# Ligitek Photovoltaic Co., Ltd.

## FEATURES:

- Multicrystalline silicon photovoltaic module.
- High power module using 6” 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 with aluminum frame for outdoor use.
- ±5400 Pa testing load, extended test to CNS13972 for wind and snow loads.
- 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.

## LM110BB00/LM115BB00/LM120BB00/LM125BB00/LM130BB00/ LM135BB00/LM140BB00/

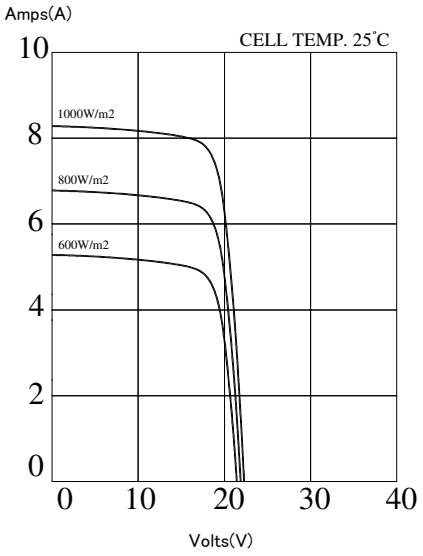
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Maximum power (Pmax) | 110W | 115W | 120W | 125W | 130W | 135W | 140W |
| Maximum power voltage (Vpm) | 17.05 V | 17.16 V | 17.34 V | 17.55 V | 17.75 V | 17.96 V | 18.16 V |
| Maximum power current (Ipm) | 6.46 A | 6.70 A | 6.93 A | 7.13 A | 7.33 A | 7.52 A | 7.71 A |
| Open circuit voltage (Voc) | 21.45 V | 21.56 V | 21.85 V | 21.89 V | 22.10 V | 22.14 V | 22.25 V |
| Short circuit current (Isc) | 7.21 A | 7.40 A | 7.77 A | 7.86 A | 8.06 A | 8.13 A | 8.27 A |
| Module efficiency (ηm) | 11.4% | 11.9% | 12.4% | 12.9% | 13.4% | 14.0% | 14.5% |
| No. & type solar cells | 36 in series/ 6”(156x156 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 ℃ | | | | | | |
| Storage temperature | -40 to +90 ℃ | | | | | | |
| 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)<br>(Lapp J-Box) | 1394462-4(-)/6-1394461-2(+)<br>EPIC SOLAR | | | | | | |

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

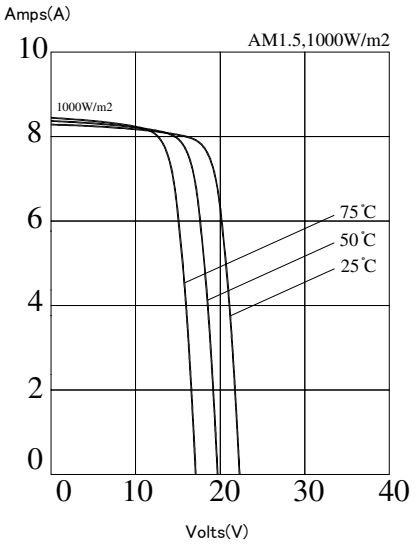
B5(RD-W04-02B)

# LM110BB00/LM115BB00/LM120BB00/LM125BB00/LM130BB00/ LM135BB00/LM140BB00/

## ELECTRICAL CHARACTERISTICS




## DEPENDENCE ON TEMPERATURE

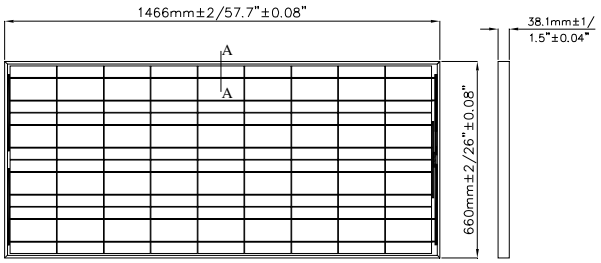


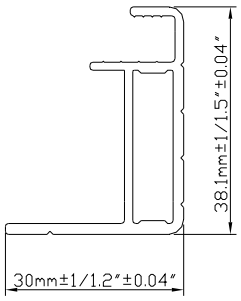

Temperature coefficient of Isc: 0.05%/℃ Power temperature coefficient: -0.46%/℃

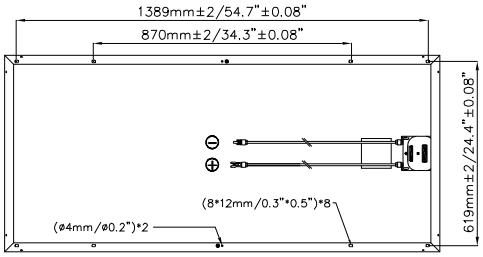
Temperature coefficient of Voc: -0.35%/℃ NOCT:46±1℃

## OUTLINE DIMENSIONS

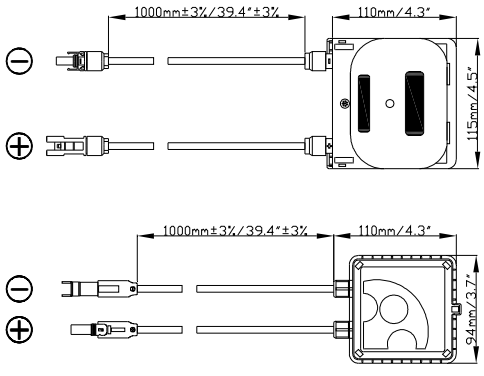
**Section A-A**




**Lead Wire**




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

LIGITEK PHOTOVOLTAIC CO., LTD.