

## LM080A00

**SINGLE CRYSTAL SILICON PHOTOVOLTAIC MODULE  
WITH 80W MAXIMUM POWER**

### CERTIFICATION:

ISO 9001



### FEATURES:

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

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**Bypass diode is attached minimize power reduction caused by shade.**

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**36 solar cells and connection in series.**

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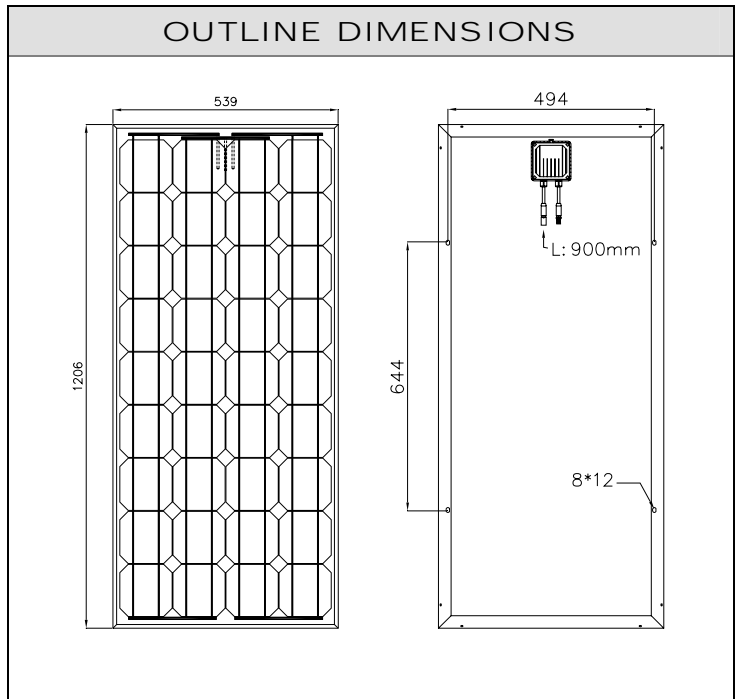
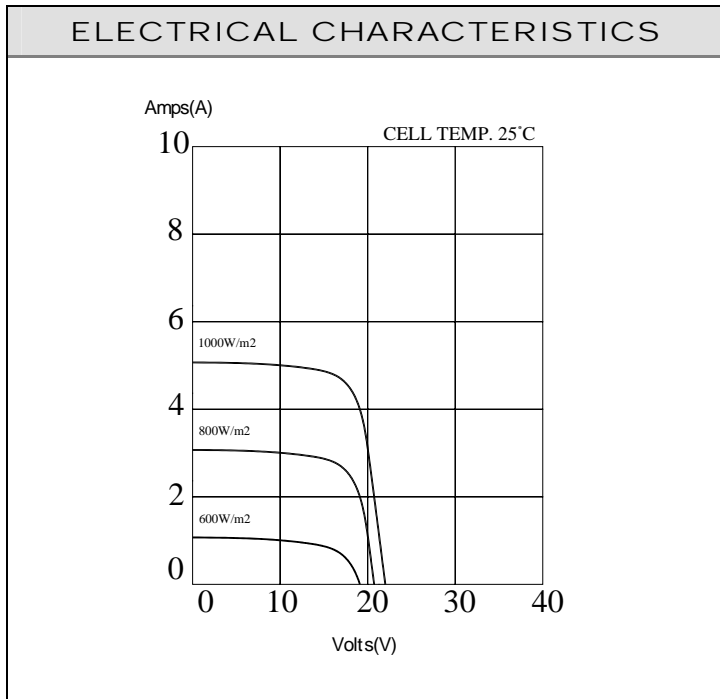
**Using optical low iron tempered glass, EVA resin, module with aluminum frame for outdoor use.**

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ELECTRICAL CHARACTERISTICS	
Maximum power (Pmax)	80 W
Maximum power voltage (Vpm)	17.86 V
Maximum power current (Ipm)	4.50 A
Open circuit voltage (Voc)	21.96 V
Short circuit current (Isc)	5.06 A
Module efficiency ( $\eta_m$ )	12.3%
Cell	Mono-crystalline
No. of cells and connections	36 in series
Application	DC 12V system
Maximum system voltage	DC 1000V
Series fuse rating	10A
Performance tolerance	$\pm 3\%$

MECHANICAL CHARACTERISTICS		
Dimensions	1206x539x38.1mm	
Weight	8.2kg	
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/m<sup>2</sup>, AM 1.5

Pacific Test Conditions : 20°C, 1 KW/m<sup>2</sup>, 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.