

SOL-SYS140W

High Efficiency, High Quality PV Module



Electrical Characteristics	SOL-SYS140W
Maximum power (Pmax)	140W
Voltage at Pmax (Vmp)	18.3V
Current at Pmax (Imp)	7.66A
Open-circuit voltage (Voc)	23.2V
Short-circuit current (Isc)	7.95A
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(4X18)
Module Dimension	1392[54.80]mmx670[26.38]mmx35[1.38]mm
Weight	10.6kg[23.32lbs]

* 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 9001:2000

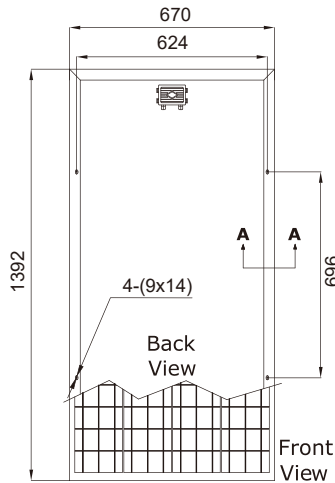
Product's Guarantee

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

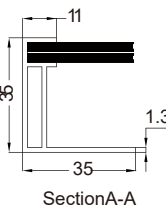
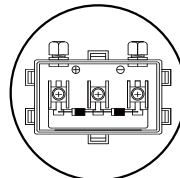
Applications

- Of grid residential roof-tops
- Of grid commercial/industrial roof-tops
- Rural area applications
- Solar power system
- Other of-grid applications

Module Diagram

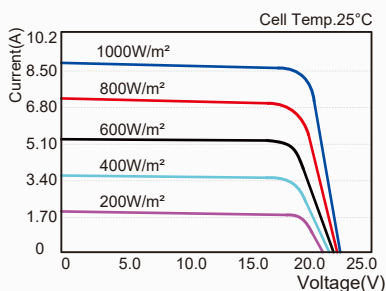


Dimensions in brackets are in inches.
 Un-bracketed dimensions are in millimeters.
 Unit:mm

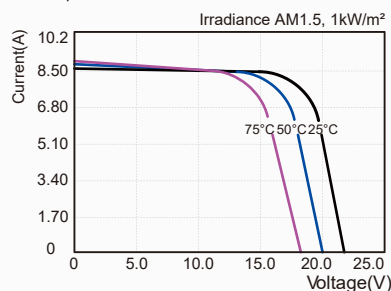


I-V Curves

I-V Curves of PV module SOL-SYS140W



I-V Curves of PV module SOL-SYS140W at various cell temperatures



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