



FEATURES:

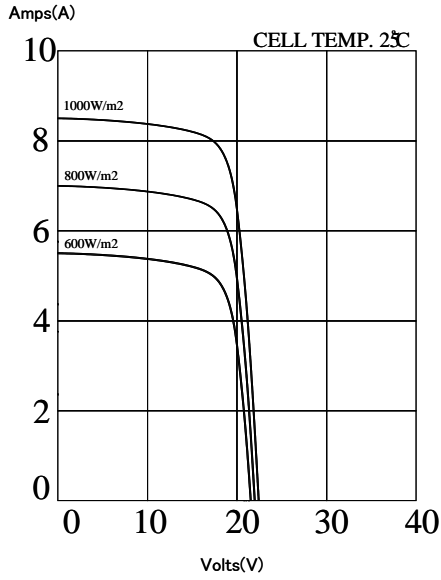
- Single crystalline silicon photovoltaic module.
- High power module using 6” mono crystalline solar cell.
- Bypass diode is attached minimize power reduction caused by shade.
- 36 solar cells and connection in series.
- Using optical low iron tempered glass, EVA resin, module with aluminum frame for outdoor use.
- 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.

LM140BA4900 ~ LM165BA4900

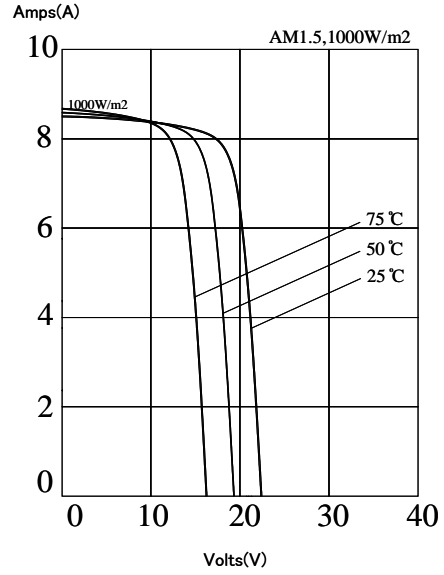
Maximum power (Pmax)	140W	145W	150W	155W	160W	165W
Maximum power voltage (Vpm)	17.66 V	17.71 V	17.76 V	17.80 V	17.84 V	17.88 V
Maximum power current (Ipm)	7.93 A	8.19 A	8.45 A	8.71 A	8.97 A	9.23 A
Open circuit voltage (Voc)	22.36 V	22.50 V	22.64 V	22.79 V	22.93 V	23.08 V
Short circuit current (Isc)	8.49 A	8.71 A	8.84 A	9.12 A	9.25 A	9.53 A
Module efficiency (ηm)	14.5%	15.0%	15.5%	16.0%	16.5%	17.1%
No. & type solar cells	36 in series/ 6”(156x156 mm) single					
Maximum system voltage	TUV:DC 1000 V/UL:DC 600 V					
Series fuse rating	15 A					
Performance tolerance	±3%					
Operating temperature	-40 to +90 °C					
Storage temperature	-40 to +90 °C					
Dimensions	1466x660x38.1 mm±2 mm/57.7”x26”x1.5”±0.08”					
Weight	11.8 kg/26.01 lbs					
Output Terminal(Tyco J-Box) (Lapp J-Box)	1394462-4(-)/6-1394461-2(+) EPIC SOLAR					

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ELECTRICAL CHARACTERISTICS



DEPENDENCE ON TEMPERATURE



Temperature coefficient of Isc: 0.04%/°C

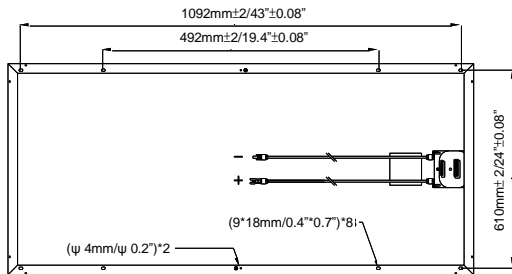
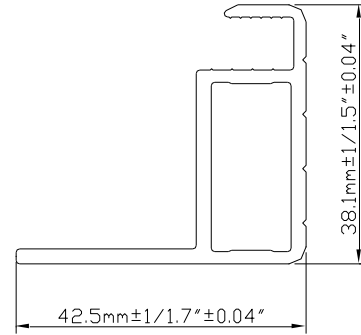
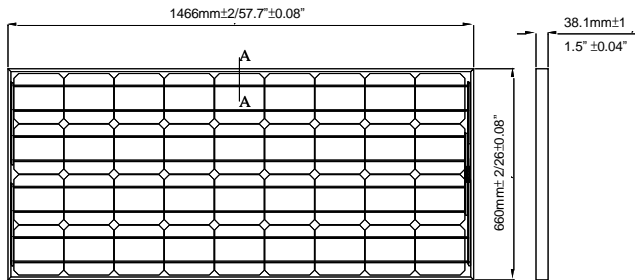
Power temperature coefficient: -0.43%/°C

Temperature coefficient of Voc: -0.33%/°C

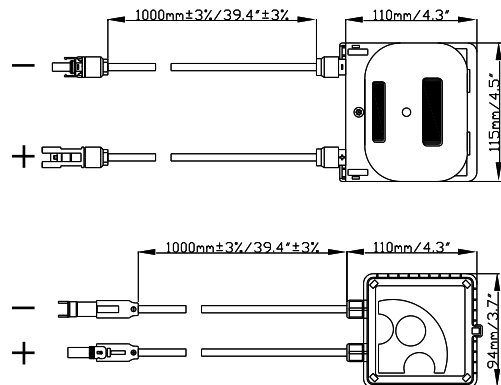
NOCT: 46±1°C

OUTLINE DIMENSIONS

Section A-A



Lead Wire



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