



EPLY 185W Monocrystalline Solar Module

EPLY 185W solar modules are made of 72 pcs 125mm x 125mm monocrystalline solar cells in series with high efficiency, high transmission rate and low iron tempered glass, anti-aging EVA and high flame resistant back sheet, and anodized aluminum alloy. The modules have advantages of high efficiency, long service life, easy to install as well as high wind and hail impact resistance.



Features and Benefits

- High efficiency
- Outstanding low-light performance
- Applicable for grid connected and 24Vstand-alone systems
- Power warranties: 25years (80%), 10years (90%)
- 10years product guarantee
- Power tolerance +/- 3%
- Modules are protected against environmental stress by firm attachment of the module frame and glass

Electrical Specifications

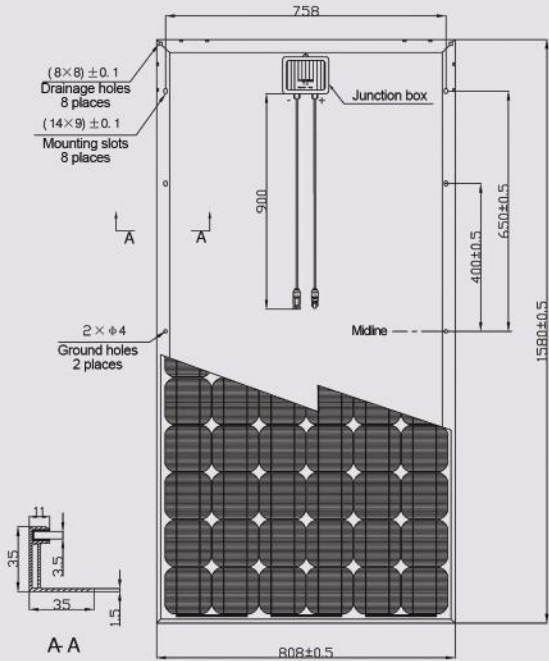
Type / Model	EPLY 185M
open circuit voltage (V)	43.47
optimum operating voltage (V)	36.28
short-circuit current (A)	5.40
optimum operating current (A)	5.10
maximum power at STC (Pmax)	185W
operating temperature	-40°C to 85°C
maximum system voltage	1000VDC

The electrical specifications are typical average value from historical production data.
The electrical data relates to standard test conditions [STC]: 1,000W/m²; AM 1.5; 25°C

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ALL DIMENSIONS IN mm



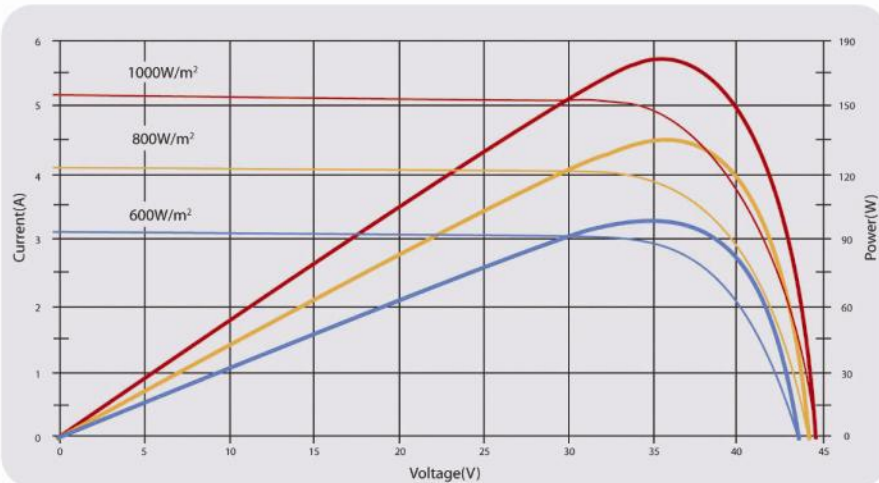
Mechanical Characteristics

Solar Cell	Monocrystalline silicon solar cell 125x125(mm)
No. of Cells	72 (6x12)
Dimensions	1580x808x35(mm)
Weight	15kg
Front Glass	3.2mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy
Cable Type	Φ=4mm ² L=900mm
Junction Box	PV-GZX0601 MC3 or MC4

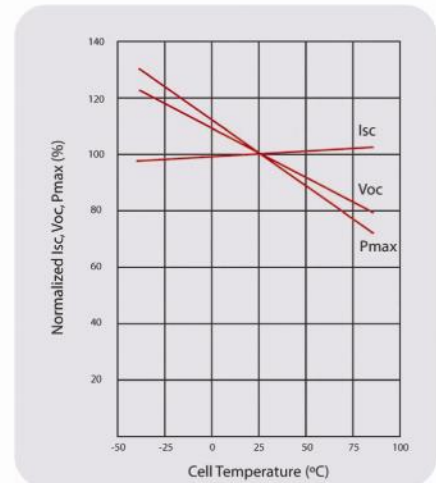
Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45±2 °C
Temperature Coefficient of Pmax	-0.39%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	-0.052%/°C

Current-Voltage & Power-Voltage Curve



Temperature Dependence of Isc, Voc, Pmax



Specifications are subjected to change without further notice.