



Poly-crystalline Solar Module

- ED45-6P
- ED50-6P
- ED55-6P

Warranty

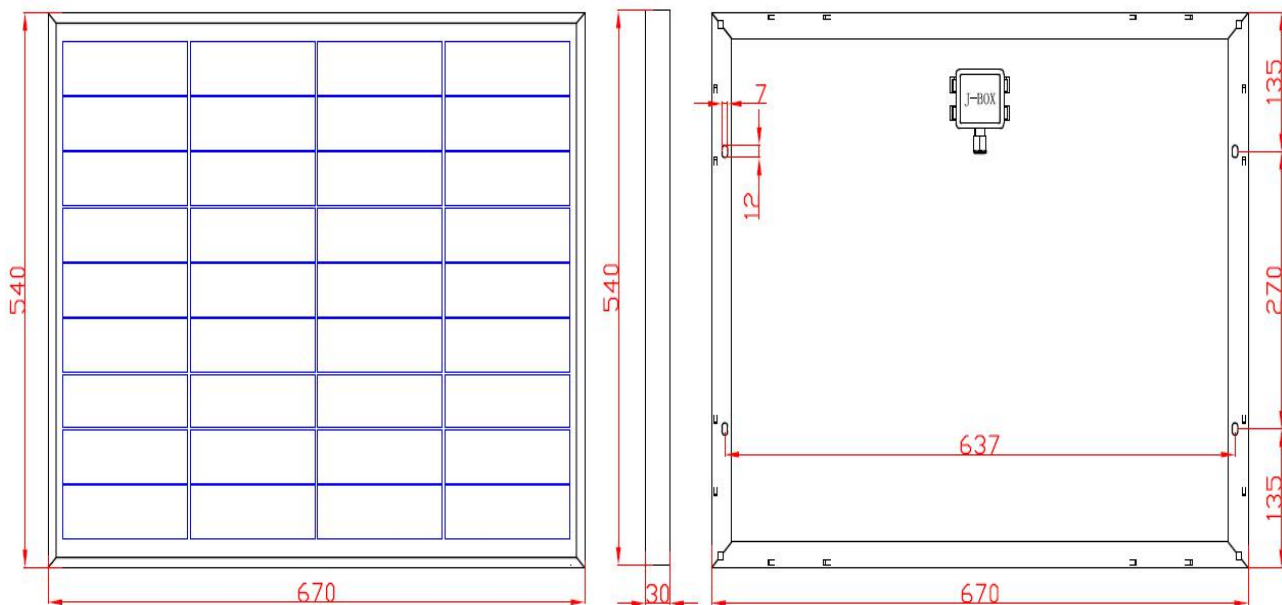
- 10-year repair and workmanship warranty
- 12-year warranty at 90% power output
- 25-year warranty at 80% power output



Typical Electrical Characteristics

Models	ED45-6P	ED50-6P	ED55-6P
Max. Power (Pmax)	45Wp	50Wp	55Wp
Optimum Operating Voltage (Vm)	17.2V	17.8V	18.1V
Optimum Operating Current (Im)	2.62A	2.81A	3.04A
Open-circuit Voltage (Voc)	21.4V	22.4V	22.6V
Short-circuit Current (Isc)	2.77A	2.97A	3.22A
Module efficiency	12.4%	13.8%	15.2%

Note: the specifications are obtained under the Standard Test Condition (STC): 1,000W/m², Am 1.5, Cell Temperature 25°C



Solar cell	Poly
Power Tolerance (Pmax)	0 ~ +3%
Numbers of cells	36pcs of cells in series
Module Dimension	540×670×30mm
Weight	4.5Kg
Max. System Voltage	1000V DC
Max. Series Fuse Rating	—
Temperature cycling range	-40℃ ~ +85℃
NOTC	47℃
Temperature coefficients of Isc	(+0.06%/℃)
Temperature coefficients of Voc	(-0.35%/℃)
Temperature coefficients of Pmax	(-0.4%/℃)
Load Capacity	1000pcs/ 20'GP
	2140pcs/ 40'GP

Certification



The Structure of Solar Modules

Cells

The hi-efficiency of mono and poly solar cells ensure adequate power for panels.

Glass

Low-iron tempered glass, 3.2mm thickness with higher reflectivity.

EVA

Higher transmission rate, antioxidant capacity and temperature resistance, no expansion or contraction.

Back film

Increase efficiency of modules slightly and reduce module's temperature. Aging resistance, corrosion resistance and airtight.

Aluminum Frame

Using the framework of the anodized aluminum frame with high intensity, mechanical shock resistance capacity.

