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# EnergyPal

**Solar Panel Guide**

**Specification Data Sheet**

Learn more at [energypal.com/best-solar-panels-for-homes](https://energypal.com/best-solar-panels-for-homes)

## 200W 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-EC200	SA-EC195	SA-EC190
Peak Power (Pmax)	200W	195W	190W
Module Efficiency	13.90%	13.60%	13.20%
Maximum Power Voltage (Vmp)	35.0V	35.0V	35.0V
Maximum Power Current (Imp)	5.71A	5.57A	5.43A
Open Circuit Voltage (Voc)	42.0V	42.0V	42.0V
Short Circuit Current (Isc)	6.28A	6.13A	5.97A
Power Tolerance	-5% / + 10%		
Maximum System Voltage	600V		
Norminal Operating Cell Temp.	46 °C (+/-2)		

#### Mechanical Specifications

Cell type	Poly-crystalline
Number of cells	72 cells in series
Weight	16kg [35.27lbs]
Dimensions	1470 x 995 x 46mm [57.92 x 39.2 x 1.81 in]
Frame	> 15 $\mu$ m clear anodized aluminum
Junction Box	JX-18003F (IP65 waterproof)
Cables	4.00mm <sup>2</sup> , 500mm
Connectors	LJQ-1 (MC4 compatible)

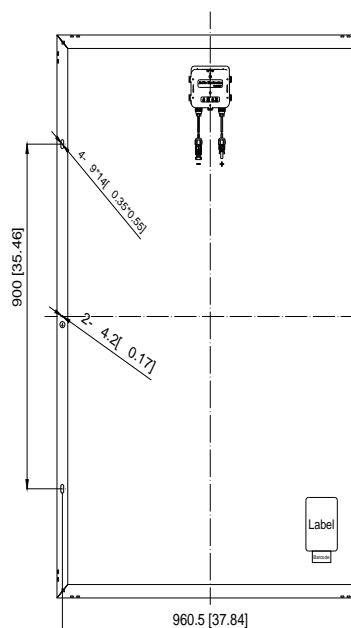
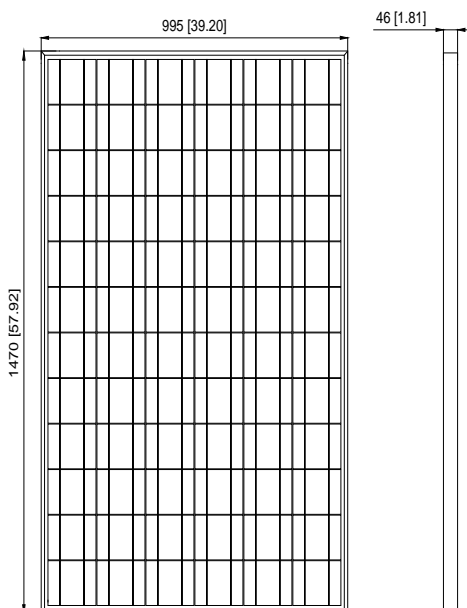
#### Temperature Coefficients

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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