



Ligitek Photovoltaic Co., Ltd.



FEATURES:

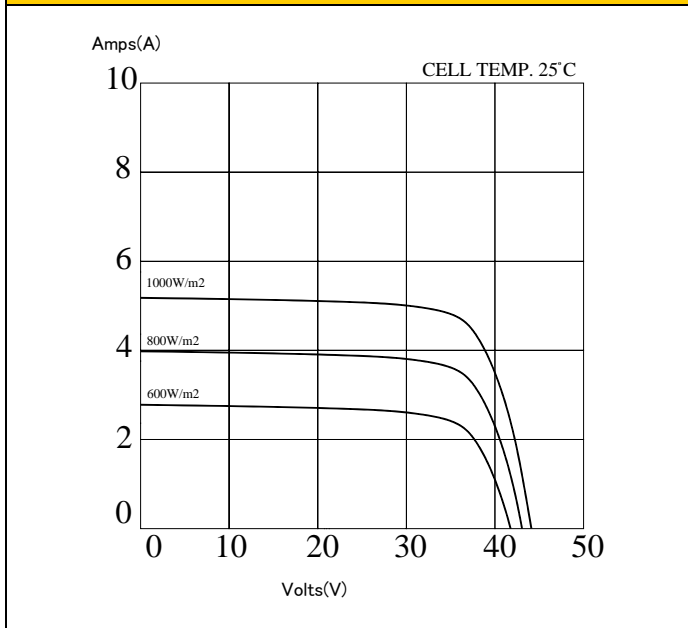
- Single crystalline silicon photovoltaic module.
- High power module using 5” mono crystalline solar cell.
- Bypass diode is attached minimize power reduction caused by shade.
- 72 solar cells and connection in series.
- Using optical low iron tempered glass, EVA resin, module for outdoor use.

**LM160AA00/LM165AA00/ LM170AA00/ LM175AA00/ LM180AA00/
LM185AA00/**

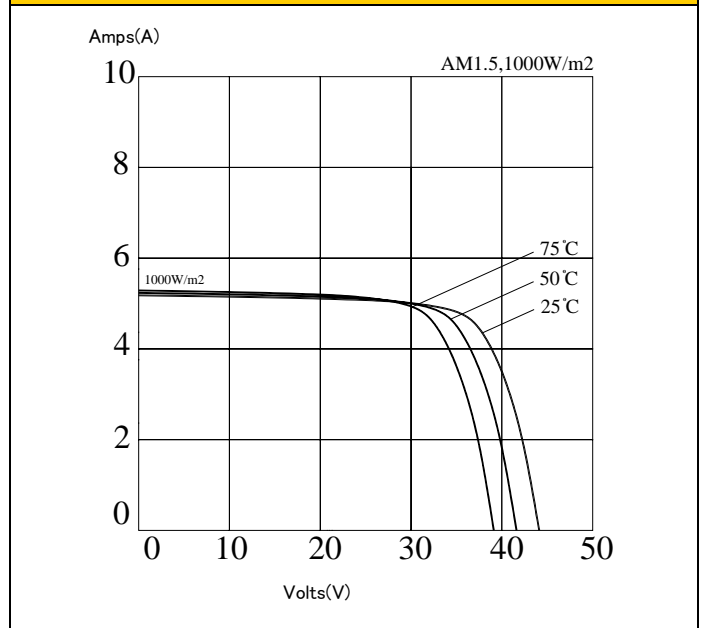
Maximum power (Pmax)	160W	165W	170W	175W	180W	185W
Maximum power voltage (Vpm)	35.10 V	35.30 V	35.50 V	35.80 V	36.00 V	36.10 V
Maximum power current (Ipm)	4.56 A	4.58 A	4.79 A	4.89 A	5.01 A	5.14 A
Open circuit voltage (Voc)	43.56 V	43.84 V	44.06 V	44.42 V	44.70 V	45.10 V
Short circuit current (Isc)	4.95 A	5.08 A	5.17 A	5.29 A	5.35 A	5.43 A
Module efficiency (ηm)	12.5%	12.9%	13.3%	13.6%	14.1%	14.4%
No. & type solar cells	72 in series/ 5”(125x125 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	1580x809x38.1 mm±1 mm/62.2”x31.9”x1.5”±0.04”					
Weight	14.9 kg/32.85 lbs					
Output Terminal(Tyco J-Box)	1394462-4(-)/6-1394461-2(+)					

(STC) Standard Test Conditions: 25°C, 1 kW/m², AM 1.5

ELECTRICAL CHARACTERISTICS



DEPENDENCE ON TEMPERATURE



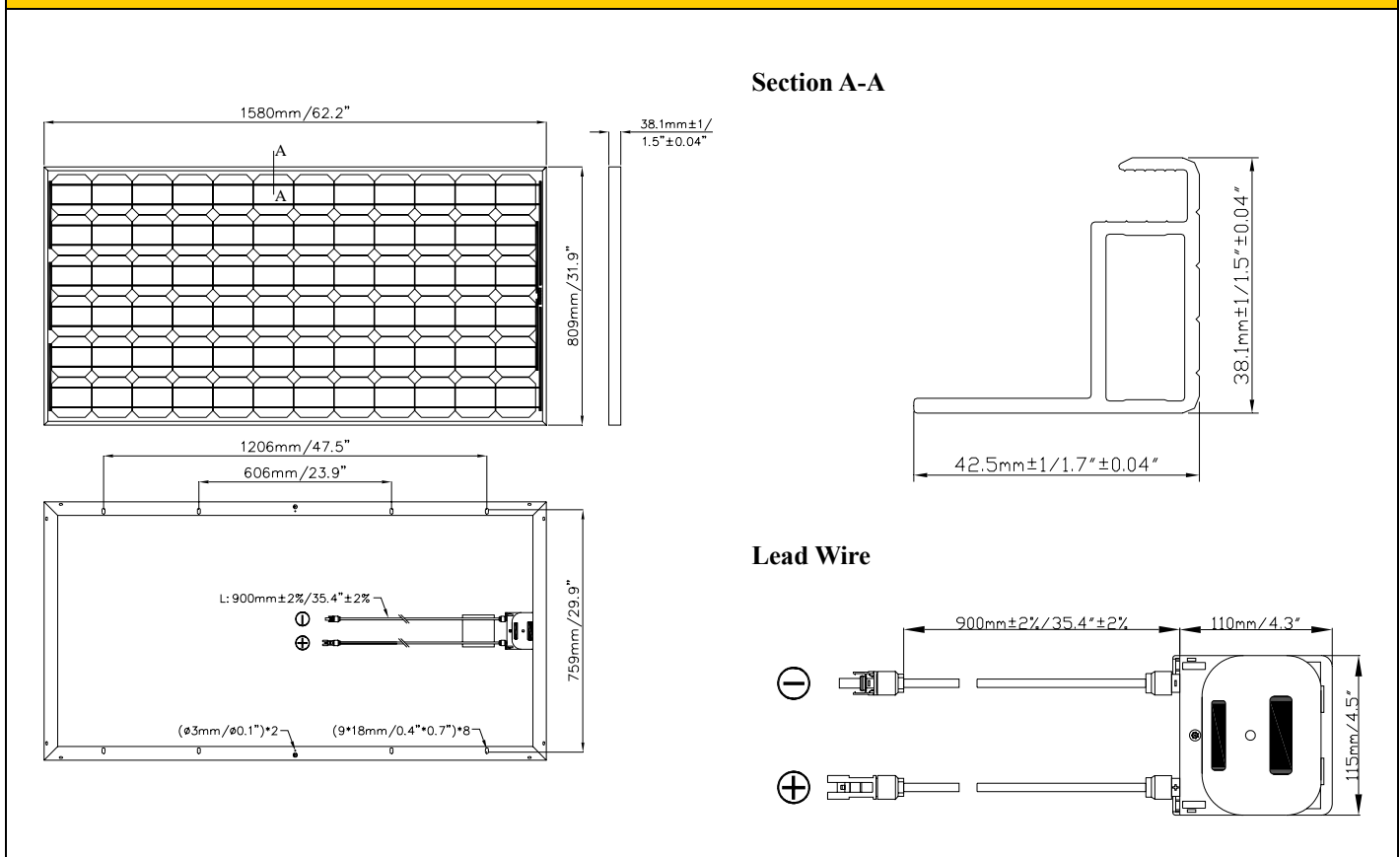
Temperature coefficient of Isc: 0.09%/°C

Power temperature coefficient: -0.37%/°C

Temperature coefficient of Voc: -0.34%/°C

NOCT: 46±1°C

OUTLINE DIMENSIONS



Field wiring: Cu wiring only, min. 14 AWG, insulated for 90°C min.

