

EL-72/6P Series

EL-72/6P250 (250 Watt)
 EL-72/6P260 (260 Watt)
 EL-72/6P270 (270 Watt)
 EL-72/6P280 (280 Watt)



Polycrystalline PV Modules

Everlight Polycrystalline photovoltaic panels offer industry leading performance in conversion efficiency and are designed specifically for our customers' residential, commercial and industrial needs.

Our Polycrystalline panels combine excellent solar power performance with great affordability. Our high power modules are designed and manufactured to the highest standards, are built to last and backed by our solid product warranty. These modules are designed for grid connected power plants up to 1000VDC and stand alone

KEY FEATURES

Superior Performance

- Made with highly efficient, reliable Polycrystalline solar cells to ensure output stability and industry leading power generation.
- Low voltage temperature coefficient delivers higher power output
- Advanced surface texturing increases light absorption
- Each model is equipped with by-pass diodes to ensure performance even if partially shaded

Durability

- High-quality tempered glass, EVA and backsheet provide insulation and protection against the elements
- Our patented frame features anti-corrosion treatment and solid aluminum construction

Flexibility

- Our modules are stored and transported using custom packaging to ensure safe delivery
- Innovative hexagonal drainage holes increase flexibility and ease installation no matter what the application

Reliability

- 25 year limited warranty on power output
- 7 year limited warranty on materials and workmanship
- Manufactured to the highest standards in our ISO 9001:2008 certified plant, Helios Photovoltaic Co. Ltd.
- Certified by ISO, CE and IEC

CE ISO9001 IEC

Headquarters-Hong Kong

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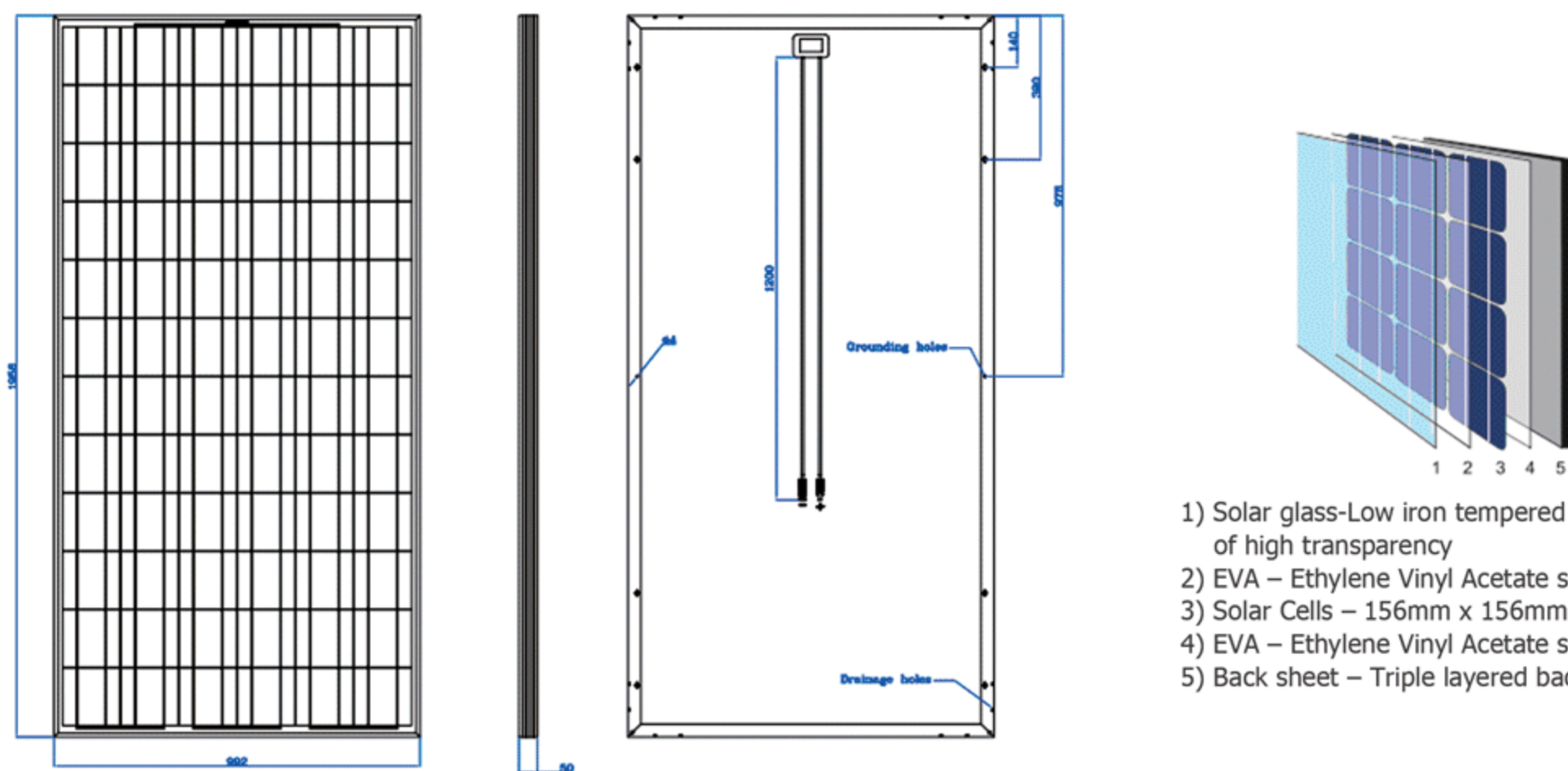
Manufactory-China

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EL-72/6P Series Technical Specifications

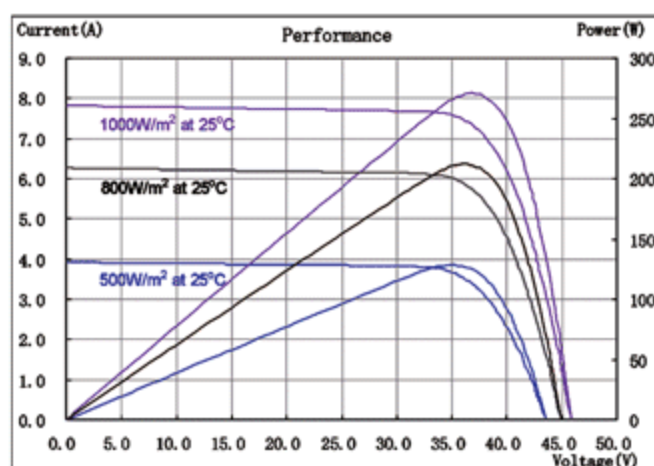
ELECTRICAL CHARACTERISTICS				
Model	EL-72/6P250	EL-72/6P260	EL-72/6P270	EL-72/6P280
Maximum power (Pmax)	250W	260W	270W	280W
Voltage at max. power (Vmp)	36.5V	36.7V	36.7V	37.0V
Current at max. power (Imp)	6.85A	7.08A	7.36A	7.57A
Open circuit voltage (Voc)	45.2V	45.5V	45.8V	45.8V
Short circuit current (Isc)	7.38A	7.62A	7.86A	8.17A
Temperature coefficient of Isc	(0.065 ± 0.015)%/°C			
Temperature coefficient of Voc	-(160 ± 20)mV/°C			
Temperature coefficient of power	-(0.45 ± 0.05)%/°C			
Operating temperature	-40/+85°C			
MECHANICAL CHARACTERISTICS				
Cell type	156 x 156 Polycrystalline solar cell			
Cell array	72 pieces in a 12 x 6 matrix connected in series			
Dimensions (mm)	1956 X 992 X 50			
Weight (kg)	27			
Frame	Clear anodized aluminum alloy type universal frame; silver color			
Construction	Front: High-transmission 4mm tempered glass Back: Polyester Encapsulant: EVA			

Module Diagram

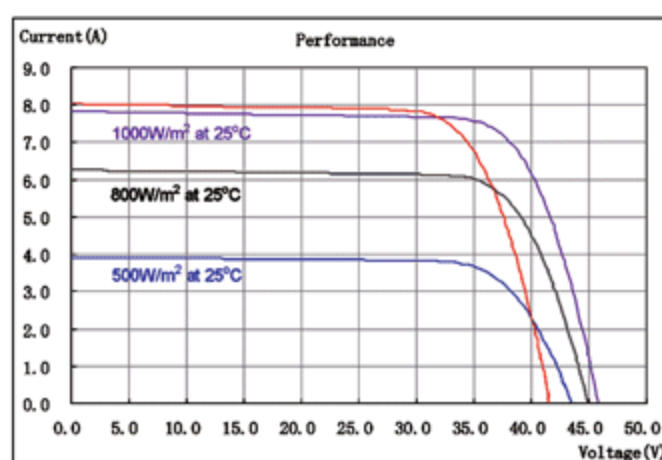


- 1) Solar glass-Low iron tempered glass of high transparency
- 2) EVA – Ethylene Vinyl Acetate sheet
- 3) Solar Cells – 156mm x 156mm
- 4) EVA – Ethylene Vinyl Acetate sheet
- 5) Back sheet – Triple layered back sheet

Electrical Performance



Power Output



TEMPERATURE COEFFICIENTS

Isc = +0.065%/°C
 Voc = -0.436%/°C
 Pmax = +0.488%/°C

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