



Over 30 years manufacturing experience, the complete PV chain including silicon materials, wafer, solar glass, solar cell, solar module and solar project, and ISO9001 & ISO14001 certified factory, ensure excellent raw materials and production control.



Solar modules certified by TUV Rheinland (IEC61215 & IEC61730) in the extreme conditions (Temperature, load, impact) with good performance.



The good weak light performance (morning, evening and cloudy days) has been tested and approved by professional third-party.



Guarantee from 0 to +6W as power tolerance, customer can obtain 5.8% power more than conventional output.

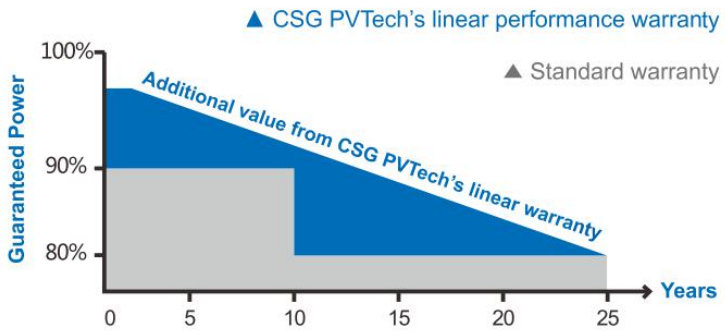


100% EL test before and after lamination, and finished products EL test, providing higher quality assurance.



High Efficiency

Poly-Crystalline Solar Module



Warranty: For a period of 25 years commencing on the warranty start date, loss of power output of the nominal power output measured at STC for the products shall not exceed:

1. For polycrystalline products: 2.5% in first year, therefore 0.7% per year, ending with 80.7% in the 25<sup>th</sup> year.
2. For monocrystalline products: 3% in first year, therefore 0.708% per year, ending with 80% in the 25<sup>th</sup> year.

## Typical Electrical Characteristics

Solar Cell:	Poly Crystalline 156.75×156.75mm 54 Cell (6×9) — 5BB Solar Cell					
Max Power	230	235	240	245	250	255
Power Tolerance	0 to +6W					
Voltage at Pmax (Vmp)	27.9	28.1	28.3	28.5	28.7	28.9
Current at Pmax (Imp)	8.24	8.36	8.48	8.6	8.71	8.83
Open-circuit Current(Voc)	34	34.3	34.5	34.8	35.1	35.3
Short-circuit Current (Isc)	8.92	9.05	9.18	9.31	9.43	9.56
Max System Voltage(VDC)	1000V(IEC), 600V(UL)					
Module Efficiency (%)	15.6	16	16.3	16.7	17	17.3
No. Of Bypass Diodes (pcs)	3					
Max Series Fuse (A)	15A					
Temperature Coefficient at Pmax	-0.43%/°C					
Temperature Coefficient at Voc	-0.32%/°C					
Temperature Coefficient at Isc	0.04%/°C					
NOCT	45±2 °C					

STC Conditions (1000W/m<sup>2</sup>; 1.5AM and 25°C Cell Temperature)

Cable Type, diameter, Length	Φ=4mm <sup>2</sup> , L=900±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1482*992*35mm
Weight	17kg
No. Of Draining Holes in Frame	16
Construction	Glass: High Transmission, Low Iron, Tempered Glass 3.2mm Encapsulation: EVA Backsheet: Fluorinated, white
Junction box	IP68 Rated
Frame	Clear anodized aluminum alloy Type 6063T5 frame

## Mechanical Characteristics

Dielectric Insulation Voltage	6000VDC max
Operating Temperature	-40°C ~ +85°C
Max Load	5400Pa
Hailstone Impact	25mm (1inch) at 23m/s (52mph)
Fire Rating	Class C

## Packing

Packing Configuration	30pcs/ carton, 2pcs/carton
Loading Capacity	896pcs/40HQ      288pcs/20GP