

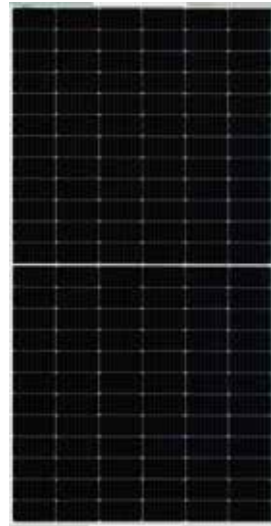
182 MBB Bifacial Half-cell Mono Perc Module



 Power Range 525W~545W	 Power Tolerance 0W~ +5W	 Maximum Efficiency 21.2%
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Features and Benefits

- The application of multi-busbar (MBB) half-cut cell technology brings stronger resistance to shade and lower risk of hot spot.
- Strict control on raw materials and process optimization of high efficiency PERC ensure better resistance against PID of PV module.
- Through harsh weathering tests of sand, dust, salt mist, ammonia, etc, to get stronger weather resistance of outdoor environment.
- Lower oxygen and carbon content result in lower LID.
- By series and parallel design, to reduce the series RS and achieve higher power output and lower BOS cost.
- Lower temperature coefficient and lower operating temperature can ensure higher power generation.
- Double sides power output to reach higher comprehensive efficiency and get more profit.



First-Class Warranty

 12 years product workmanship warranty	 1 st year power degradation no more than 2% . Subsequent annual power degradation no more than 0.45%	 30 years linear power output warranty
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Electrical Performance Parameters | STC

Nominal Max. Power	P _{max} (W)	525	530	535	540	545
Maximum Power Voltage	V _{mp} (V)	40.80	40.87	40.94	41.13	41.32
Maximum Power Current	I _{mp} (A)	12.87	12.97	13.07	13.13	13.19
Open Circuit Voltage	V _{oc} (V)	49.42	49.48	49.54	49.73	49.92
Short Circuit Current	I _{sc} (A)	13.63	13.73	13.83	13.89	13.95
Module Efficiency	(%)	20.36	20.55	20.75	20.94	21.2
Power Tolerance	(W)	0~+5W				

* STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
 * Power measurement tolerance ± 3%.

Electrical Performance Parameters | NMOT

Nominal Max. Power	P _{max} (W)	391	394	398	402	405
Maximum Power Voltage	V _{mp} (V)	37.81	37.88	37.94	38.08	38.25
Maximum Power Current	I _{mp} (A)	10.33	10.41	10.49	10.55	10.60
Open Circuit Voltage	V _{oc} (V)	46.65	46.70	46.76	46.94	47.12
Short Circuit Current	I _{sc} (A)	11.01	11.09	11.17	11.22	11.27

* NMOT: Irradiance 800W/m², Cell Temperature 20°C, Wind Speed 1m/s.
 * Power measurement tolerance ± 3%.

Structure Performance

Solar Cell Type	182mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	144pcs(6×24)
Module Dimension	2279×1134×35mm
Weight	32.3kg
Front Glass	2.0mm, highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm ² PV cable, 300mm or customized length
Diode Quantity	3pcs
Wind Load / Snow Load	2400pa/5400pa
Connector	MC4 Compatible
Per Pallet	31pcs
Per Container(40'HQ)	620pcs

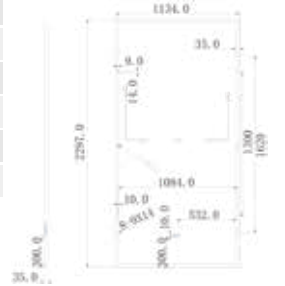
Temperature Characteristics

Nominal Module Operating Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%
Temperature Coefficient (Voc)	-0.30%
Temperature Coefficient (Pmax)	-0.39%

Maximum Parameters

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	25A

Module Dimension



Frame Cross Section

