



ES-POLY 10

Polycrystalline Photovoltaic Module

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

Mechanical Characteristics

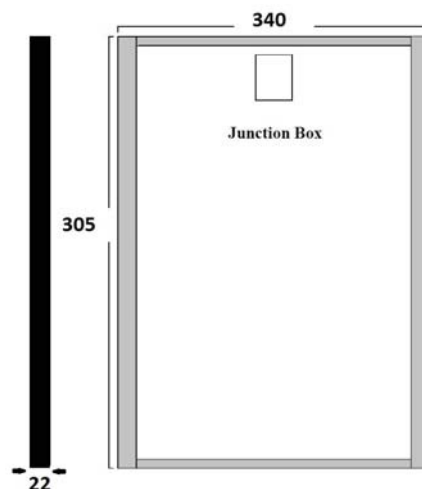
Solar Cell	Polycrystalline silicon
Nr. of Cells	36 (9x4)
Dimensions	305 * 340 * 22 mm
Weight	1.5 kg
Front	Glass 3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	50 * 40 * 12 mm
Mechanical Load Test	5400Pa
Resistance	277g steel ball free fall from 1m height and 60m/s

wind

Electrical Characteristics

Optimum Operating Voltage (Vmp)	17.71 V
Optimum Operating Current (Imp)	0.55 A
Open Circuit Voltage (Voc)	21.00 V
Short Circuit Current (Isc)	0.76 A
Maximum Power at STC (Pmax)	10 W
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	800 V DC
Maximum Series Fuse Rating	6 A
Power Tolerance	+ 2,5%

Dimensions



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

* 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

V16.0303