

# Sunny Apex

## 20W 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-EC20
Peak Power (Pmax)	20W
Module Efficiency	10.70%
Maximum Power Voltage (Vmp)	17.4V
Maximum Power Current (Imp)	1.15A
Open Circuit Voltage (Voc)	21.9V
Short Circuit Current (Isc)	1.29A
Power Tolerance	-5% / + 10%
Maximum System Voltage	600V
Normal Operating Cell Temp.	46 °C (+/-2)

### Mechanical Specifications

Cell type	Poly-crystalline
Number of cells	36 cells in series
Weight	2.3kg [5.07lbs]
Dimensions	535 x 349 x 18mm [21.08 x 13.75 x 0.71 in]
Frame	> 15 $\mu$ m clear anodized aluminum
Junction Box	JX80B (IP65 waterproof)
Cables	4.00mm <sup>2</sup> , 500mm
Connectors	LJQ-1 (MC4 compatible)

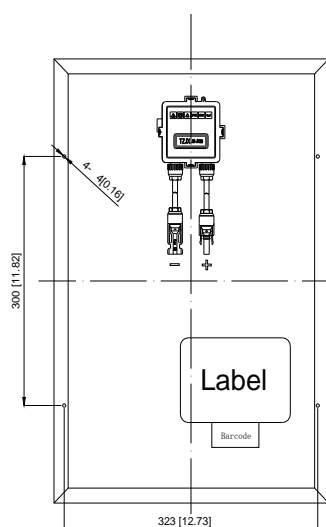
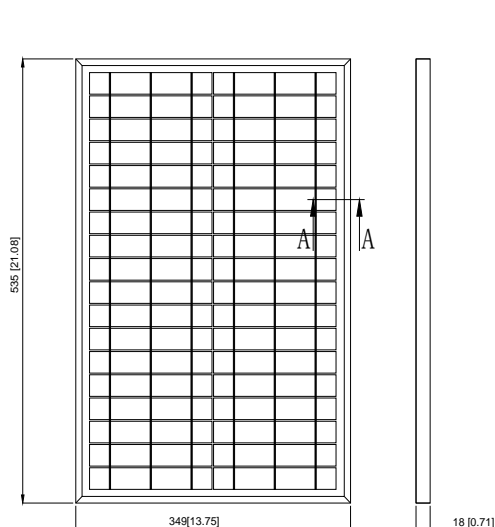
### Temperature Coefficients

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
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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/m<sup>2</sup>, AM 1.5G, cell temperature 77°F/25°C)

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