

# SY-M250W

## High Efficiency, High Quality PV Module



Electrical Characteristics	SY-M250W
Maximum power (Pmax)	250W
Voltage at Pmax (Vmp)	36.4V
Current at Pmax (Imp)	6.88A
Open-circuit voltage (Voc)	45.2V
Short-circuit current (Isc)	7.32A
Temperature coefficient of Voc	-(0.40 ± 0.05)%/ °C
Temperature coefficient of Isc	(0.065 ± 0.01)% /°C
Temperature coefficient of power	-(0.5±0.05)%/ °C
NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	600V DC
Power tolerance	+ 3%
Cells	multicrystalline silicon solar cell
No. of cells and connections	72(6X12)
Module Dimension	1640mm[64.57in.]x990mm[38.98in.]x35mm[1.38in.]
Weight	17.20kg[37.84lbs]

\* STC:Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C  
 \* Specifications are subject to change without notice at any time.



### 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
- 5 years product warranty(materials and workmanship)
- 20 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

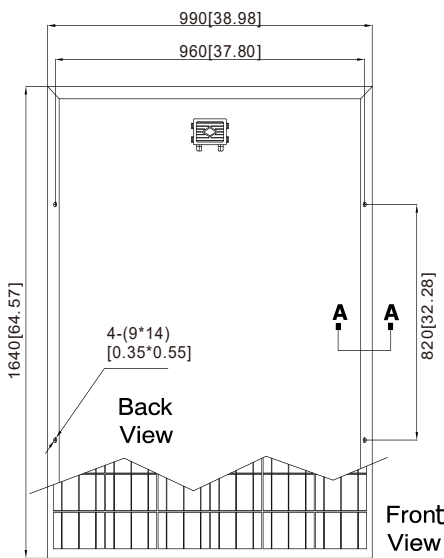
### Product's Guarantee

- 5 years products life warranty
- 15 years module power output no less 90%
- 20 years module power output no less 80%

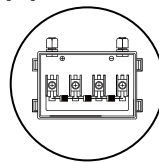
### Applications

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

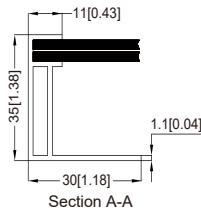
### Module Diagram



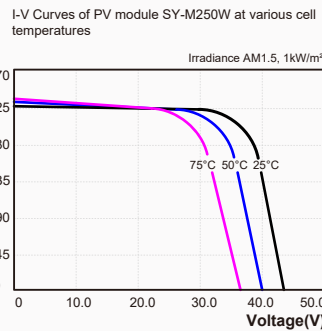
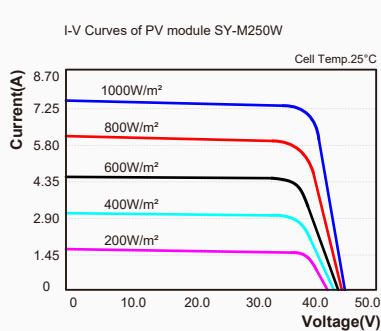
Dimensions in brackets are in inches. Un-bracketed dimensions are in millimeters. Unit:mm[in.]



Junction Box Top View (Lid open)



### I-V Curves



### SUNYO Solar Technology

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