



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.



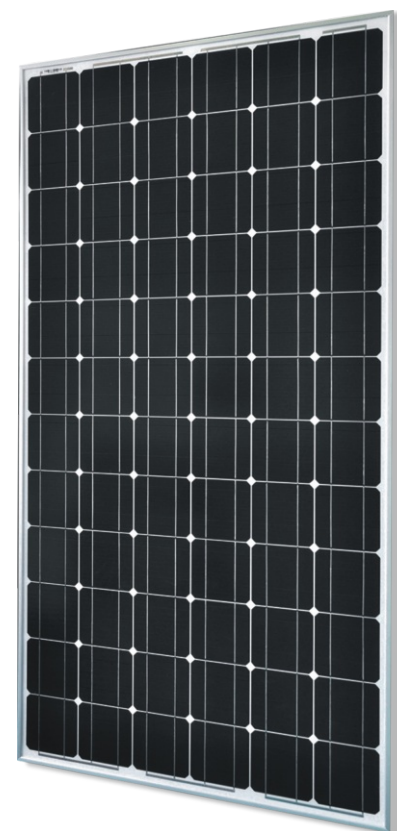
Guarantee from 0 to +6W as power tolerance, customers can obtain 5.8% power more than conventional output.



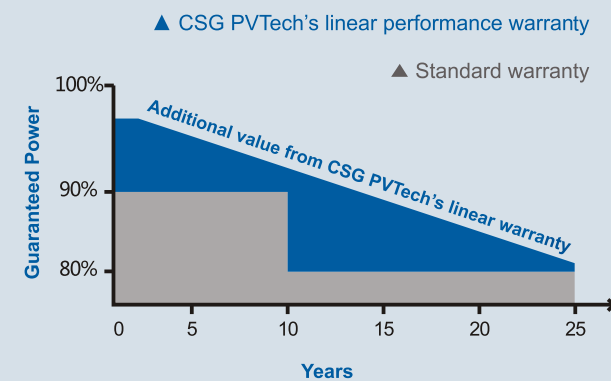
100% EL test before and after lamination, providing higher quality assurance.



Pass the Salt-mist Corrosion Test, Ammonia Resistance Test, Potential Induced Degradation(PID) Test and Carbon Footprint assessment in TUV.



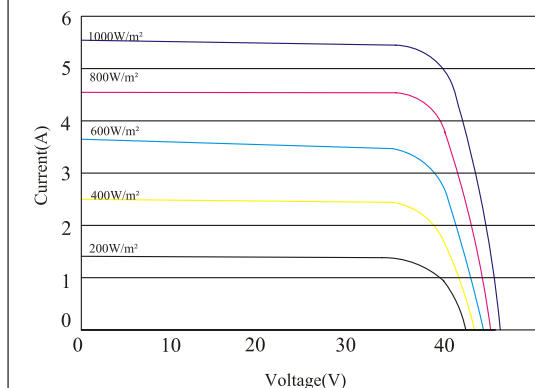
High Efficiency  
Monocrystalline Solar Module



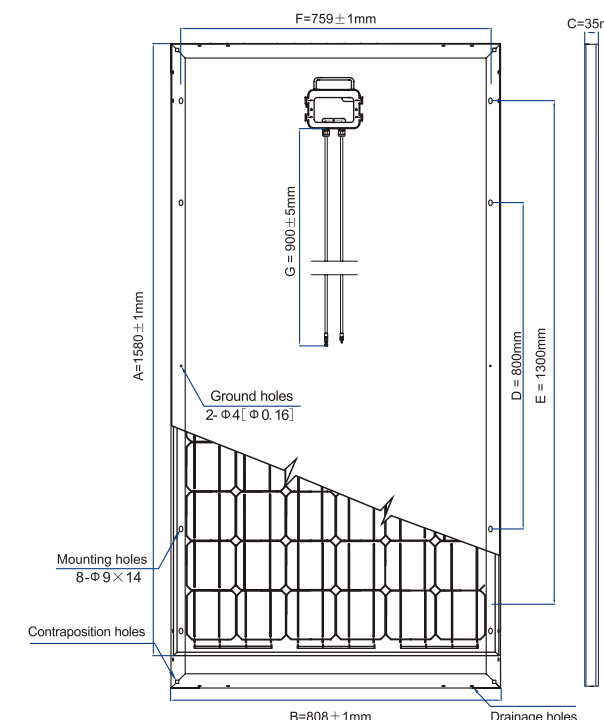
- For a period of twenty-five (25) years commencing on the Warranty Start Date, loss of power output of the nominal power output measured at Standard Test Conditions (STC) for the Product(s) shall not exceed:
1. For Polycrystalline Products: 2% in the first year, thereafter 0.67% per year, ending with 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 CSG200W at different light power



## Dimensions



► Caution: Read Safety And Installation Instructions Before Using This Product

## Typical Electrical Characteristics

Solar cells:	Mono-Crystalline 125X125mm 72pcs. (6×12) —2 bus bars			
Max-power	195Wp	200Wp	205Wp	210Wp
Power Tolerance 0 to +6W				
Voltage at Pmax (Vmp)	37.0V	37.2V	37.4V	37.6V
Current at Pmax (Imp)	5.27A	5.38A	5.48A	5.59A
Open-Circuit Voltage (Voc)	45.0V	45.4V	45.6V	45.9V
Short-Circuit Current (Isc)	5.70A	5.82A	5.93A	6.04A
Max-System Voltage (VDC)	1000V(IEC), 600V(UL)			
Cell Efficiency	17.7%	18.1%	18.6%	19.1%
Module Efficiency	15.3%	15.7%	16.1%	16.4%
No. of Bypass Diodes (pcs.)	3			
Max. Series Fuse (A)	10A			
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	45±2°C			

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

## Mechanical Characteristics

Cable type, Cross-sectional area and Length	Φ=4mm², L=900±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1580×808×35mm ( 62.20×31.81×1.38inch)
Weight	15kg (33.00lb)
No. of Draining Holes In Frame	16
Construction	Glass: High Transmission, Low Iron, Tempered Glass 3.2mm Encapsulation: EVA Back side: White
Junction Box (protection degree)	IP 67
Frame	Clear anodized aluminum alloy type 6063T5 frame/ frameless

## 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	27pcs./box
Quantity Pallet	1box/pallet
Loading Capacity	756pcs./ 40'GP 324pcs./20'GP

Address: Machong Town, Dongguan City, Guangdong, China  
Tel: +86-769-88288015 Fax: +86-769-88288016  
www.csgrpvtch.com E-mail: sales@csgrpvtch.com