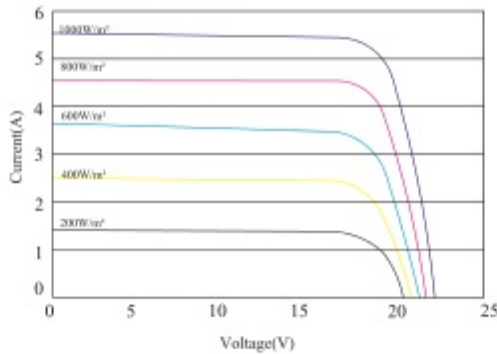


I-V Curves

I-V Curves of PV module CSG 90W at different light power

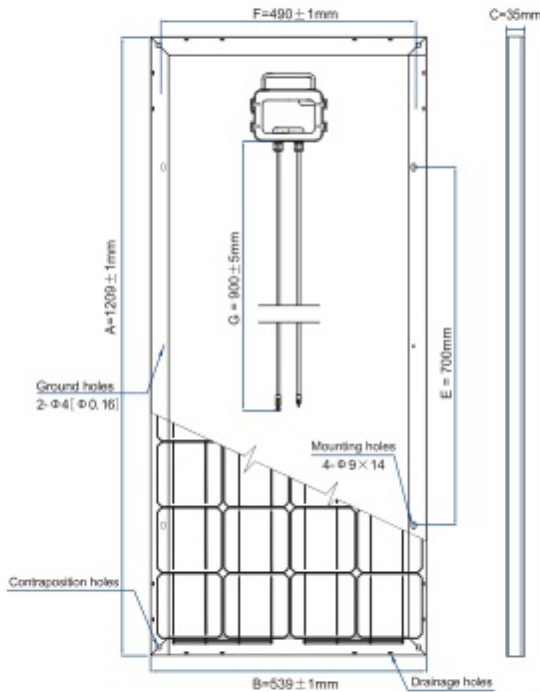


Typical Electrical Characteristics

Solar cells:	Mono-Crystalline 125X125mm 36pcs. (4×9) —2 bus bars	
Max-power	90Wp	95Wp
Power Tolerance	0 to +6W	
Voltage at Pmax (Vmp)	18.2V	18.4V
Current at Pmax (Imp)	4.93A	5.16A
Open-Circuit Voltage (Voc)	22.1A	22.4A
Short-Circuit Current (Isc)	5.35A	5.58A
Max-System Voltage (VDC)	1000V(IEC), 600V(UL)	
Cell Efficiency	16.3%	17.2%
Module Efficiency	13.8%	14.9%
No. of Bypass Diodes (pcs.)	2	
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)

Dimensions



Mechanical Characteristics

Cable type, Cross-sectional area and Length	Φ=4mm ² , L=900±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1209×539×35mm (47.60×21.22×1.38 inch)
Weight	9.2 kg (20.24lb)
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	5400Pa
Hailstone impact	25mm (1inch) at 23m/s (52mph)

Packaging Configuration

Packaging Configuration	27pcs./box	
Quantity Pallet	1box/pallet	
Loading Capacity	972pcs./ 40'GP	432pcs./20'GP

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