

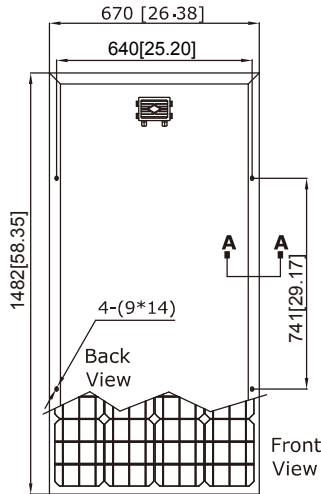
SY-S160W

High Efficiency, High Quality PV Module

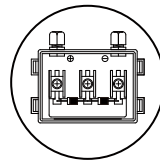
Electrical Characteristics	SY-S160W
Maximum power (Pmax)	160W
Voltage at Pmax (Vmp)	18.3V
Current at Pmax (Imp)	8.75A
Open-circuit voltage (Voc)	22.4V
Short-circuit current (Isc)	9.39A
Temperature coefficient of Voc	-0.40 ± 0.05%/ °C
Temperature coefficient of Isc	(0.065 ± 0.01)% / °C
Temperature coefficient 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	monocrystalline silicon solar cell
No. of cells and connections	36(4X9)
Module Dimension	1482mm[58.35in.]x670mm[26.38in.]x35mm[1.38in.]
Weight	11.1kg[24.42lbs]

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

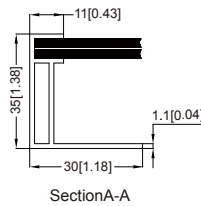
Module Diagram



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



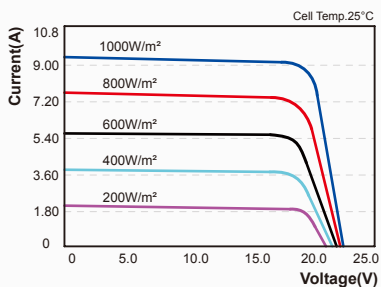
Junction Box
 Top View (Lidopen)



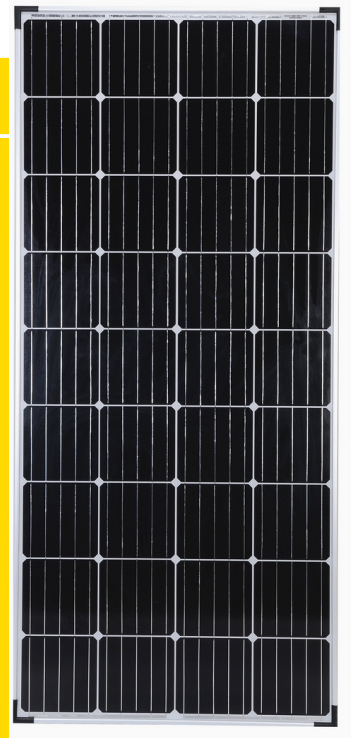
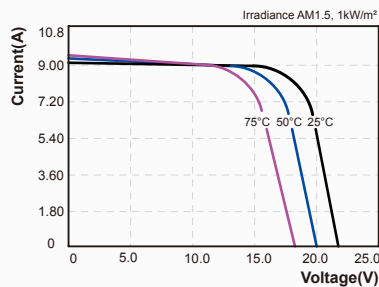
Section A-A

I-V Curves

I-V Curves of PV module SY-S160W



I-V Curves of PV module SY-S160W at various cell temperatures



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

- 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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