

Sunny Apex

180W Photovoltaic Solar Module

EC Series

- ☉ Sunny Apex's EC series solar modules ranged from 10Watt to 200Watt
- Using high quality multi-crystalline cells and encapsulation materials
- ☉ Anodized aluminum improving corrosion resistance
- Excellent low light behaviour for improved energy yield

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



Electrical Specifications

Model Type	SA-EC180	SA-EC175	SA-EC170
Peak Power (Pmax)	180W	175W	170W
Module Efficiency	14.10%	13.80%	13.40%
Maximum Power Voltage (Vmp)	17.5V	17.5V	17.5V
Maximum Power Current (Imp)	10.3A	10.0A	9.71A
Open Circuit Voltage (Voc)	21.8V	21.8V	21.8V
Short Circuit Current (Isc)	11.5A	11.2A	10.9A
Power Tolerance	-5% / + 10%		
Maximum System Voltage	600V		
Normal Operating Cell Temp.	46 °C (+/-2)		

Mechanical Specifications

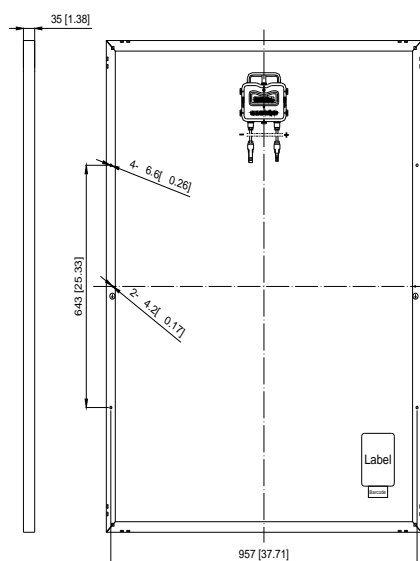
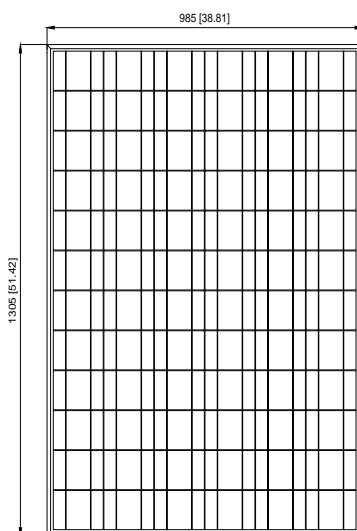
Cell type	Poly-crystalline
Number of cells	Total 72 cells, 36 cells in series
Weight	15.55kg [34.28lbs]
Dimensions	1305 x 985 x 35mm [51.42 x 38.81 x 1.38in]
Frame	> 15 _μ m clear anodized aluminum
Junction Box	AM1103 (IP65 waterproof)
Cables	4.00mm ² , 800mm
Connectors	AM4101 (MC4 compatible)

Temperature Coefficients

Power	-0.43 %/K
Current	+0.06 %/K
Voltage	-0.36 %/K

Warranties & Certifications

Warranties	2 years product warranty, 20 years limited power warranty of 80% of the minimum specified power rating
Caution: Read Safety and Installation Instruction before using this product	



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)

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