:

1. Single crystalline silicon photovoltaic module.
2. High power module using 5" mono 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. 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

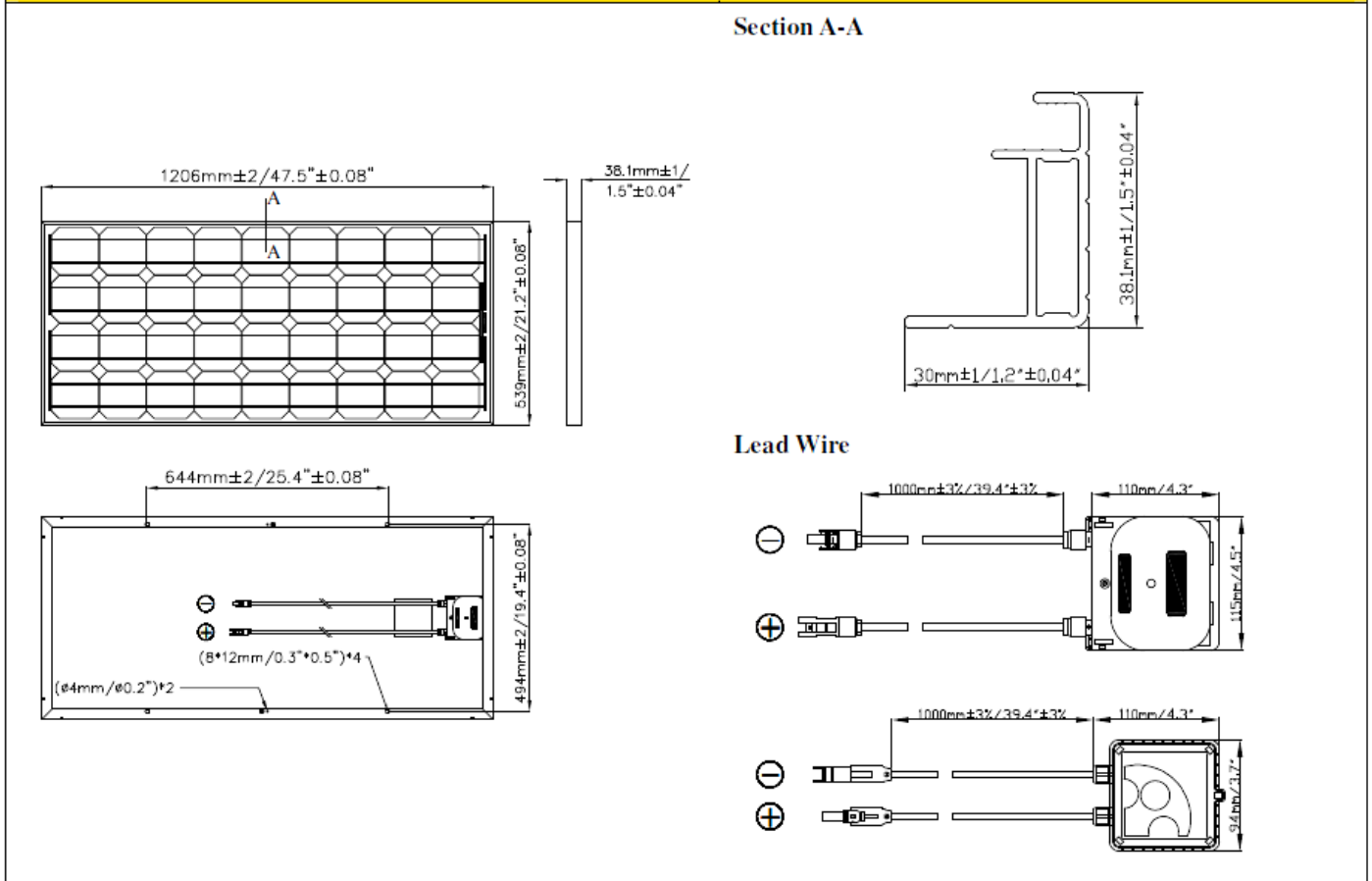
Model	OSPSC 070164201	OSPSC 070164401	OSPSC 080174601	OSPSC 085174801	OSPSC 090175001
Maximum Power Rating (Pmax)	70W	75W	80W	85W	90W
Maximum Power Voltage (Vpm)	16.50V	16.85V	17.21V	17.55V	17.90V
Maximum Power Current (Ipm)	4.25A	4.46A	4.65A	4.85A	5.03A
Open Circuit Voltage (Voc)	21.24V	21.56V	21.81V	22.03V	22.35V
Short Circuit Current (Isc)	4.59A	4.79A	5.00A	5.17A	5.35A
Module Efficiency ( $\eta$ m)	10.8%	11.5%	12.3%	13.1%	13.8%
No & type solar cells	36 in series / 5" (125 * 125 mm) Single				
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	1206 * 539 * 38.1 mm $\pm$ 2 mm / 47.5" * 21.2" * 1.5" $\pm$ 0.08"				
Weight	8.2 Kg / 18.08 lbs				
Output Terminal (Tyco J-Box)	1394462-4 (Male -) / 6-1394461-2 (Female +)				
(STC) Standard Test Conditions: 25°C, 1 kW/m <sup>2</sup> , AM 1.5					



Temperature coefficient of Isc: 0.04%/°C  
 Temperature coefficient of Voc: -0.33%/°C

Power temperature coefficient: -0.43%/°C  
 NOCT: 46±1°C

## OUTLINE DIMENSIONS



Field wiring: Cu wiring only, min. 12 AWG(4mm<sup>2</sup>), insulated for 90°C min.