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ES-POLY 80

Polycrystaline Photovoltaic Module

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

Mechanical Characteristics

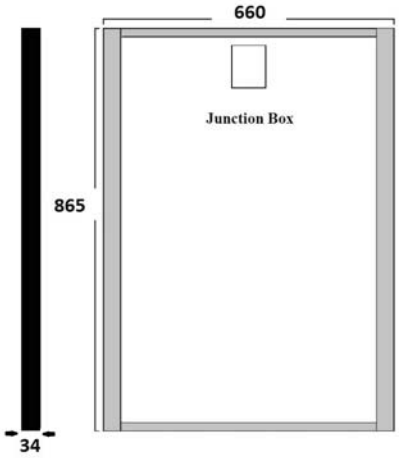
Solar Cell	Polycrystaline silicon 156x156 mm (6 inch)
Nr. of Cells	36 (9x4)
Dimensions	864 * 660 * 34 mm
Weight	8 kg
Front	Glass 3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	105 * 78 * 25 mm
Mechanical Load Test	5400Pa
Resistance	277g steel ball free fall from 1m height and 60m/s wind

Electrical Characteristics

Optimum Operating Voltage (Vmp)	17.55 V
Optimum Operating Current (Imp)	4.56 A
Open Circuit Voltage (Voc)	21.30 V
Short Circuit Current (Isc)	5.01 A
Maximum Power at STC (Pmax)	80 W
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	800 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

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