

# Sunny Apex

## 80W Solar Module

## High Efficiency Back-Contact

- ☉ Sunny Apex's HOP series solar modules ranged from 30Watt to 170Watt
- Aesthetically using clear surface back-contact cells
- ☉ Cells with High conversion efficiency up to 23%
- Anodized aluminum improving corrosion resistance
- ☉ Excellent performance under low light conditions

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



### Electrical Specifications

Model Type	SA-H85	SA-H80
Peak Power (Pmax)	85W	80W
Module Efficiency	17.40%	16.40%
Maximum Power Voltage (Vmp)	15.1V	15.1V
Maximum Power Current (Imp)	5.63A	5.30A
Open Circuit Voltage (Voc)	17.9V	17.9V
Short Circuit Current (Isc)	6.19A	5.83A
Power Tolerance	-5% / + 10%	
Maximum System Voltage	70V	
Norminal Operating Cell Temp.	46 °C (+/- 2)	

### Mechanical Specifications

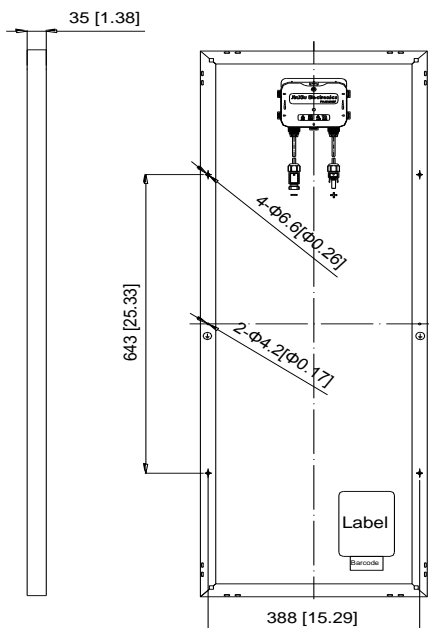
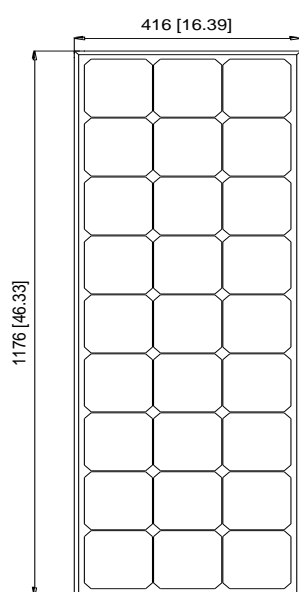
Cell type	Back contact high eff. Mono
Number of cells	27 cells in series
Weight	6.48kg [14.29lbs]
Dimensions	1176 x 416 x 35mm [46.33 x 16.39 x 1.38in]
Frame	> 15µm clear anodized aluminum
Junction Box	JX18003F (IP 67 waterproof)
Cables	4.00mm <sup>2</sup> , 900mm
Connectors	JBL01 /JBL02 (MC4 compatible)

### Temperature Coefficients

Power	-0.32%/ °C
Voltage	-1.8mV/ °C

### Warranties & Certifications

Warranties	2 years product warranty, 20 years limited power warranty of 80% of the minimum specified power rating
Certificates	CE



Unit: mm [inch]

Note: All electrical parameters are rated at standard test conditions (irradiance of 1000W/m<sup>2</sup>, AM 1.5G, cell temperature 77°F/25°C)

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

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