

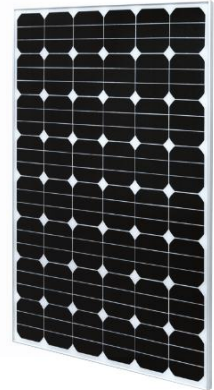
Sunny Apex

140W 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-H140	SA-H140
Peak Power (Pmax)	140W	140W
Module Efficiency	16.30%	16.30%
Maximum Power Voltage (Vmp)	19.7V	39.4V
Maximum Power Current (Imp)	7.14A	3.55A
Open Circuit Voltage (Voc)	24.1V	47.3V
Short Circuit Current (Isc)	7.82A	3.91A
Power Tolerance	-5% / + 10%	
Maximum System Voltage	70V	
Normal Operating Cell Temp.	46 °C (+/- 2)	

Mechanical Specifications

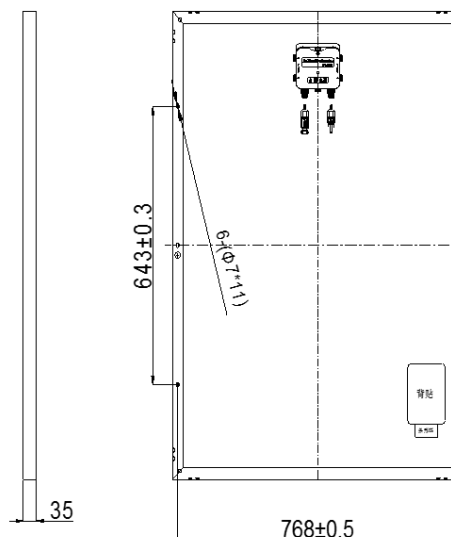
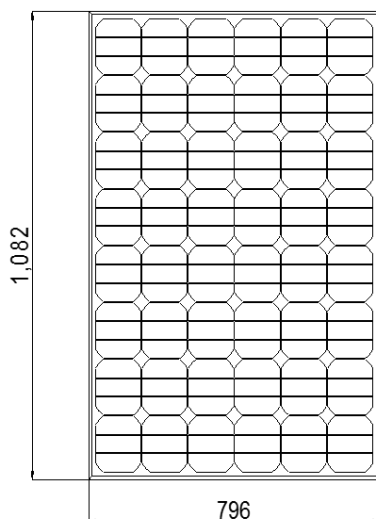
Cell type	Back contact high eff. Mono
Number of cells	Total 144 cells, 36 cells in series
Weight	10.77kg [23.74lbs]
Dimensions	1082 x 796 x 35mm [42.55 x 31.36 x 1.38in]
Frame	> 15 μ m clear anodized aluminum
Junction Box	JX18003F (IP 67 waterproof)
Cables	4.00mm ² , 900mm
Connectors	JBL01 /JBL02 (MC4 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/m², AM 1.5G, cell temperature 77°F/25°C)

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

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