



ES-POLY 120

Polycrystalline Photovoltaic Module

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

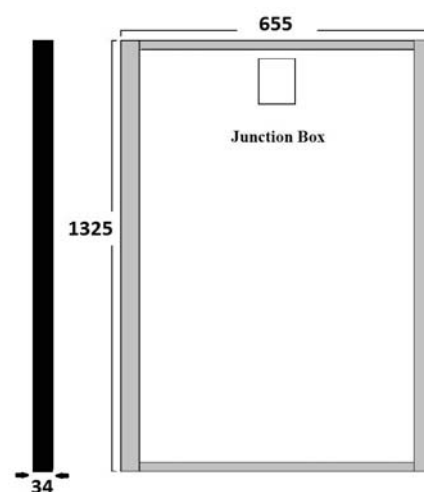
Mechanical Characteristics

Solar Cell	Polycrystalline silicon 156x156 mm (6 inch)
Nr. of Cells	36 (9x4)
Dimensions	1325 * 655 * 34 mm
Weight	11 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)	18.21 V
Optimum Operating Current (Imp)	6.59 A
Open Circuit Voltage (Voc)	22.20 V
Short Circuit Current (Isc)	7.25 A
Maximum Power at STC (Pmax)	120 W
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	800 V DC
Maximum Series Fuse Rating	12 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

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