

Sunny Apex

90W 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-F90
Peak Power (Pmax)	90W
Module Efficiency	15.80%
Maximum Power Voltage (Vmp)	15.6V
Maximum Power Current (Imp)	5.77A
Open Circuit Voltage (Voc)	18.3V
Short Circuit Current (Isc)	6.20A
Power Tolerance	-5% / + 10%
Maximum System Voltage	70V
Normal Operating Cell Temp.	46 °C (+/-2)

Mechanical Specifications

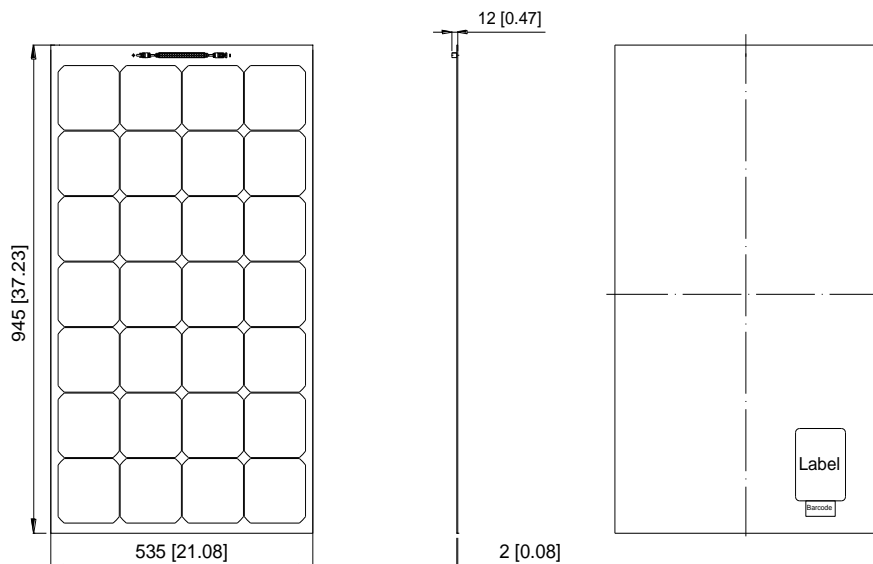
Cell type	Back contact high eff. Mono
Number of cells	28 cells in series
Weight	5.54kg [12.21lbs]
Dimensions	945 x 535mm [37.23 x 21.08]
Thickness	2mm [0.08in] Including jbox: 12mm [0.47in]
Junction Box	AM3101 (IP 65 waterproof)
Cables	2.5mm ² , 500mm
Connectors	AM4101 (MC4 compatible)

Temperature Coefficients

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

Warranties & Certifications

Warranties	2 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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