



# Ligitek Photovoltaic Co., Ltd.



## FEATURES:

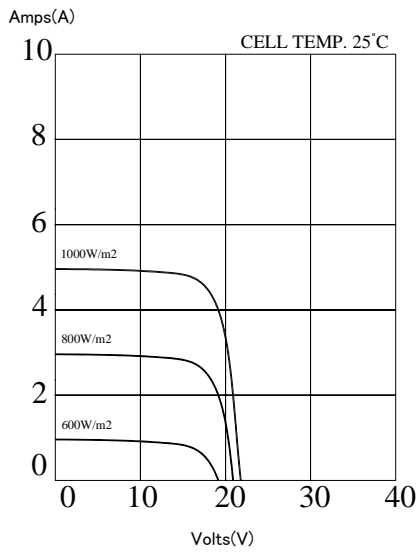
- Multicrystalline silicon photovoltaic module.
- High power module using 5” multicrystalline solar cell.
- Bypass diode is attached minimize power reduction caused by shade.
- 36 solar cells and connection in series.
- Using optical low iron tempered glass, EVA resin, module for outdoor use.

**LM070AB00/LM075AB00/ LM080AB00/ LM085AB00/ LM090AB00/**

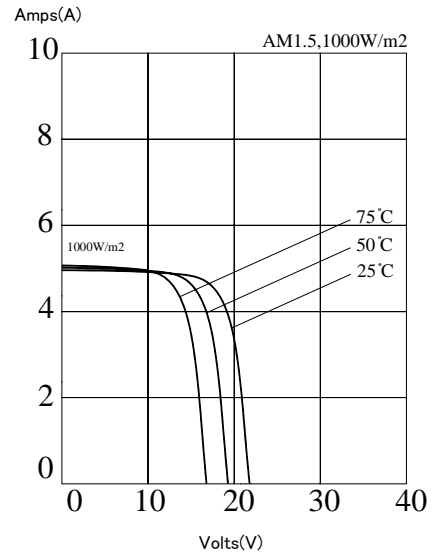
Maximum power (Pmax)	70W	75W	80W	85W	90W
Maximum power voltage (Vpm)	16.96 V	17.15 V	17.35 V	17.53 V	17.72 V
Maximum power current (Ipm)	4.13 A	4.38 A	4.62 A	4.85 A	5.08 A
Open circuit voltage (Voc)	21.34 V	21.52 V	21.74 V	21.96 V	22.35 V
Short circuit current (Isc)	4.47 A	4.72 A	4.95 A	5.15 A	5.33 A
Module efficiency (ηm)	10.8%	11.5%	12.3%	13.1%	13.8%
No. & type solar cells	36 in series/ 5”(125x125 mm) multicry				
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/m<sup>2</sup>, AM 1.5

**ELECTRICAL CHARACTERISTICS**



**DEPENDENCE ON TEMPERATURE**



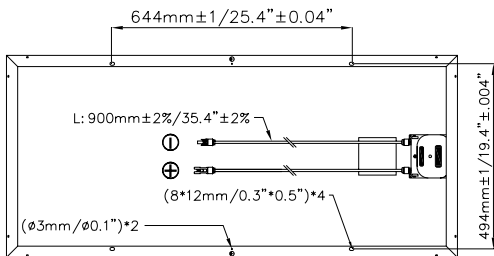
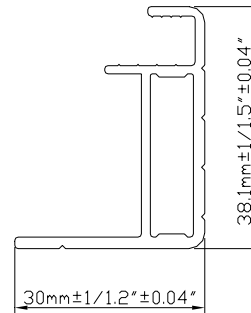
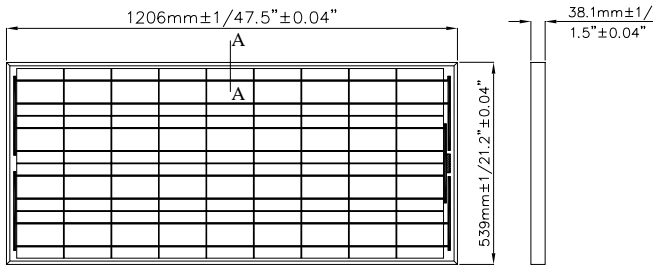
Temperature coefficient of Isc: 0.08%/°C

Power temperature coefficient: -0.38%/°C

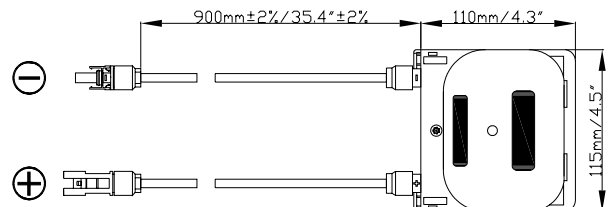
Temperature coefficient of Voc: -0.32%/°C

NOCT:46±1°C

**OUTLINE DIMENSIONS**



**Lead Wire**



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