



ES-POLY 40

Polycrystalline Photovoltaic Module

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

Mechanical Characteristics

Solar Cell	Polycrystalline silicon
Nr. of Cells	36 (12x3)
Dimensions	615 * 545 * 34 mm
Weight	4.4 kg
Front	Glass 3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	105 * 78 * 25 mm
Mechanical Load Test	5400Pa
Resistance	277g steel ball free fall from 1m height and 60m/s wind

Electrical Characteristics

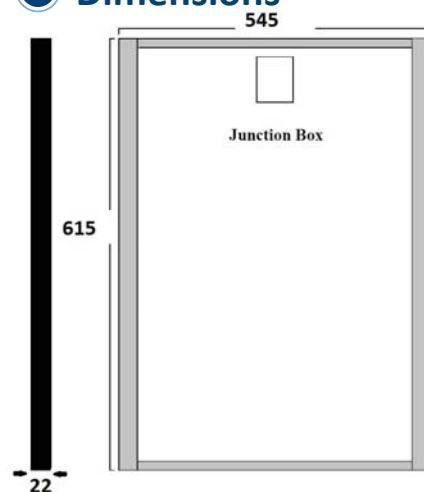
Optimum Operating Voltage (Vmp)	17.4 V
Optimum Operating Current (Imp)	2.3 A
Open Circuit Voltage (Voc)	21.4 V
Short Circuit Current (Isc)	2.58 A
Maximum Power at STC (Pmax)	40 W
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1000 V DC
Maximum Series Fuse Rating	10 A
Power Tolerance	+ 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%

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

Dimensions



* 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