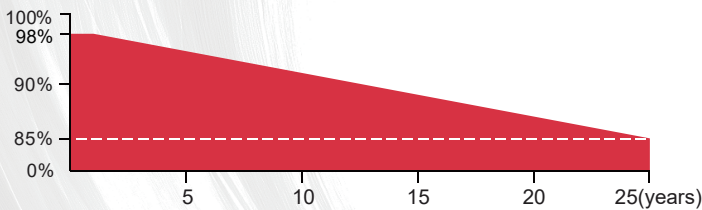
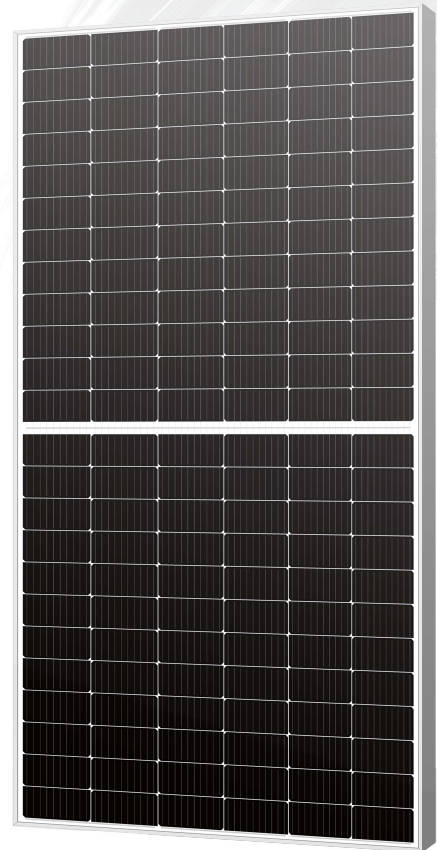


550W MBB Monocrystalline Module Half-cell Module M10-144 530~550W



More Energy's linear performance warranty



12 Years
Material & Craft
Quality
assurance



25 Years
85% output
Power
guarantee



- ▲ Higher output power
- ▲ Module efficiency up to 21.3%
- ▲ Lower temperature coefficient



- ▲ ISO9001:2015 Quality Management system
- ▲ ISO14001:2015 Environmental Management System
- ▲ ISO45001:2018 Occupational Health and Safety Management System



- ▲ Lower LCOE (Levelized Cost Of Energy)
- ▲ High Power output lead to lower BOS cost



Excellent Potential Induced Degradation Resistance



- ▲ Salt Mist Corrosion Protect
- ▲ Ammonia Resistance



Excellent Wind Load 2400Pa & Snow Load 5400Pa Under Certain Installation Method

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Add: Fürtherstr. 38, 90429 Nürnberg, Germany



ME530~550M10-144



More Energy, More Power

Electrical Characteristics(STC*)

Power Output(Wp)	530	535	540	545	550
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	20.5	20.7	20.9	21.1	21.3
Voltage Mpp-Vmpp(V)	41.28	41.51	41.70	41.92	42.11
Current Mpp-Impp(A)	12.84	12.89	12.95	13.00	13.06
Voltage Open Circuit-Voc(V)	49.61	49.87	49.95	50.04	50.28
Short Circuit Current-Isc(A)	13.66	13.72	13.78	13.84	13.90

*STC:Irradiance 1000 W/m²,Environment Temperature 25°C,Air Mass AM1.5

Electrical Characteristics(NMOT*)

Power Output(Wp)	407.16	411.01	414.85	418.69	422.53
Voltage Mpp-Vmpp(V)	37.62	37.83	38.01	38.21	38.39
Current Mpp-Impp(A)	10.82	10.86	10.91	10.96	11.01
Voltage Open Circuit-Voc(V)	45.80	46.04	46.12	46.20	46.42
Short Circuit Current-Isc(A)	11.61	11.66	11.72	11.77	11.82

*NMOT:Irradiance 800 W/m²,Environment Temperature 20°C,Air Mass AM1.5

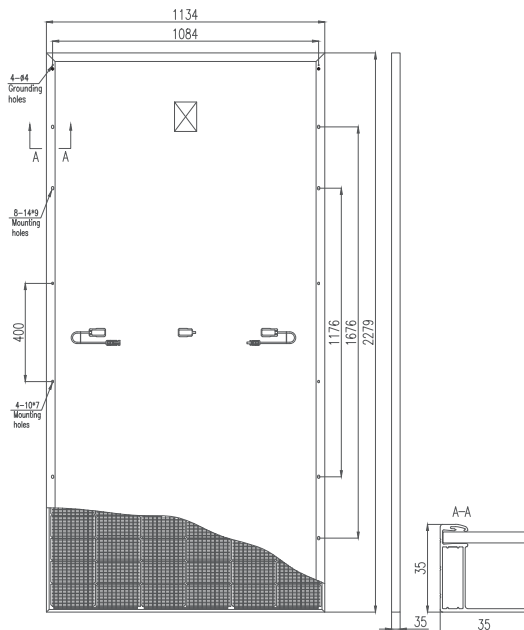
Mechanical Data

Dimension Of Module	2279*1134*35mm
Weight(kg)	28.6
Glass	High transmission glass 3.2mm
Cables	4mm ² /300mm or Customized Length
Junction Box	IP68,3 Bypass-Diode
Connector	MC4 compatible

Mechanical Data

Container	40'HQ
Pieces Per Pallet	31
Pallets Per Container	20
Pieces Per Container	620

Module Back View



*400mm mounting holes are only suitable for 6005-T6 aluminum frame

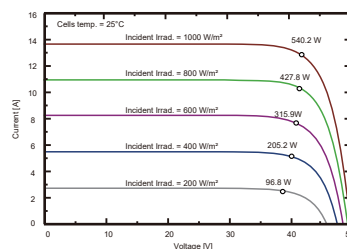
Working Conditions

Max System Voltage(VDC)	1500V
Max Series Fuse Rating	25A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Operating Temperature	-40~+85
Safety Class	II

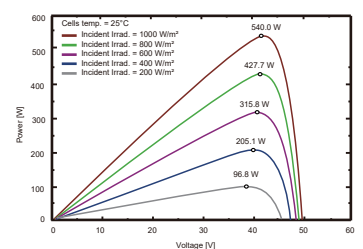
Working Conditions

Temperature Coefficients of Isc(%/°C)	0.046
Temperature Coefficients of Voc(%/°C)	-0.266
Temperature Coefficients of Pmpp(%/°C)	-0.354
NMOT	45±2°C

I-V Curves(540W)



P-V Curves(540W)



Specifications included in this datasheet are subject to change without notice.

Version No. : ME_2022_01