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Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes

Sunny Apex

145W Flexible Solar Module

High Efficiency Back-Contact

- ☺ Sunny Apex's flexible solar modules ranged from 30Watt to 145Watt
- Made with light weight polymer materials, suitable to install on a curved surface
- ☺ Cells with High conversion efficiency up to 23%
- Aesthetically using clear surface back-contact cells
- ☺ Excellent performance under low light conditions

***Your best choice for off-grid solar application ! ***



Electrical Specifications

Model Type	SA-F145	SA-F145
Peak Power (Pmax)	145W	145W
Module Efficiency	16.50%	16.50%
Maximum Power Voltage (Vmp)	19.7V	39.4V
Maximum Power Current (Imp)	7.36A	3.68A
Open Circuit Voltage (Voc)	24.1V	47.3V
Short Circuit Current (Isc)	7.92A	4.05A
Power Tolerance	-5% / + 10%	
Maximum System Voltage	70V	
Normal Operating Cell Temp.	46 °C (+/-2)	

Mechanical Specifications

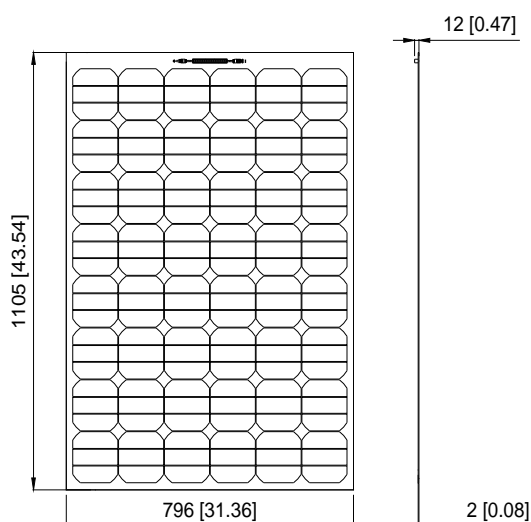
Cell type	Back contact high eff. Mono
Number of cells	Total 144 cells, 36 cells in series
Weight	9.63kg [21.23lbs]
Dimensions	1105 x 796mm [43.54 x 31.36]
Thickness	2mm [0.08in] Including jbox: 12mm [0.47in]
Junction Box	AM3101 (IP 65 waterproof)
Cables	2.5mm ² , 500mm
Connectors	AM4101 (MC4 compatible)

Temperature Coefficients

Power	-0.32%/ °C
Voltage	-1.8mV/ °C

Warranties & Certifications

Warranties	1 years product warranty, 5 years limited power warranty of 80% of the minimum specified power rating
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Unit: mm [inch]

Note: All electrical parameters are rated at standard test conditions (irradiance of 1000W/m², AM 1.5G, cell temperature 77°F/25°C)

Caution: Read Safety and Installation Instruction before using this product.

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