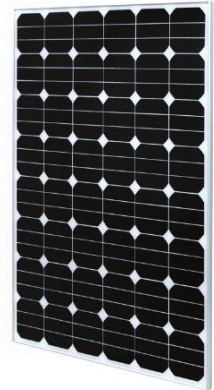


## 145W Solar Module

## High Efficiency Back-Contact

- ☺ Sunny Apex's HOP series solar modules ranged from 35Watt to 175Watt
- ☺ Aesthetically using clear surface back-contact cells
- ☺ Cells with High conversion efficiency above 24%
- ☺ Anodized aluminum improving corrosion resistance
- ☺ Excellent performance under low light conditions



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

### Electrical Specifications

Model Type	SA-H145	SA-H145
Peak Power (Pmax)	145W	145W
Module Efficiency	20.20%	20.20%
Maximum Power Voltage (Vmp)	18.3V	36.6V
Maximum Power Current (Imp)	7.92A	3.96A
Open Circuit Voltage (Voc)	21.6V	43.2V
Short Circuit Current (Isc)	8.36A	4.18A
Power Tolerance	-5% / + 10%	
Maximum System Voltage	70V	
Normal Operating Cell Temp.	46 °C (+/- 2)	

### Mechanical Specifications

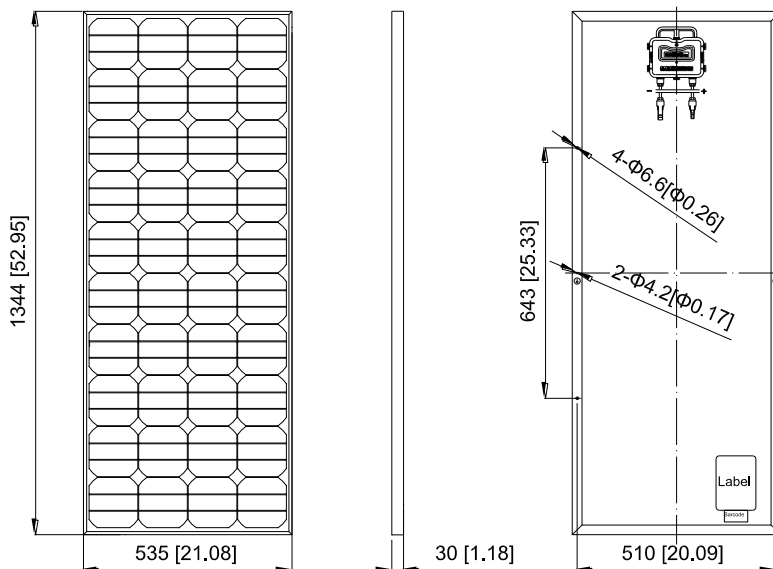
Cell type	Back contact high eff. Mono
Number of cells	Total 120 cells, 30 cells in series
Weight	8.5kg [18.74lbs]
Dimensions	1344 x 535 x 35mm [52.91 x 21.47 x 1.38in]
Frame	> 15μm clear anodized aluminum
Junction Box	IP 65 waterproof
Cables	4.00mm <sup>2</sup> , 900mm
Connectors	MC4 compatible

### Temperature Coefficients

Power	-0.27%/°C
Voltage	-0.236%/°C
Current	0.058%/°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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