



Ligitek Photovoltaic Co., Ltd.



FEATURES:

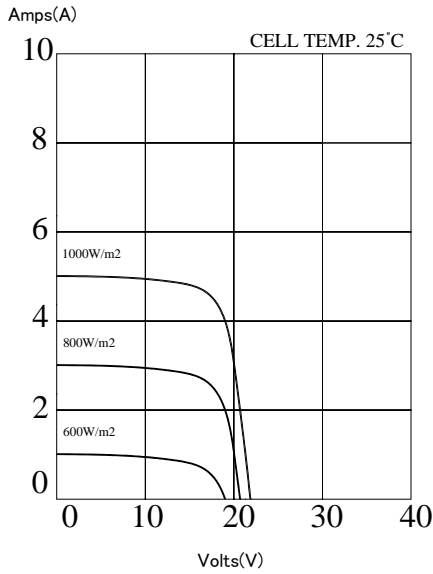
- Single crystalline silicon photovoltaic module.
- High power module using 5” mono crystalline solar cell.
- Bypass diode is attached minimize power reduction caused by shade.
- 36 solar cells and connection in series.
- Using optical low iron tempered glass, EVA resin, module for outdoor use.

LM070AA00/LM075AA00/ LM080AA00/ LM085AA00/ LM090AA00/

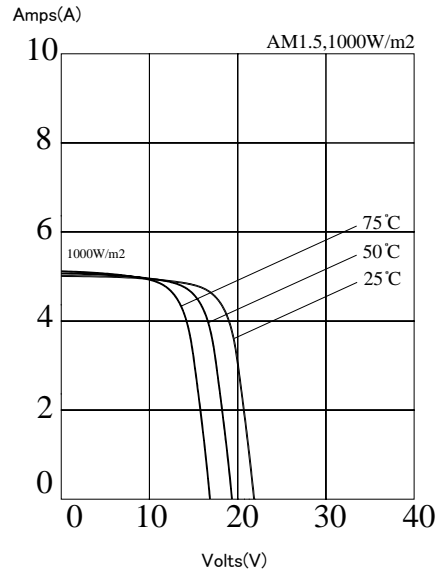
Maximum power (Pmax)	70W	75W	80W	85W	90W
Maximum power voltage (Vpm)	16.50 V	16.85 V	17.21 V	17.55 V	17.90 V
Maximum power current (Ipm)	4.25 A	4.46 A	4.65 A	4.85 A	5.03 A
Open circuit voltage (Voc)	21.24 V	21.56 V	21.81 V	22.03 V	22.35 V
Short circuit current (Isc)	4.59 A	4.79 A	5.00 A	5.17 A	5.35 A
Module efficiency (ηm)	10.8%	11.5%	12.3%	13.1%	13.8%
No. & type solar cells	36 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	1206x539x38.1 mm±1 mm/47.5”x21.2”x1.5”±0.04”				
Weight	8.2 kg/18.08 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



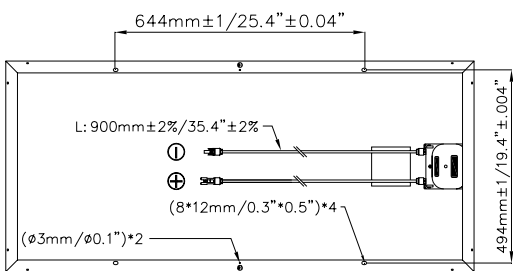
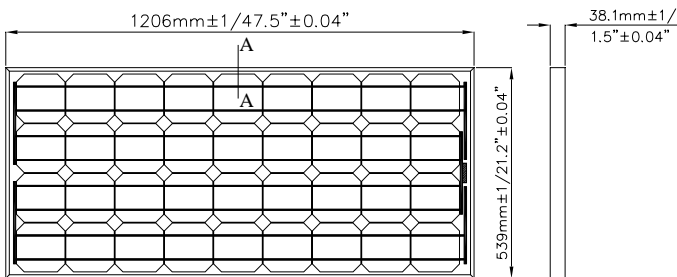
Temperature coefficient of Isc: 0.09%/°C

Power temperature coefficient: -0.37%/°C

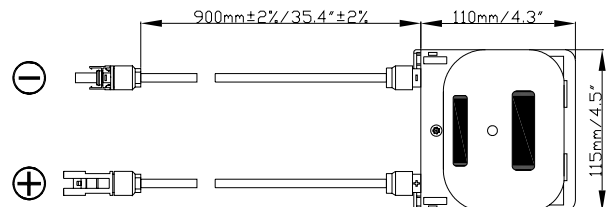
Temperature coefficient of Voc: -0.34%/°C

NOCT:46±1°C

OUTLINE DIMENSIONS



Lead Wire



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

