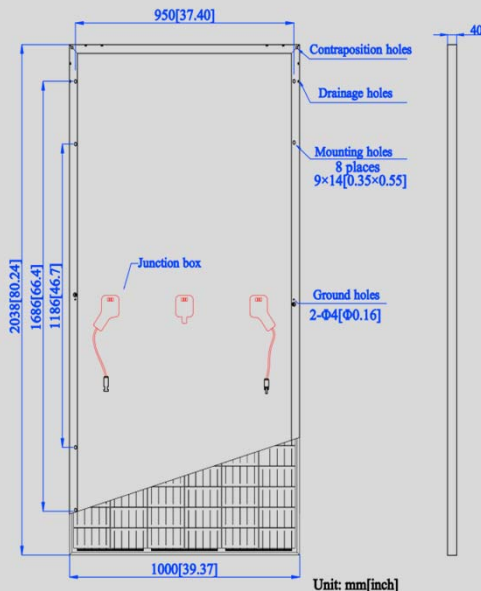


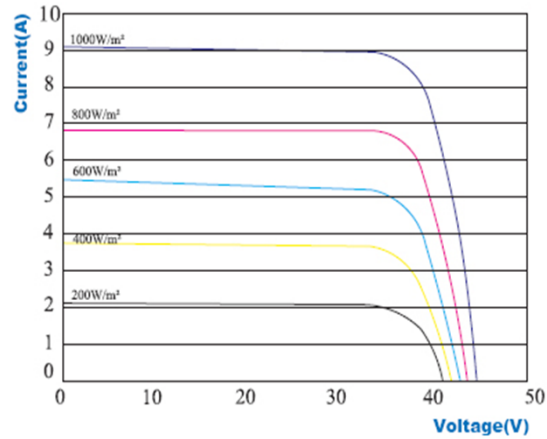
CSGXXXS2HC-144 (XXX=390W-405W)



High Efficiency PERC Half Cell
Mono-Crystalline Solar Module



I-V Curves



I-V Curves of PV module CSG395W at different light power

Typical Electrical Characteristics

Solar Cell	Mono Crystalline 158.75×79.38mm 144 Cell (6×24) — 5BB PERC			
Max Power	390	395	400	405
Power Tolerance	0 to +3%			
Voltage at Pmax (Vmp)	40.8	41	41.2	41.4
Current at Pmax (Imp)	9.56	9.64	9.71	9.79
Open-circuit Current (Voc)	48.6	48.8	49	49.2
Short-circuit Current (Isc)	10.06	10.13	10.21	10.29
Max System Voltage (VDC)	1000V(IEC), 600V(UL)			
Cell Efficiency (%)	21.3	21.6	21.8	22.1
Module Efficiency (%)	19.1	19.4	19.6	19.9
No. Of Bypass Diodes (pcs)	3			
Max Series Fuse (A)	15A			
Temperature Coefficient at Pmax	-0.36%/°C			
Temperature Coefficient at Voc	-0.28%/°C			
Temperature Coefficient at Isc	0.04%/°C			
NOCT	45±2 °C			

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

Mechanical Characteristics

Cable Type, diameter, Length	Φ=4mm ² , L=300±5mm customized allowed
Type of Connector	Compatible type MC4
Dimension A×B×C	2038×1000×40 mm
Weight	21.8kg
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 Configuration

Packing Configuration	27pcs/ carton, 2pcs/carton
Loading Capacity	638pcs/40HQ, 253pcs/20GP