

SY-M0.5W

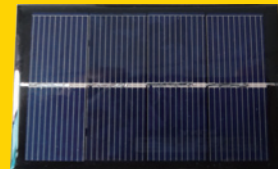
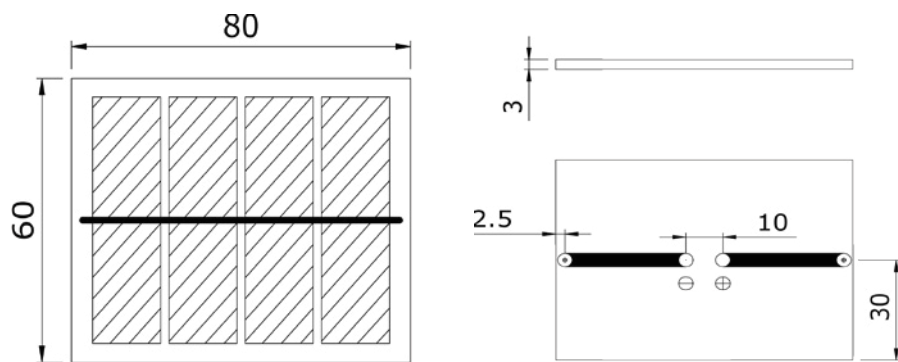
High Efficiency, High Quality PV Module

Electrical Characteristics	SY-M0.5W
Maximum power (Pmax)	0.5W
Voltage at Pmax (Vmp)	1.96V
Current at Pmax (Imp)	0.26A
Open-circuit voltage (Voc)	2.3V
Short-circuit current (Isc)	0.29A
Temperature coefficient of Voc	$-(0.40 \pm 0.05)\% / ^\circ\text{C}$
Temperature coefficient of Isc	$(0.065 \pm 0.01)\% / ^\circ\text{C}$
Temperature coefficient of power	$-(0.5 \pm 0.05)\% / ^\circ\text{C}$
NOCT (Air 20°C; Sun 0.8kW/m ² wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	20V DC
Power tolerance	+ 3%
Cells	multicrystalline silicon solar cell
No. of cells and connections	4(1X4)
Module Dimension	60mm[2.36in.]x80mm[3.15in.]x3mm[0.12in.]
Weight	23g[0.05lbs]

* STC:Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

* Specifications are subject to change without notice at any time.

Module Diagram



Key Features:

- High module efficiency and stable power output
- Based on leading process technology
- Outstanding electrical performance under high temperature conditions or low irradiance conditions
- Easy of installation and all-weather applications
- 1 years product warranty(materials and workmanship)
- 1 years module power output warranty
- Peak power of single module is guaranteed in +3% power tolerance
- Strong framed module, passing loaded test of 5400 Pa (IEC61215 2nd)
- The manufacture is certified for ISO 9001:2008

Applications

- Off grid residential roof-tops
- Off grid commercial/industrial roof-tops
- Rural area applications
- Solar power system
- Other off-grid applications

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