

DATASHEET

Solar Module 100W



MODEL: SUN 100 – 36P

PV MODULE ELECTRICITY PERFORMANCE PARAMETER

Cell Type:	Polycrystalline silicon solar cell
Maximum Power (Pmax)	100W
Voltage at Pmax (Vmp)	17.6V
Current at Pmax (Imp)	5.70A
Open-circuit voltage (Voc)	22.0V
Short circuit current (Isc)	6.06A
Max System Voltage:	600V
Temperature Range	-45°C ~ +80°C

**NOTE: POWER MEASURED UNDER STANDARD TEST CONDITIONS:
1000W/M² AM 1.5 GLOBAL, 25°C - CELL TEMPERATURE**

WARNING!

This solar module produces electricity when exposed to light. Cover all modules in the PV array with opaque material before making any wiring connections or opening the terminal box.



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

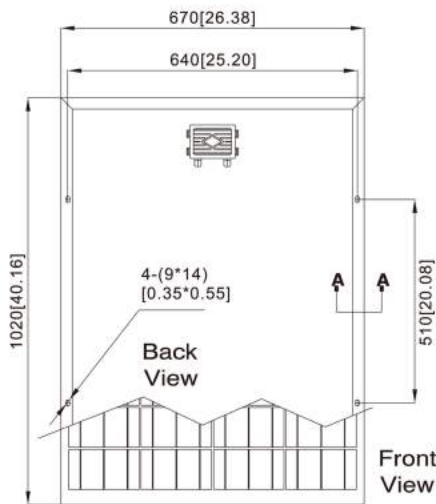
Product's Guarantee

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

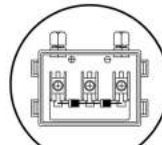
Applications

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

Module Diagram

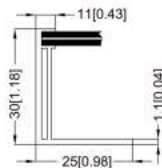


Dimensions in brackets are in inches.
Un-bracketed dimensions are in millimeters.
Unit:mm[in.]



Junction Box

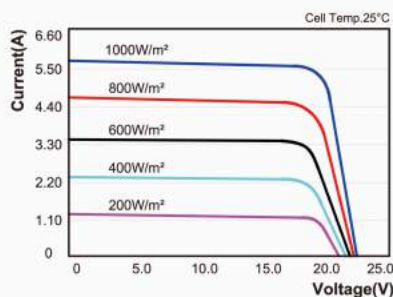
Top View (Lid open)



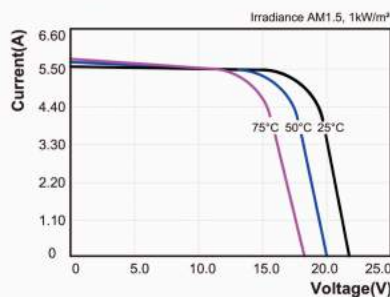
Section A-A

I-V Curves

I-V Curves of PV module SY-M100W



I-V Curves of PV module SY-M100W at various cell temperatures



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