

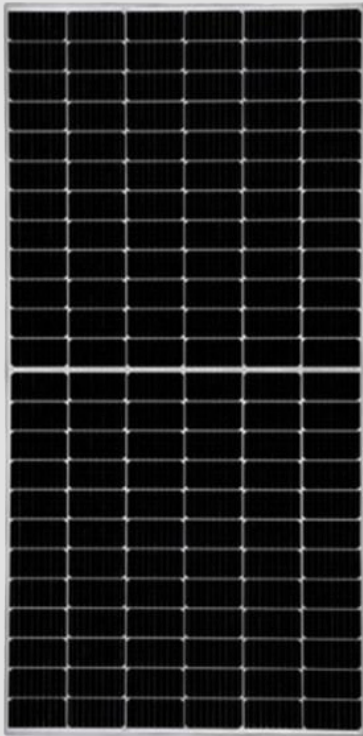


Half-cut Cell
Mono PERC Solar Module
325W-405W

Guangdong Prostar New Energy Technology Co., Ltd.

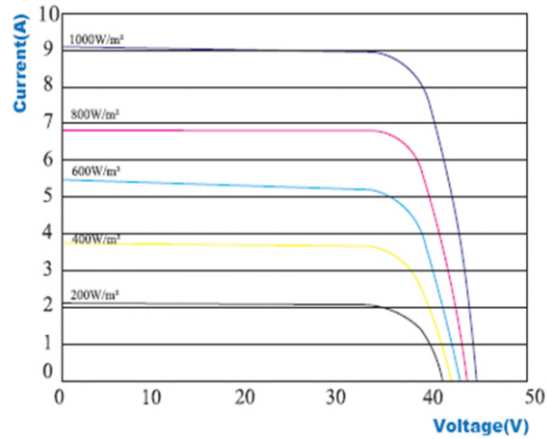
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PMSXXM-144(XXX=390W-405W)



High Efficiency PERC Half Cell Mono-Crystalline Solar Module

I-V Curves



I-V Curves of PV module 395W 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	41.0	41.2	41.4
Current at Pmax (Imp)	9.56	9.64	9.71	9.79
Open-circuit Voltage(Voc)	48.6	48.8	49.0	49.2
Short-circuit Current (Isc)	10.06	10.13	10.21	10.29
Max System Voltage(VDC)	1000V(IEC), 600V(UL)			
Cell Efficiency (%)	21.7	22.0	22.3	22.6
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

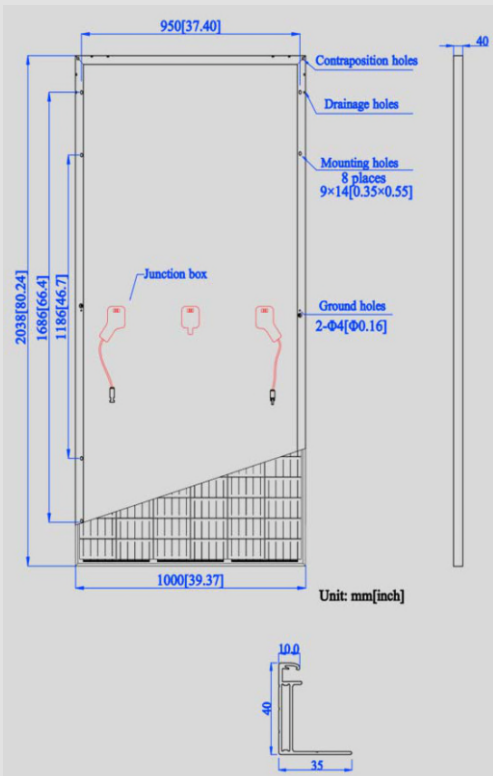
Cable Type, diameter, Length	Φ=4mm ² , L=300±5mm customized allowed
Type of Connector	Compatible type MC4
Dimension	2038×1000×40 mm
Weight	21.8kg
No. Of Draining Holes in Frame	16
Construction	Glass: High Transmission, Low Iron, Tempered Glass 3.2mm Encapsulation: EVA Backsheet: white
Junction box	IP68 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

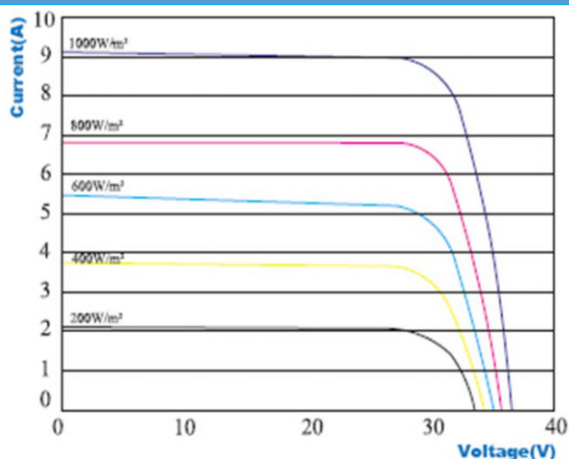


PMSXXM-120(XXX=325W-340W)



High Efficiency PERC Half Cell Mono-Crystalline Solar Module

I-V Curves



I-V Curves of PV module 330W at different light power

Typical Electrical Characteristics

Solar Cell	Mono Crystalline 158.75×79.38mm 120 Cell (6×20) — 5BB PERC			
Max Power	325	330	335	340
Power Tolerance	0 to +3%			
Voltage at Pmax (Vmp)	34.0	34.2	34.4	34.6
Current at Pmax (Imp)	9.56	9.65	9.74	9.83
Open-circuit Voltage(Voc)	40.6	40.8	41.0	41.2
Short-circuit Current (Isc)	10.11	10.20	10.29	10.38
Max System Voltage(VDC)	1000V(IEC), 600V(UL)			
Cell Efficiency (%)	21.7	22.0	22.3	22.6
Module Efficiency (%)	19.0	19.3	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

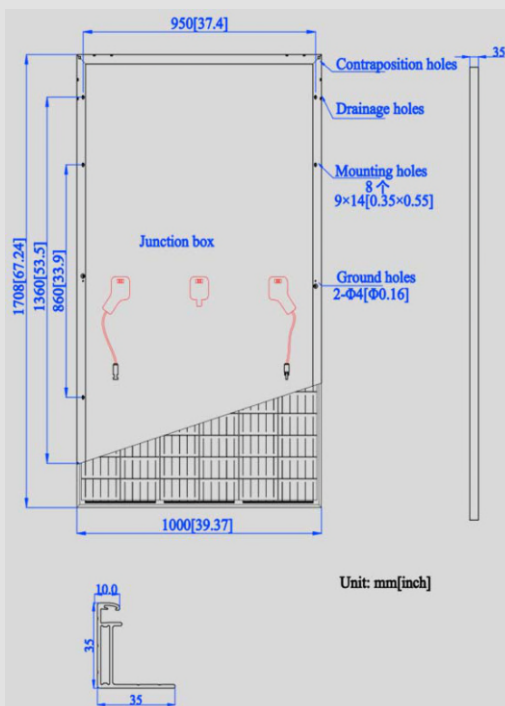
Cable Type, diameter, Length	Φ=4mm ² , L=300±5mm customized allowed
Type of Connector	Compatible type MC4
Dimension	1708×1000×35mm
Weight	18.8kg
No. Of Draining Holes in Frame	16
Construction	Glass: High Transmission, Low Iron, Tempered Glass 3.2mm Encapsulation: EVA Backsheet: white
Junction box	IP68 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	31pcs/ carton, 2pcs/carton
Loading Capacity	858pcs/40HQ, 330pcs/20GP





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