

LM080A00

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

CERTIFICATION:

ISO 9001



FEATURES:

High power module using 5" mono crystalline solar cell.

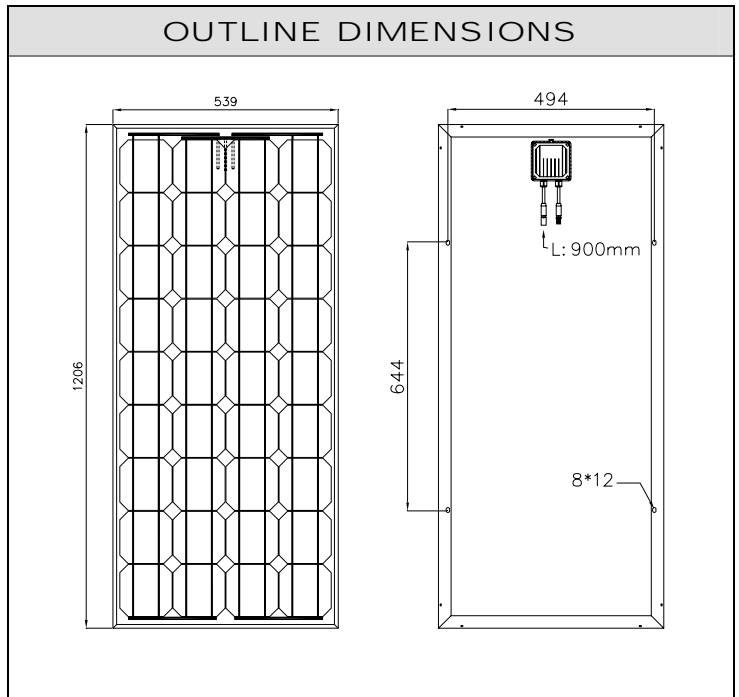
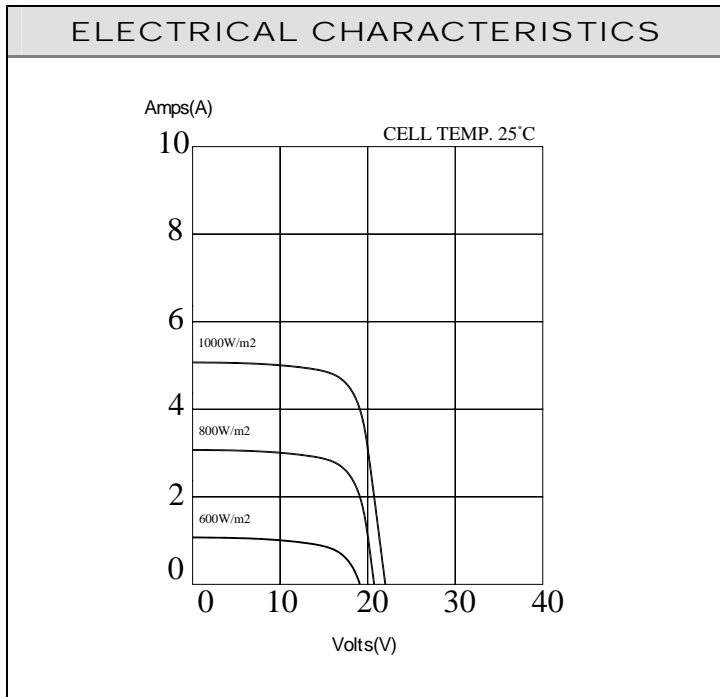
Bypass diode is attached minimize power reduction caused by shade.

36 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)	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 (η_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/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.

For further information please contact:

Plus Opto Ltd. B13, Derwent Court, William Way, Moss Ind Est., Leigh Lancs WN7 3PT

Tel:01942 671122 Fax: 01942 671133 E: sales@plusopto.co.uk Web: www.plusopto.co.uk