

**SUNNYBATT**®

**SY-S30W-12**  
High Efficiency, High Quality PV Module.

**All-purpose Module**

SUNNYBATT Solar module is a robust all-purpose solar module with high efficiency solar cell. These modules can be used for off-grid residential or commercial applications. Our meticulous design and production techniques ensure a high-yield, long term performance for every module. Our rigorous QC and testing facilities guarantee our modules meet highest quality standards possible.

**Applications**

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

**Product' s Guarantee**

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



**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 load test of 5400 Pa ( IEC61215 2nd)
- \*The manufacturer is certified for ISO 9001:2000

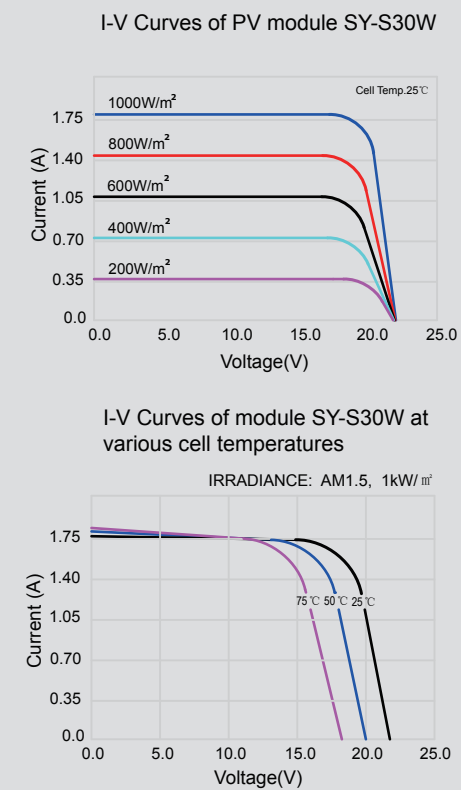
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Electrical Characteristics	SY-S30W-12
Maximum power (Pmax)	30W
Voltage at Pmax (Vmp)	17.2V
Current at Pmax (Imp)	1.75A
Open-circuit voltage (Voc)	21.6V
Short-circuit current (Isc)	1.99A
Temperature coefficient of Voc	-(0.40 ± 0.05)%/ °C
Temperature coefficient of Isc	(0.065 ± 0.01) % / °C
Temperature coefficient of power	-(0.5±0.05)%/ °C
NOCT (Air 20°C; Sun 0.8kW/m wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	600V DC
Power tolerance	± 5%
Cells	Monocrystalline silicon solar cell
No. of cells and connections	36(3*12)
Module Dimension	546*450*30mm
Weight	3.6kg

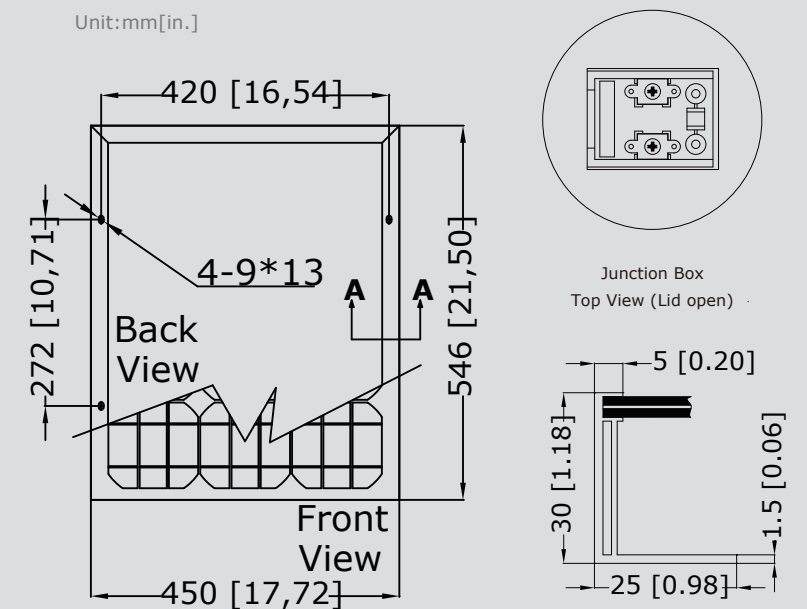
\* STC: Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C  
\* Specifications are subject to change without notice at any time.

**I-V Curves**



**Module Diagram**

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



**HIGH QUALITY, LONG GUARANTEE**