



ES-POLY 150

Polycrystalline Photovoltaic Module

Suitable for all small scale photovoltaics systems.
Capability of charging batteries 12-24-48 V with compatible charge controller.

▶ Mechanical Characteristics

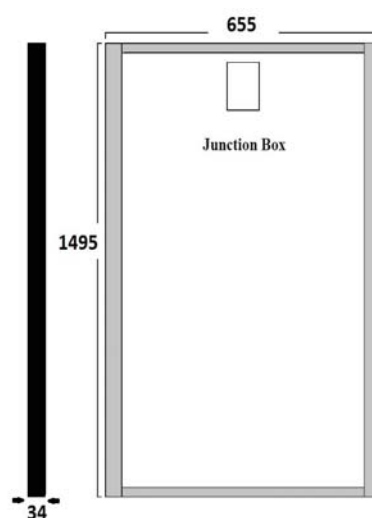
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|----------------------|---|
| Solar Cell | Polycrystalline silicon 156x156 mm (6 inch) |
| Nr. of Cells | 36 (9x4) |
| Dimensions | 1495 * 655 * 34 mm |
| Weight | 10.2 kg |
| Front | Glass 3.2 mm tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | 130 * 105 * 30 mm |
| Mechanical Load Test | 5400Pa |
| Resistance | 277g steel ball free fall from 1m height and 60m/s wind |

▶ Electrical Characteristics

| | |
|----------------------------------|----------------|
| Optimum Operating Voltage (Vmp) | 18.43 V |
| Optimum Operating Current (Imp) | 8.14 A |
| Open Circuit Voltage (Voc) | 22.1 V |
| Short Circuit Current (Isc) | 8.95 A |
| Maximum Power at STC (Pmax) | 150 W |
| Operating Module Temperature | -40°C to +85°C |
| Maximum System Voltage | 1000 V DC |
| Maximum Series Fuse Rating | 10 A |
| Power Tolerance | + 2,5% |

STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

▶ Dimensions



▶ Temperature Characteristics

| | |
|---|------------|
| Nominal Operating Cell Temperature (NOCT) | 45° +2°C |
| Temperature Coefficient of Pmax | -0.46 %/°C |
| Temperature Coefficient of Voc | -0.35 %/°C |
| Temperature Coefficient of Isc | 0.05 %/°C |

* Specifications could be subject to change without any prior notice.

* ECO//SUN is not responsible for any print errors

*This version replaces all previous ones