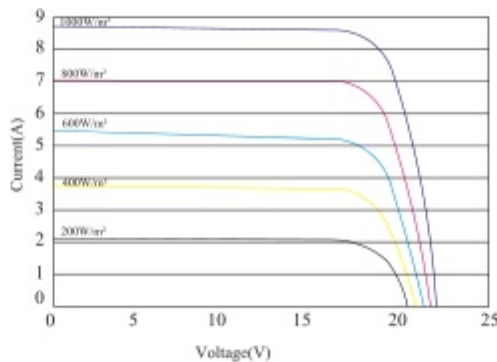


## I-V Curves

I-V Curves of PV module CSG 150W at different light power

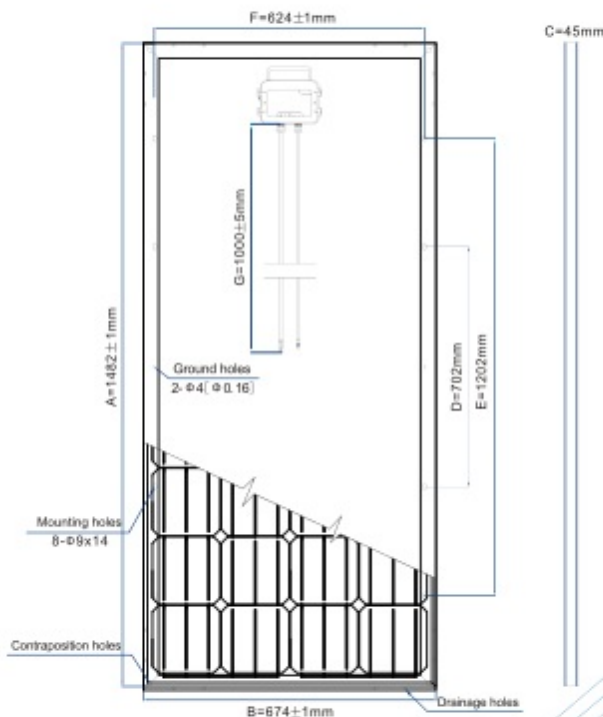


## Typical Electrical Characteristics

Solar cells:	Mono-Crystalline 156X156mm 36pcs (4x9)—3 bus bars		
Max-power	145Wp	150Wp	155Wp
Power Tolerance	0 to +6W		
Voltage at Pmax (Vmp)	18.3V	18.4V	18.5V
Current at Pmax (Imp)	7.92A	8.15A	8.38A
Open-Circuit Voltage (Voc)	22.3V	22.4V	22.56V
Short-Circuit Current (Isc)	8.57A	8.82A	9.07A
Max-System Voltage (VDC)	1000V(IEC), 600V(UL)		
Cell Efficiency	17.0%	17.6%	18.2%
Module Efficiency	14.5%	15.0%	15.5%
No. of Bypass Diodes (pcs.)	2		
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/m<sup>2</sup>; 1.5 AM and 25°C Cell temperature)

## Dimensions



## Mechanical Characteristics

Cable type, Cross-sectional area and Length	Φ=4mm <sup>2</sup> , L=1000±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1482×674×45mm ( 58.35×26.54×1.77 inch )
Weight	13.0Kg(28.6lb)
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	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 and 2pcs./box	
Quantity of Big Box/Pallet	1 box/pallet	1 boxes/pallet
Quantity of Small Box/Pallet	/	12 boxes/pallet
Loading Capacity	616pcs./40'HQ	322pcs./20'GP

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