



210 Series

650–675W

MBB Mono Half-cell Module

POWER OUTPUT RANGE

650–675W



MAXIMUM MODULE EFFICIENCY

21.7 %




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)	650	655	660	665	670	675
Power tolerance(W)	±3%					
Open circuit voltage - Voc(V)	45.49	45.69	45.89	46.09	46.29	46.49
Maximum power voltage - Vmpp(V)	37.87	38.05	38.23	38.41	38.59	38.78
Short circuit current - Im(A)	18.18	18.23	18.28	18.33	18.39	18.44
Maximum power current - Imp(A)	17.17	17.22	17.27	17.32	17.36	17.41
Module efficiency η (%)	20.9	21.1	21.2	21.4	21.6	21.7

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

Mechanical Data

Cell size	Mono 210×210mm
NO.of cells	132Half Cells (6×22)
Dimension	2384*1303*35mm
Weight	38.7kgs
Glass	2.0mm high transmission, Anti-reflection coating toughened glass 2.0mm Half toughened glass
Frame	Anodized aluminum alloy
Junction box	Separated Junction 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 Rating

Operating temperature	-40°C to +85°C
Maximum system voltage	1500v DC (IEC/UL)
Maximum series fuse rating	35A
Pass hail test	Diameter 25mm, speed 23m/s

Warranty

10 Years Workmanship Warranty
30 Years Performance Warranty

Packing Data

Modules per pallet	31 PCS
Modules per 40HQ container	558 PCS
Modules per 13.5m long flatcar	558 PCS
Modules per 17.5m long flatcar	713 PCS

Dimension

