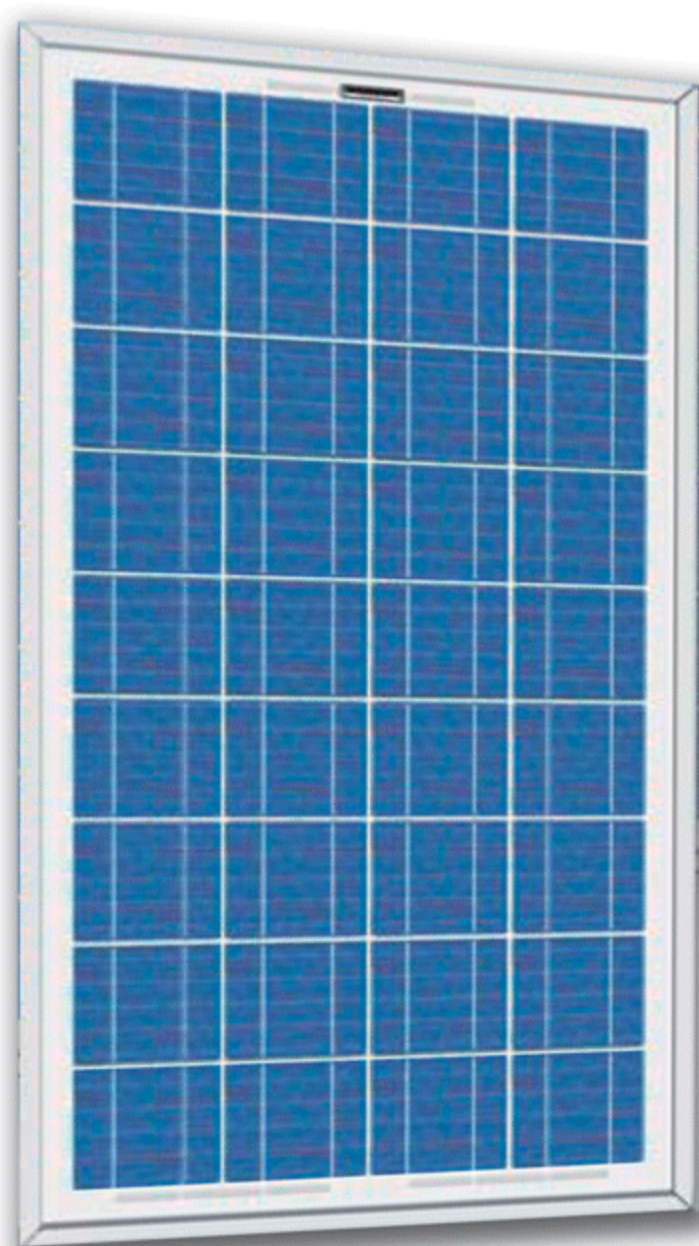


## EL-36/5P Series

EL-36/5P75 (75 Watt)  
 EL-36/5P80 (80 Watt)  
 EL-36/5P85 (85 Watt)



CE ISO9001 IEC

### 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 ideal for supplying energy for appliances in recreational vehicles and cabins, pumps, beacons and lighting equipment, and solar power recharging stations.

### 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

#### Headquarters-Hong Kong

Everlight Corporation Ltd.  
 2506, West Tower, Shun Tak Centre, 168-200 Connaught Road, Central, Hong Kong  
 Tel: +852 6614 4916 Fax: +852 2815 1975  
 URL: www.everlight-solar.com



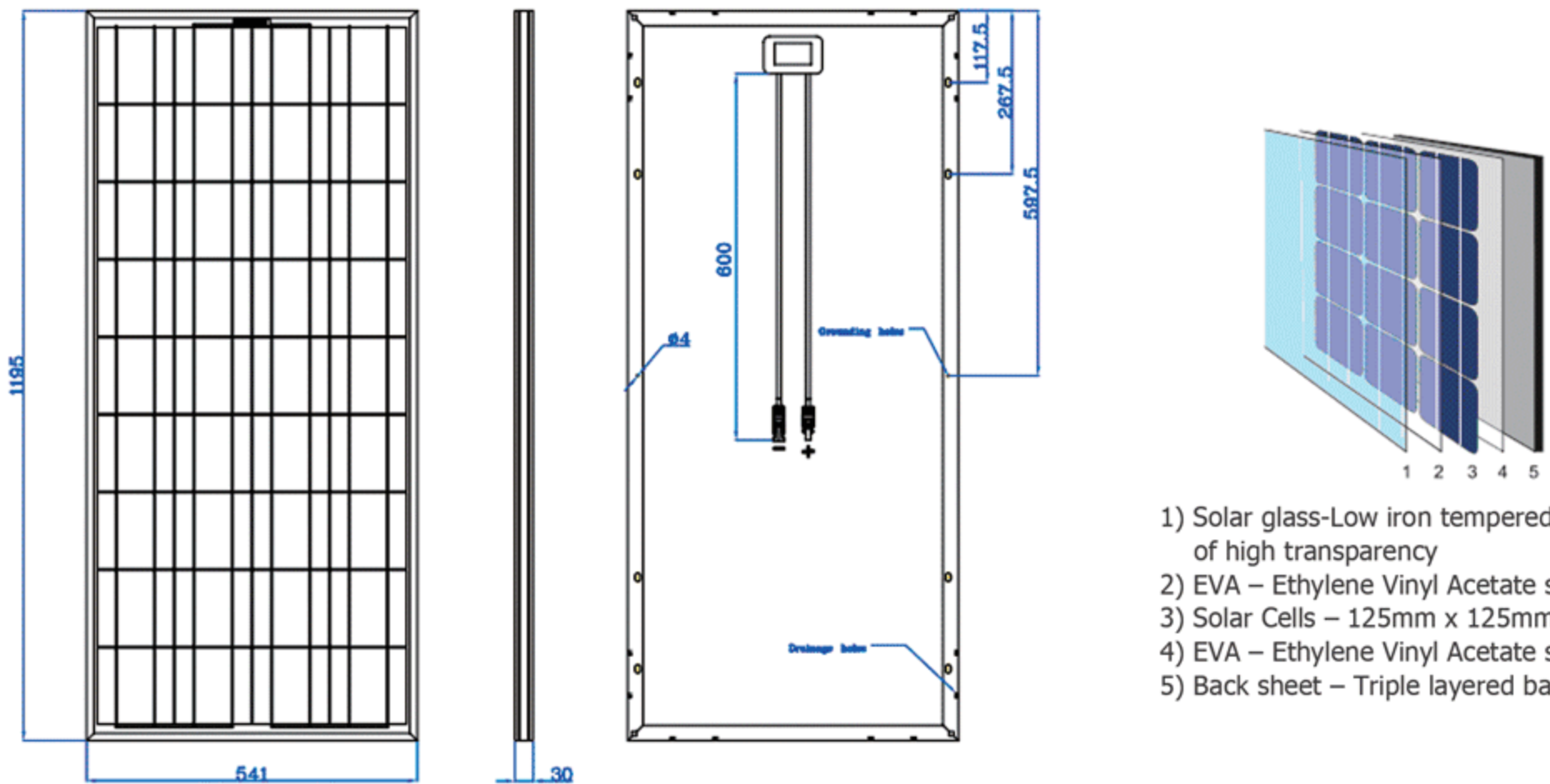
#### Manufactory-China

Helios Photovoltaic Co., Ltd.  
 Unit 3-A, 86 West Wujin Avenue, Wujin Hi-tech Industrial Zone 213164, Changzhou, Jiangsu Province, China  
 Tel: +86 519 8648 8901/2/3 Fax: +86 519 8648 2889  
 URL: www.helios-pv.com

## EL-36/5P Series Technical Specifications

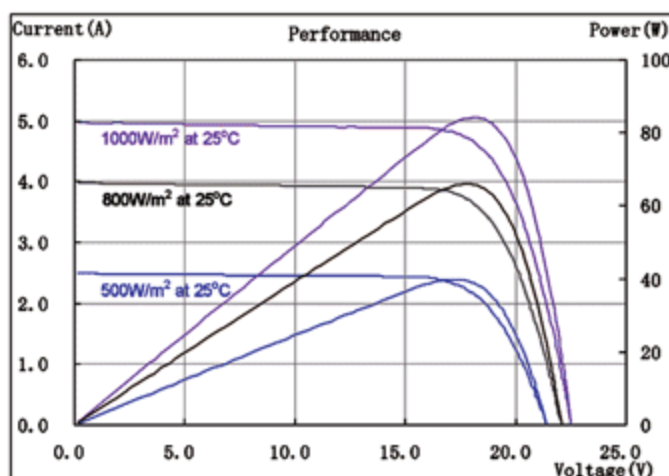
ELECTRICAL CHARACTERISTICS			
Model	EL-36/5P75	EL-36/5P80	EL-36/5P85
Maximum power (Pmax)	75W	80W	85W
Voltage at max. power (Vmp)	17.6V	17.9V	18.3V
Current at max. power (Imp)	4.30A	4.45A	4.60A
Open circuit voltage (Voc)	20.9V	21.6V	22.6V
Short circuit current (Isc)	4.90A	4.97A	5.01A
Temperature coefficient of Isc	(0.065 ± 0.015)%/°C		
Temperature coefficient of Voc	-(80 ± 10)mV/°C		
Temperature coefficient of power	-(0.45 ± 0.05)%/°C		
Operating temperature	-40/+85°C		
MECHANICAL CHARACTERISTICS			
Cell type	125 x 125 Polycrystalline solar cell		
Cell array	36 pieces in a 9 x 4 matrix connected in series		
Dimensions (mm)	1195 x 541 X 30		
Weight (kg)	11		
Frame	Clear anodized aluminum alloy type universal frame; silver color		
Construction	Front: High-transmission 3.2mm tempered glass Back: Polyester Encapsulant: EVA		

### Module Diagram

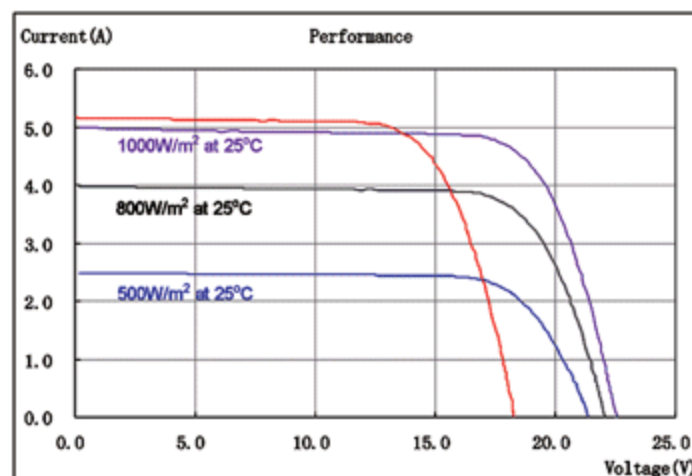


- 1) Solar glass-Low iron tempered glass of high transparency
- 2) EVA – Ethylene Vinyl Acetate sheet
- 3) Solar Cells – 125mm x 125mm
- 4) EVA – Ethylene Vinyl Acetate sheet
- 5) Back sheet – Triple layered back sheet

### Electrical Performance



### Power Output



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

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