

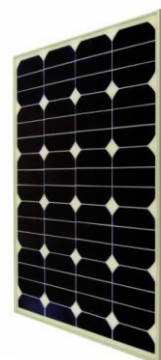
Sunny Apex

65W Solar Module

High Efficiency Back-Contact

- ☉ Sunny Apex's HOP series solar modules ranged from 30Watt to 150Watt
- 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-H65	SA-H60
Peak Power (Pmax)	65W	60W
Module Efficiency	16.50%	15.30%
Maximum Power Voltage (Vmp)	17.5V	17.5V
Maximum Power Current (Imp)	3.72A	3.42A
Open Circuit Voltage (Voc)	21.3V	21.3V
Short Circuit Current (Isc)	4.05A	3.78A
Power Tolerance	-5% / + 10%	
Maximum System Voltage	70V	
Normal Operating Cell Temp.	46 °C (+/- 2)	

Mechanical Specifications

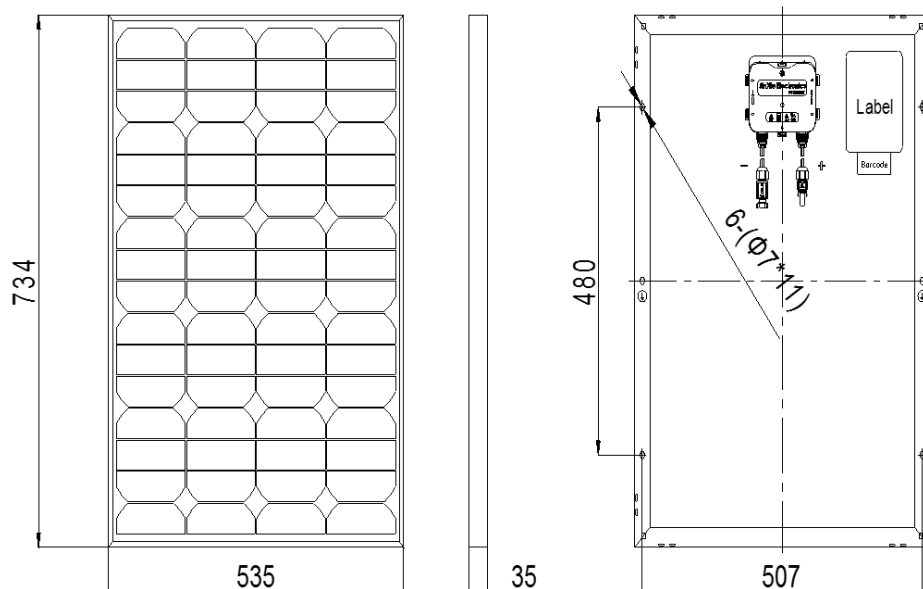
Cell type	Back contact high eff. Mono
Number of cells	Total 64 cells, 32 cells in series
Weight	4.97kg [10.96lbs]
Dimensions	734 x 535 x 35mm [28.92 x 21.08 x 1.38in]
Frame	> 15μm clear anodized aluminum
Junction Box	JB-JX80 (IP 65 waterproof)
Cables	4.00mm ² , 500mm
Connectors	JBL01 /JBL02 (MC4 compatible)

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/m², AM 1.5G, cell temperature 77°F/25°C)

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

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