

182 Series

390-405W

All Black MBB Mono Half-cell Module

POWER OUTPUT RANGE

390-405W



MAXIMUM MODULE EFFICIENCY

20.8%




POWER WARRANTY

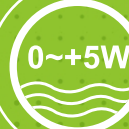
30 years




Characteristic




Higher Power Output
Multi-busbar technology
1500V system voltage, reduce the BOS cost




0~+5W **Guaranteed Output Power**
Module power positive tolerance



Half-cell and Lower Power Loss Design
Half-cell design, with lower resistance, improve the module efficiency



Best Solution to Harsh Conditions
Pass the mechanical load test, front 5400Pa and back 2400Pa



Excellent PID Resistance
Excellent Anti-PID Performance, guarantee less power degradation



High Reliability Based On Strict Quantity Control
Over 100 internal tests including ultraviolet irradiation, heat-recycling, damp heat(DH) test, humidity-freeze(HF) test and etc.



Electrical Data @STC

Peak power-Pmax(Wp)	390	395	400	405
Power tolerance(W)	±3%			
Open circuit voltage - Voc(V)	36.3	36.5	36.7	36.9
Maximum power voltage - Vmpp(V)	30.7	30.9	31.1	31.3
Short circuit current - Im(A)	13.44	13.53	13.62	13.71
Maximum power current - Imp(A)	12.71	12.79	12.87	12.94
Module efficiency η (%)	20.0	20.2	20.5	20.8

Standard testing condition(STC): Irradiance 1000W/m², Temperature 25°C, AM 1.5

Mechanical Data

Cell size	Mono182×182mm
NO.of cells	108Half Cells (6×18)
Dimension	1723*1134*35mm
Weight	22.0kg
Glass	3.2mm high transmission,Anti-reflectioncoating toughened glass
Frame	Anodized aluminum alloy
Junction box	SeparatedJunction box IP68 3 bypass diodes
Connector	AMPHENOLH4/MC4 connector
Cable	4.0mm ² , 300mm PV CABLE, length can be customized

Temperature Ratings

Nominal operating cell temperature	45±2°C
Temperature coefficient of Pmax	-0.35%/°C
Temperature coefficients of Voc	-0.27%/°C
Temperature coefficients of Isc	0.048%/°C

Maximum Ratings

Operating temperature	-40°Cto+85°C
Maximum system voltage	1500v DC (IEC/UL)
Maximum series fuse rating	25A
Pass hail test	Diameter 25mm,speed 23m/s

Warranty

12 Years Workmanship Warranty
30 Years Performance Warranty

Packing Data

Modules per pallet	31 PCS
Modules per 40HQ container	806 PCS
Modules per 13.5m long flatcar	930 PCS
Modules per 17.5m long flatcar	1240 PCS

Dimension

