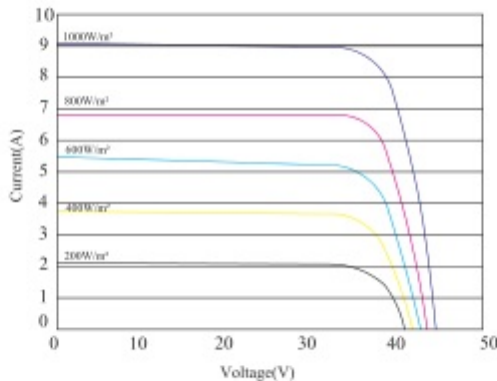


I-V Curves

I-V Curves of PV module CSG 315Watt different light power

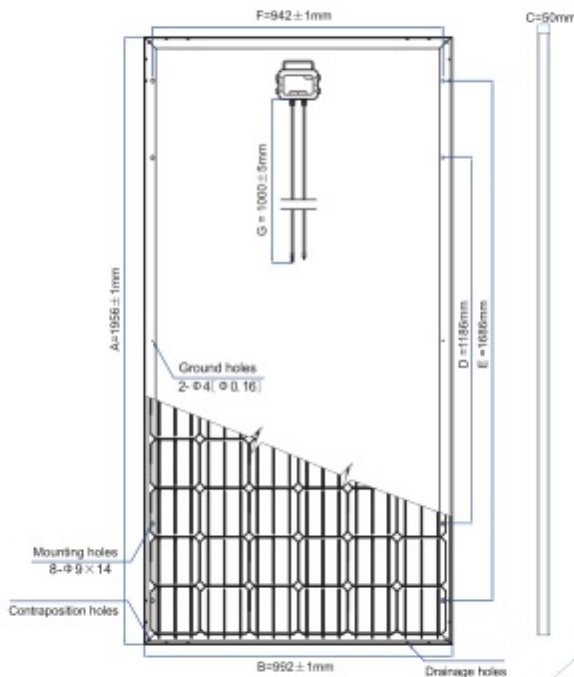


Typical Electrical Characteristics

Solar cells:	Mono-Crystalline 156X156mm 72pcs. (6×12) —3 bus bars					
Max-power	310Wp	315Wp	320Wp	325Wp	330Wp	335Wp
Power Tolerance	0 to +6W					
Voltage at Pmax (Vmp)	37.2V	37.4V	37.6V	37.8V	38.0V	38.2V
Current at Pmax (Imp)	8.33A	8.42A	8.51A	8.60A	8.68A	8.77A
Open-Circuit Voltage (Voc)	45.4V	45.5V	45.8V	46.1V	46.3V	46.6V
Short-Circuit Current (Isc)	9.02A	9.12A	9.21A	9.31A	9.40A	9.49A
Max-System Voltage (VDC)	1000V(IEC), 600V(UL)					
Cell Efficiency	18.4%	18.6%	18.9%	19.2%	19.4%	19.7%
Module Efficiency	15.9%	16.2%	16.5%	16.7%	17.0%	17.3%
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	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	1956×992×50mm (77.01×39.06×1.97 inch)
Weight	23.2kg (51.0lb)
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

Qualification Test Parameters

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

Packaging Configuration

Packaging Configuration	20pcs./box and 2pcs./box	
Quantity of Big Box/Pallet	1box/pallet	1 boxes/pallet
Quantity of Small Box/Pallet	/	9 boxes/pallet
Loading Capacity	440pcs./40'HQ	190pcs./20'GP

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