

LM170A00

**SINGLE CRYSTAL SILICON PHOTOVOLTAIC MODULE
WITH 170W MAXIMUM POWER**

CERTIFICATION:

ISO 9001



FEATURES:

High power module using 5" mono-crystalline solar cell.

Bypass diode is attached minimize power reduction caused by shade.

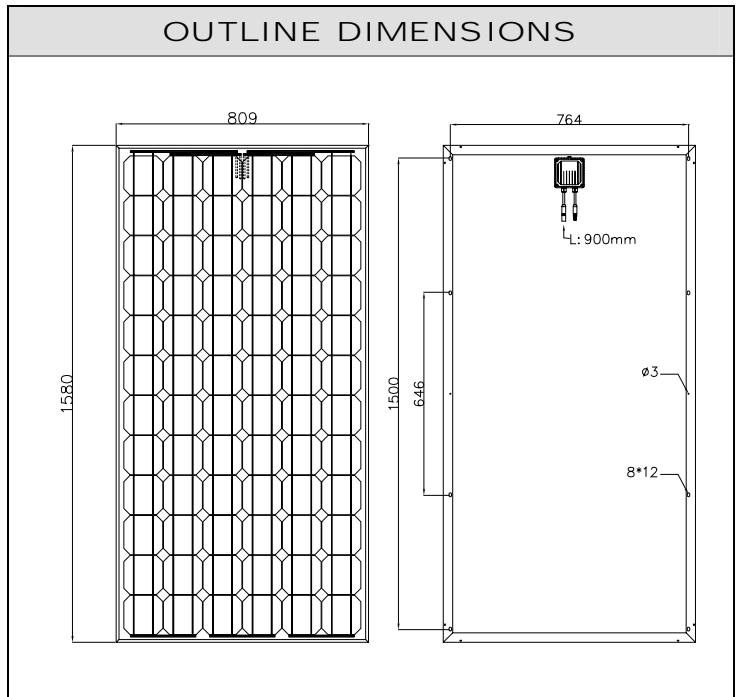
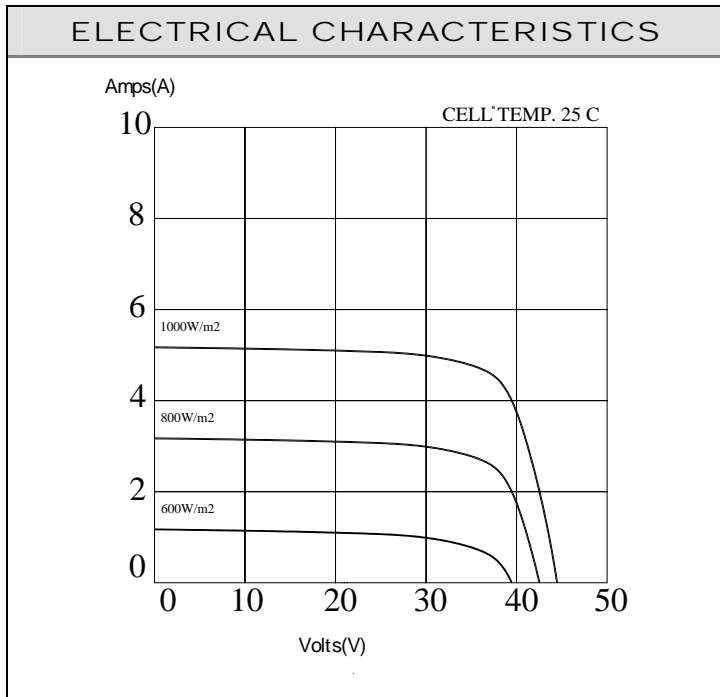
72 solar cells and connection in series.

Using optical low iron tempered glass, EVA resin, module with aluminum frame for outdoor use.

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ELECTRICAL CHARACTERISTICS	
Maximum power (Pmax)	170 W
Maximum power voltage (Vpm)	35.90 V
Maximum power current (Ipm)	4.74 A
Open circuit voltage (Voc)	44.10 V
Short circuit current (Isc)	5.17 A
Module efficiency (η_m)	13.3%
Cell	Mono-crystalline
No. of cells and connections	72 in series
Application	DC 24V system
Maximum system voltage	DC 1000V
Series fuse rating	10A
Performance tolerance	$\pm 3\%$

MECHANICAL CHARACTERISTICS		
Dimensions	1580x809x38.1mm	
Weight	14.9kg	
ABSOLUTE MAXIMUM RATINGS		
Parameters	Rating	Unit
Operating temperature	-40 to +90	
Storage temperature	-40 to +90	
Dielectric voltage withstood	2200 max	V-DC



Specifications are subject to change without notice.

Standard Test Conditions : 25°C, 1 KW/m², AM 1.5

Pacific Test Conditions : 20°C, 1 KW/m², AM 1.5 1 m/s wind speed



The module will maintain 90% of minimum specification performance along the first 10 years.
 The module will maintain 80% of minimum specification performance along sequent 15 years.