

LM170BB00

**MULTICRYSTALLINE SILICON PHOTOVOLTAIC MODULE
WITH 170W MAXIMUM POWER**

CERTIFICATION:

- ISO 9001

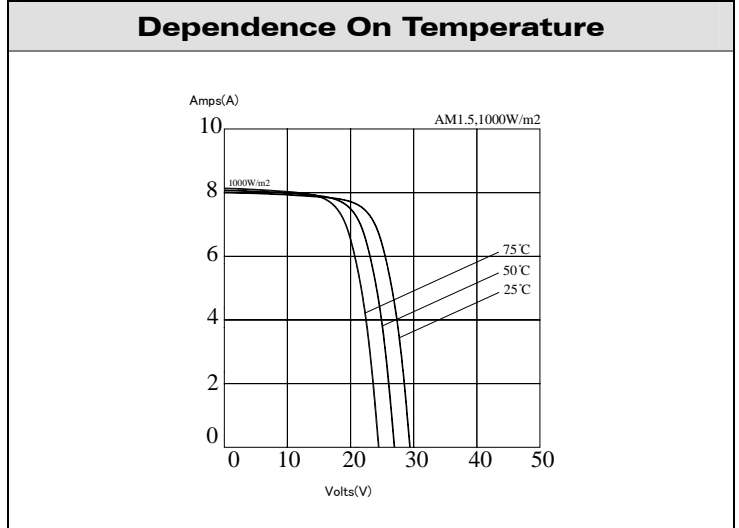


FEATURES:

- High power module using 6” multicrystalline solar cell.
- Bypass diode is attached minimize power reduction caused by shade.
- 48 solar cells and connection in series.
- Using optical low iron tempered glass, EVA resin, module with aluminum frame for outdoor use.

ELECTRICAL CHARACTERISTICS	
Maximum power (Pmax)	170 W
Maximum power voltage (Vpm)	22.80 V
Maximum power current (Ipm)	7.52 A
Open circuit voltage (Voc)	29.37 V
Short circuit current (Isc)	8.00 A
Module efficiency (η_m)	13.1%
Cell	Multicry
No. of cells and connections	48 in series
Maximum system voltage	DC 1000V
Series fuse rating	15A
Performance tolerance	$\pm 3\%$
MECHANICAL CHARACTERISTICS	
Dimensions	1309x990x38.1mm ± 1 mm
	51.5"x39"x1.5" ± 0.04 "
Weight	14.9kg
	32.85lbs
Output Terminal(Tyco J-Box)	1394462-4(-)
	6-1394461-2(+)

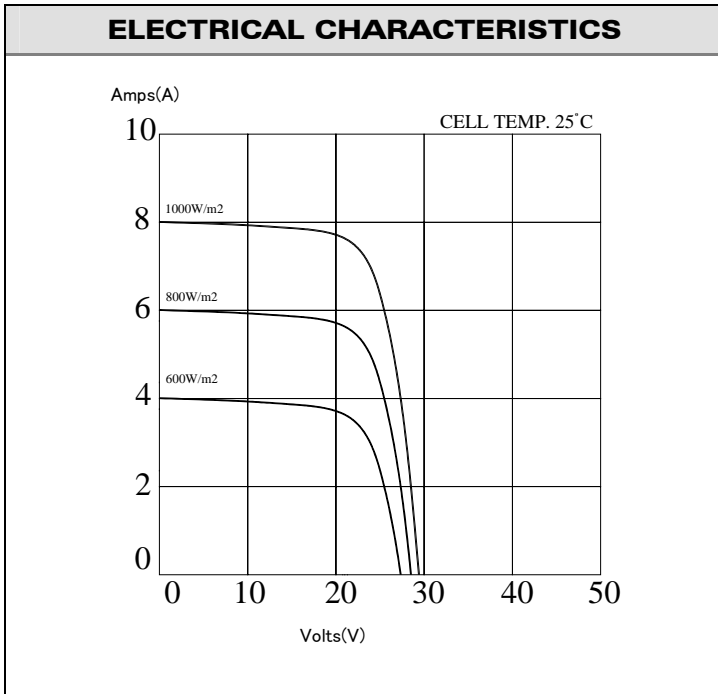
ABSOLUTE MAXIMUM RATINGS		
Parameters	Rating	Unit
Operating temperature	-40 to +90	$^{\circ}\text{C}$
Storage temperature	-40 to +90	$^{\circ}\text{C}$
Dielectric voltage withstood	2200 max	V-DC



Temperature coefficient of Isc: 3.25mA/ $^{\circ}\text{C}$

Temperature coefficient of Voc: -106.08mV/ $^{\circ}\text{C}$

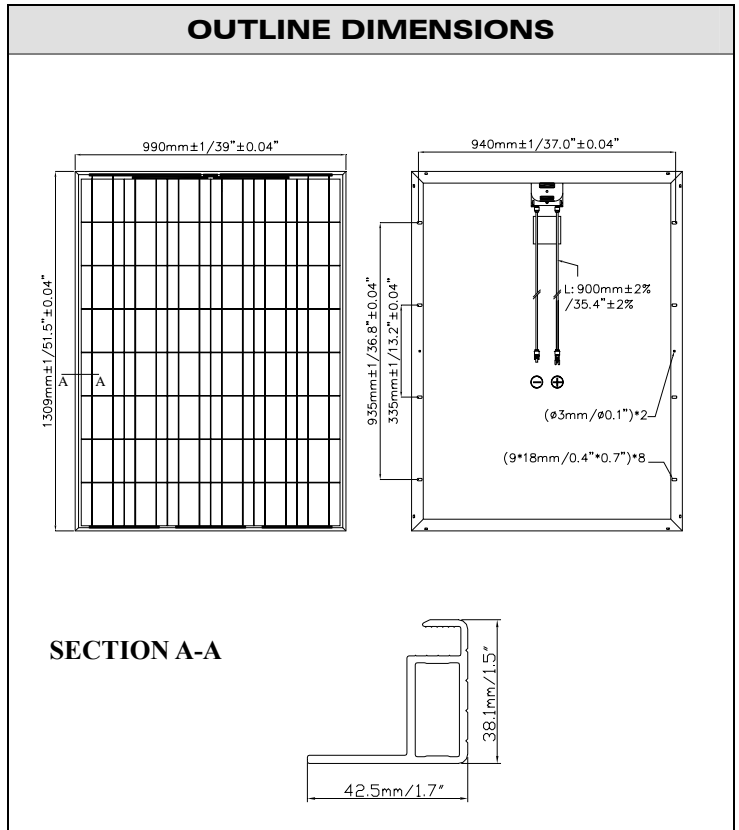
Power temperature coefficient: -0.55%/ $^{\circ}\text{C}$



Specifications are subject to change without notice.

Standard Test Conditions : 25 $^{\circ}\text{C}$, 1 KW/m², AM 1.5

Pacific Test Conditions : 20 $^{\circ}\text{C}$, 1 KW/m², AM 1.5 1 m/s wind speed



SECTION A-A