Ligitek Photovoltaic Co., Ltd.

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.**
- **50 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.**

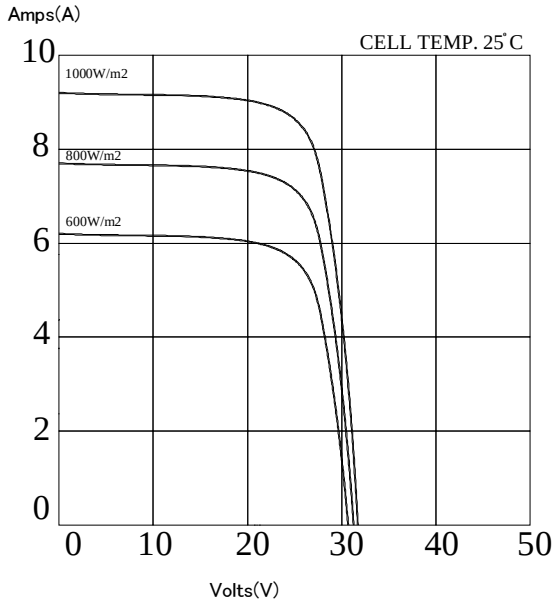
LM190BA5A00/LM195BA5A00/LM200BA5A00/LM205BA5A00/LM210BA5A00/

Maximum power (Pmax)	**190W**	**195W**	**200W**	**205W**	**210W**
Maximum power voltage (Vpm)	**24.09 V**	**24.17 V**	**24.25 V**	**24.32 V**	**24.42 V**
Maximum power current (Ipm)	**7.88 A**	**8.07 A**	**8.25 A**	**8.43 A**	**8.60 A**
Open circuit voltage (Voc)	**30.95 V**	**31.10 V**	**31.25 V**	**31.35 V**	**31.57 V**
Short circuit current (Isc)	**8.42 A**	**8.57 A**	**8.71 A**	**8.84 A**	**9.05 A**
Module efficiency (ηm)	**14.2%**	**14.6%**	**14.9%**	**15.3%**	**15.7%**
No. & type solar cells	**50 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 ℃**				
Storage temperature	**-40 to +90 ℃**				
Dimensions	**1626x824x38.1 mm±2 mm/64”x32.4”x1.5”±0.08”**				
Weight	**16.6 kg/36.60 lbs**				
Output Terminal(Tyco J-Box) **(BizLink J-Box)**	**1394462-4(-)/6-1394461-2(+)** **S418-32B(-)/S418-31B(+)**				

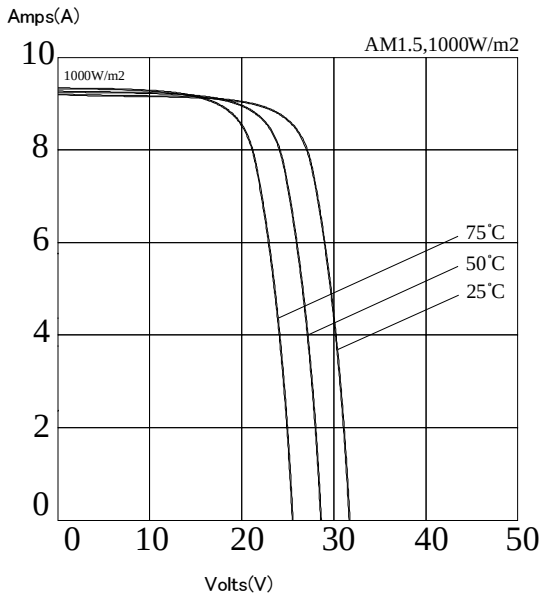
(STC) Standard Test Conditions: 25°C, 1 kW/m², AM 1.5

B3(RD-W04-02B)

ELECTRICAL CHARACTERISTICS



DEPENDENCE ON TEMPERATURE

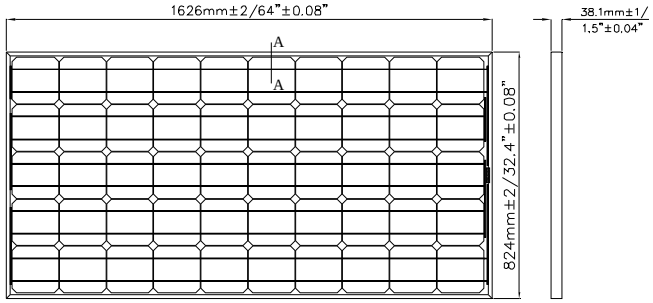


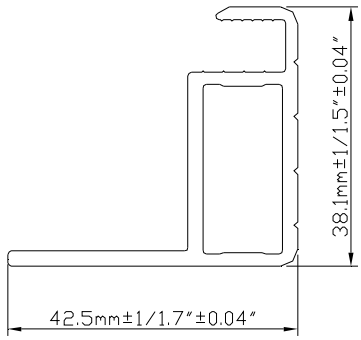
Temperature coefficient of Isc: 0.04%/℃ Power temperature coefficient: -0.43%/℃

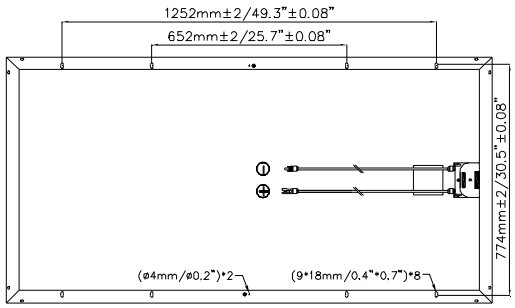
Temperature coefficient of Voc: -0.33%/℃ NOCT:46±1℃

OUTLINE DIMENSIONS

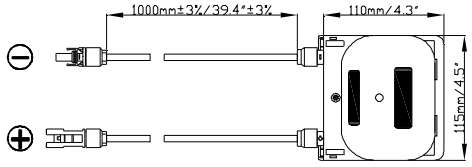
Section A-A

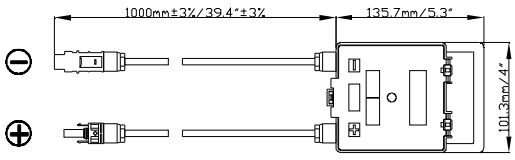






Lead Wire





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