



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.

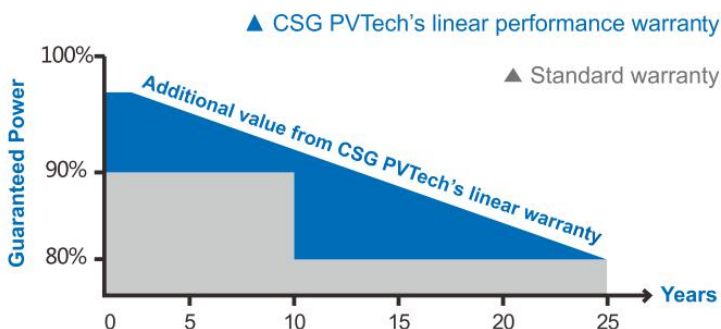


100% EL test before and after lamination, and finished products EL test, providing higher quality assurance.



High Efficiency PERC

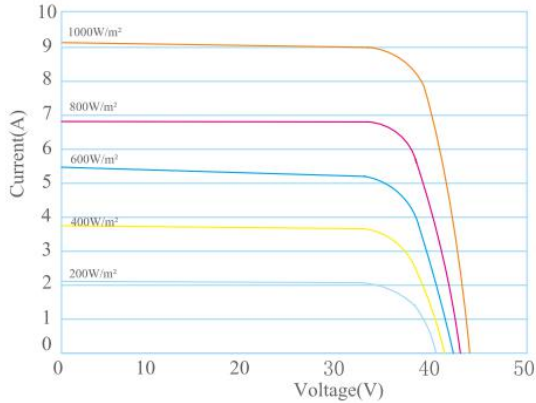
Mono-Crystalline Solar Module



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 25th year.
2. For monocrystalline products: 3% in first year, therefore 0.708% per year, ending with 80% in the 25th year.

I-V Curves



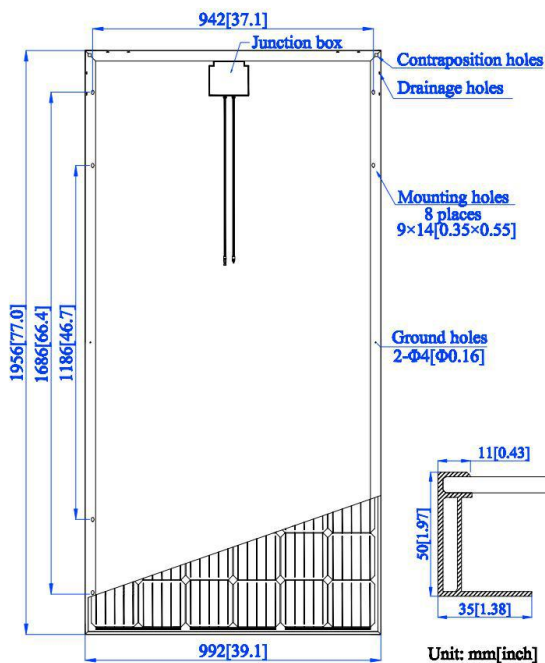
I-V Curves of PV module CSG330W at different light power

Typical Electrical Characteristics

Solar Cell:	Mono Crystalline 156.75×156.75mm 72 Cell (6×12) — 5BB PERC Solar Cell					
Max Power	350	355	360	365	370	375
Power Tolerance	0 to +6W					
Voltage at Pmax (Vmp)	38.8	39.0	39.2	39.4	39.7	40.0
Current at Pmax (Imp)	9.02	9.10	9.19	9.26	9.32	9.38
Open-circuit Current (Voc)	47.1	47.4	47.7	48.0	48.2	48.4
Short-circuit Current (Isc)	9.75	9.82	9.89	9.97	10.07	10.17
Max System Voltage (VDC)	1000V(IEC), 600V(UL)					
Module Efficiency (%)	18	18.3	18.6	18.8	19.1	19.3
No. Of Bypass Diodes (pcs)	3					
Max Series Fuse (A)	15A					
Temperature Coefficient at Pmax	-0.39%/°C					
Temperature Coefficient at Voc	-0.29%/°C					
Temperature Coefficient at Isc	0.04%/°C					
NOCT	45±2 °C					

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

Drawing



Mechanical Characteristics

Cable Type, diameter, Length	Φ=4mm ² , L=1000±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1956×992×40 mm
Weight	20.8kg
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

Qualification Test Parameters

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	26pcs/ carton, 2pcs/carton
Loading Capacity	616pcs/40HQ 220pcs/20GP