



Top 10 of Most Competitive Chinese Public Listed Companies.
Top 10 of World's Biggest Glass Makers by PLIMSOLL.
CCTV Finance & Economics 50 Indexes Listed Company.
Top 500 of Asian Brand Assessment System.



We are a full member of PV Cycle Association. This association has established a voluntary take-back and recycling program for end-of-life solar modules in 25 years.



28 years manufacturing experience. A complete solar PV industrial chain, covering poly-silicon, ingot, wafer, solar glass, solar cell and solar module. Manufacturing with standard ISO 9001:2008&ISO 14001:2004 to ensure CSG's solar modules with excellent raw materials and exquisite process.



Utilizing green power of Three Gorges Dam in Yangzi river instead of coal, with the first closed-loop polysilicon plant, CSG devotes to making green energy by green energy.



Modules certified by TUV and ETL testing organization in the extreme conditions (temperature, load & impact) with good performance.



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



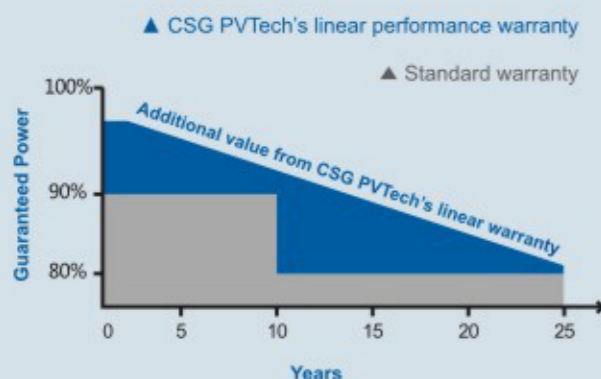
Guarantee from 0 to +6W as power tolerance, customers can obtain 5.8% power more than conventional output.



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



High Efficiency
Monocrystalline Solar Module

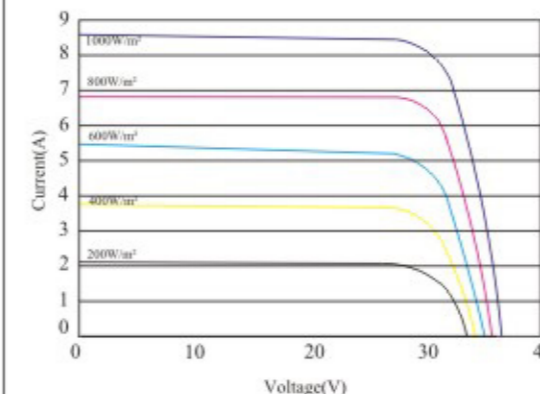


For a period of twenty-five (25) years commencing on the Warranty Start Date, loss of power output of the nominal power output measured at Standard Test Conditions (STC) for the Product(s) shall not exceed:

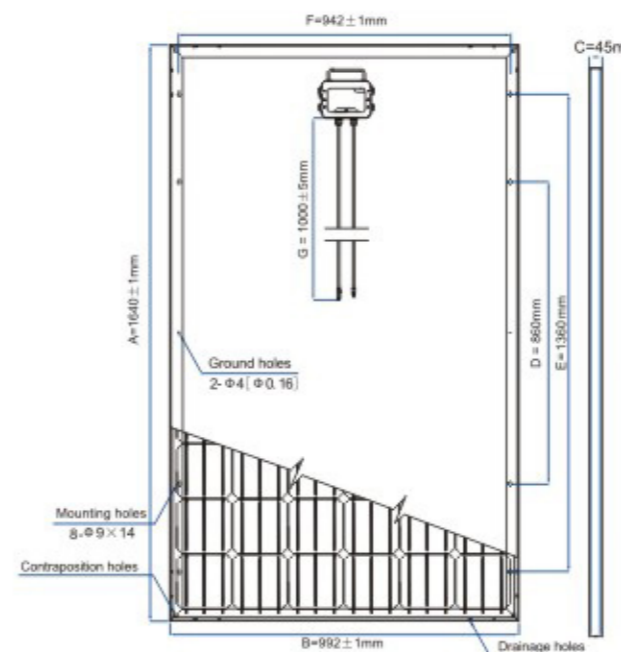
1. For Polycrystalline Products: 2% in the first year, thereafter 0.67% per year, ending with 82% in the 25th year after the Warranty Start Date.
2. For Monocrystalline Products: 3% in the first year, thereafter 0.67% per year, ending with 81% in the 25th year after the Warranty Start Date.

I-V Curves

I-V Curves of PV module CSG 245W at different light power



Dimensions



Typical Electrical Characteristics

Solar cells:	Mono-Crystalline 156X156mm 60 pcs. (6×10) —3 bus bars			
Max-power	245Wp	250Wp	255Wp	260Wp
Power Tolerance	0 to +6W			
Voltage at Pmax (Vmp)	30.4V	30.6V	30.8V	31.0V
Current at Pmax (Imp)	8.06A	8.17A	8.28A	8.39A
Open-Circuit Voltage (Voc)	37.0V	37.4V	37.6V	37.8V
Short-Circuit Current (Isc)	8.73A	8.84A	8.96A	9.08A
Max-System Voltage (VDC)	1000V(IEC), 600V(UL)			
Cell Efficiency	17.4%	17.8%	18.0%	18.3%
Module Efficiency	15.1%	15.4%	15.7%	16.0%
No. of Bypass Diodes (pcs.)	3			
Max. Series Fuse (A)	12A			
Temperature Coefficient of Pmax	-0.45%/°C			
Temperature Coefficient of Voc	-0.34%/°C			
Temperature Coefficient of Isc	0.05%/°C			
Nominal Operating Cell Temperature	46±2 °C			

*STC Conditions (1000W/m²; 1.5 AM and 25°C Cell temperature)

Mechanical Characteristics

Cable type, Diameter and Length	Φ=4mm ² , L=1000±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1640×992×45mm (64.57×39.06×1.77inch)
Weight	19.6kg (43.11lb)
No. of Draining Holes In Frame	16
Construction	Glass: High Transmission, Low Iron, Tempered Glass 3.2mm Encapsulation: EVA Back side: White
Junction Box	IP 67 Rated
Frame	Clear anodized aluminum alloy type 6063T5 frame

Qualification Test Parameters

Dielectric Insulation Voltage	6000VDC max
Operating Temperature	-40°C to +85°C
Max load	5400 Pa
Hailstone impact	25mm (1inch) at 23m/s (52mph)

Packaging Configuration

Packaging Configuration	22pcs./box	2pcs./box
Quantity Pallet	1box/pallet	18boxes/pallet 20boxes/pallet
Loading Capacity	616pcs./40'HQ	216pcs./20'GP 560pcs./40'HQ