

CSGyyyM2 (yyy=190W-215W)



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.



30 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, and finished products EL test, providing higher quality assurance.



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



High Efficiency Polycrystalline Solar Module







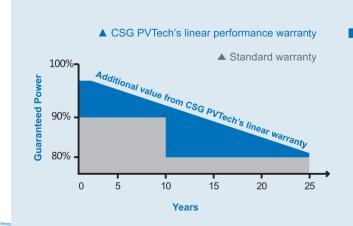












- For a period of twenty-five (25)years commencing on the Warranty Start Date, loss of power output of the nominal power output measured at Standard Test Conditions (STC) for the Product(s) shall not exceed:
- 1. For Polycrystalline Products: 2% in the first year, thereafter 0.67% per year, ending with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

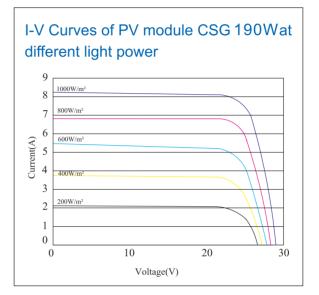
The Warranty Start Date shall be defined as the date of the Bill of Lading date.

Version 8.0 2013



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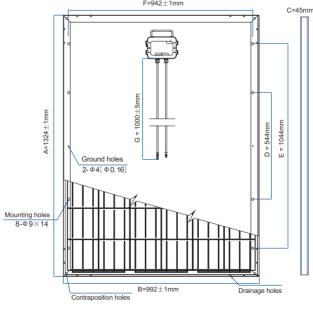
I-V Curves



Typical Electrical Characteristics							
Solar cells:	Poly-Crystalline 156X156mm 48pcs.(6×8) —3 bus bars						
Max-power	190Wp	195Wp	200Wp	205Wp	210Wp	215Wp	
Power Tolerance	0 to +6W						
Voltage at Pmax (Vmp)	24.3V	24.5V	24.7V	24.9V	25.1V	25.3V	
Current at Pmax (Imp)	7.83A	7.95A	8.10A	8.23A	8.37A	8.50A	
Open-Circuit Voltage (Voc)	29.7V	30.1V	30.2V	30.4V	30.6V	30.9V	
Short-Circuit Current (Isc)	8.38A	8.49A	8.76A	8.91A	9.05A	9.20A	
Max-System Voltage (VDC)	1000V(IEC), 600V(UL)						
Cell Efficiency	16.4%	16.9%	17.3%	17.7%	18.2%	18.6%	
Module Efficiency	14.5%	14.8%	15.2%	15.6%	16.0%	16.4%	
No. of Bypass Diodes (pcs.)	3						
Max. Series Fuse (A)	12A						
Temperature Coefficient of Pmax	-0.45%/°C -0.34%/°C						
Temperature Coefficient of Voc							
Temperature Coefficient of Isc	ure 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)

Dimensions



	Mechanical Characteristics				
	Cable type, Cross-sectional area and Length	Φ=4mm ² , L=1000±5mm			
	Type of Connector	Compatible type MC4			
	Dimension A×B×C	1324×992×45mm (52.13×39.06×1.77 inch)			
m	Weight	16.0kg (35.2lb)			
	No. of Draining Holes In Frame	16			
	Construction	Glass: High Transmission, Low Iron, Tempere Glass 3.2mm Encapsulation: EVA Back side: White			
	Junction Box (protection degree)	IP 67			
	Frame	Clear anodized aluminum alloy type 6063T5 frame			

Qualification Test Parameters					
Dielectric Insulation Voltage	6000V DC max				
Operating Temperature	-40°C to +85°C 5400Pa 25mm (1inch) at 23m/s (52mph)				
Max load					
Hailstone impact					
Tire safety class	Class C				

Packaging Configuration				
Packaging Configuration	22pcs./box and 2pcs./box			
Quantity of Big Box/Pallet	1box/pallet	1 boxes/pallet		
Quantity of Small Box/Pallet	1	9 boxes/pallet		
Loading Capacity	704pcs./40'HQ	320pcs./20'GP		

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

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