



FEATURES:

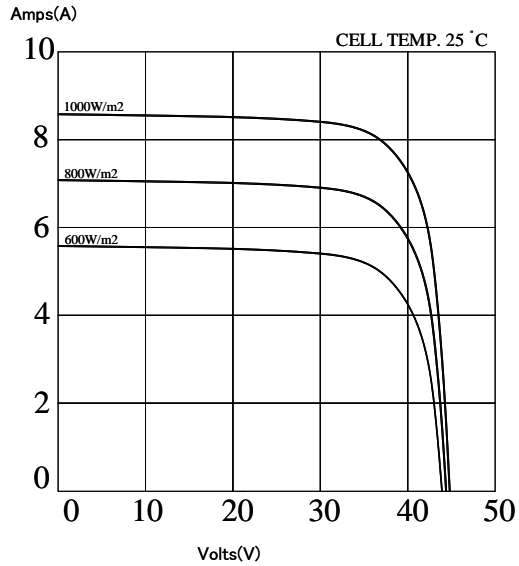
- Single crystalline silicon photovoltaic module.
- High power module using 6" mono crystalline solar cell.
- Bypass diode is attached minimize power reduction caused by shade.
- 72 solar cells and connection in series.
- Using optical low iron tempered glass, EVA resin, module with aluminum frame for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

LM290BA6C00 ~ LM315BA6C00

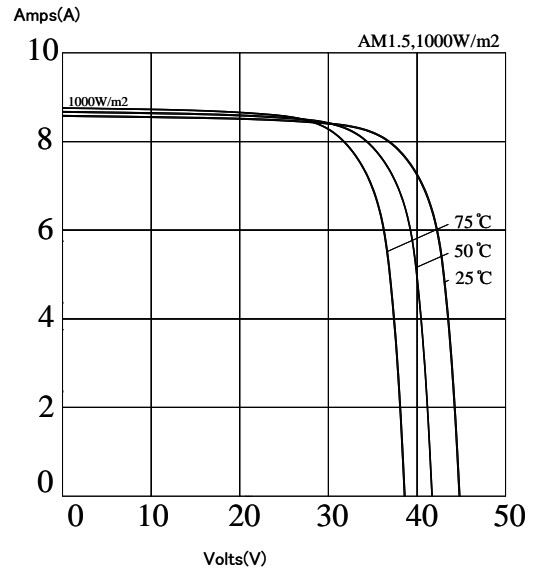
Maximum power (Pmax)	290W	295W	300W	305W	310W	315W
Maximum power voltage (Vpm)	35.90 V	36.07 V	36.28 V	36.36 V	36.56	36.72
Maximum power current (Ipm)	8.08 A	8.18 A	8.27 A	8.39 A	8.48	8.58
Open circuit voltage (Voc)	45.29 V	45.43 V	45.50 V	45.58 V	45.65	45.79
Short circuit current (Isc)	8.64 A	8.77 A	8.83 A	8.90 A	8.99	9.08
Module efficiency (ηm)	15.1%	15.3%	15.6%	15.8%	16.1%	16.4%
No. & type solar cells	72 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	1946x990x50 mm±2 mm/76.6"x39"x2"±0.08"					
Weight	23.4 kg/51.59 lbs					
Output Terminal(Tyco J-Box)	1394462-4(-)/6-1394461-2(+)					

LM290BA6C00 ~ LM315BA6C00

ELECTRICAL CHARACTERISTICS



DEPENDENCE ON TEMPERATURE



Temperature coefficient of Isc: 0.04%/°C

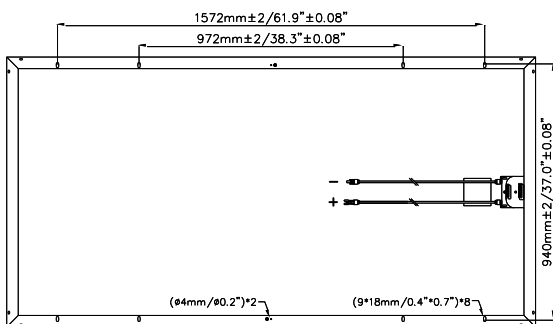
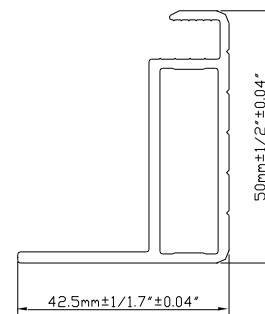
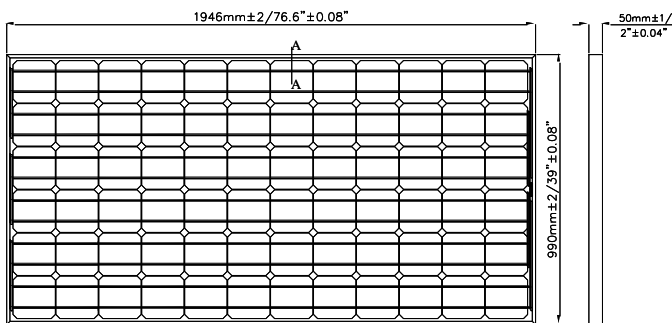
Power temperature coefficient: -0.43%/°C

Temperature coefficient of Voc: -0.33%/°C

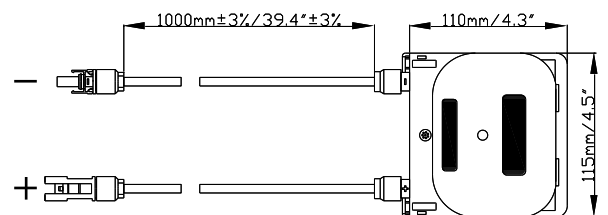
NOCT: 46±1°C

OUTLINE DIMENSIONS

Section A-A



Lead Wire



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