

## 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<br>[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)                        |

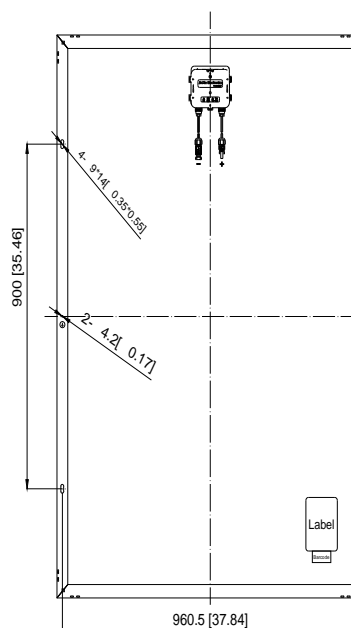
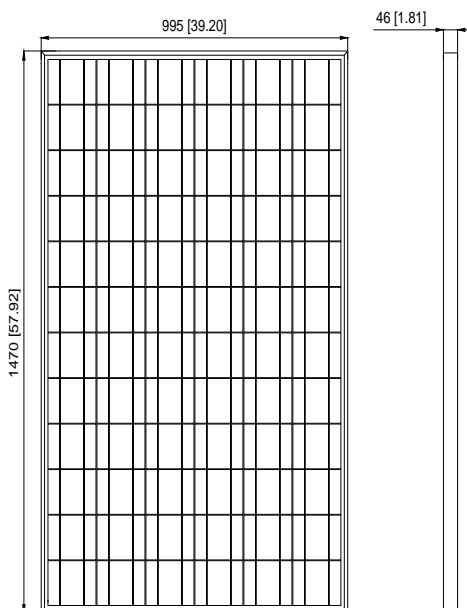
#### Temperature Coefficients

|         |           |
|---------|-----------|
| 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 |
|------------|--|

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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