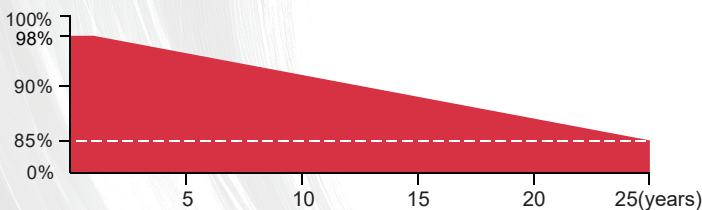
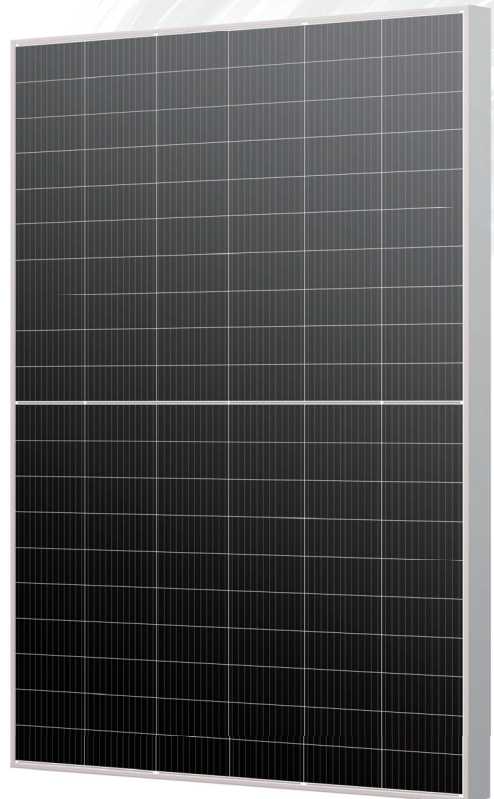


605W MBB Monocrystalline Module Half-cell Module G12-120 585~605W



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 21.4%
- ▲ 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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Web: www.more-energy.net E-Mail: info@more-energy.net

Add: Fürtherstr. 38, 90429 Nürnberg, Germany



ME585~605G12-120



More Energy, More Power

Electrical Characteristics(STC*)

Power Output(Wp)	585	590	595	600	605
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	20.7	20.8	21.0	21.2	21.4
Voltage Mpp-Vmpp(V)	33.95	34.14	34.35	34.54	34.75
Current Mpp-Impp(A)	17.23	17.28	17.32	17.37	17.41
Voltage Open Circuit-Voc(V)	41.24	41.44	41.64	41.84	42.04
Short Circuit Current-Isc(A)	18.60	18.65	18.70	18.75	18.80

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

Electrical Characteristics(NMOT*)

Power Output(Wp)	449.42	453.26	457.10	460.94	464.78
Voltage Mpp-Vmpp(V)	30.95	31.12	31.31	31.49	31.67
Current Mpp-Impp(A)	14.52	14.56	14.60	14.64	14.67
Voltage Open Circuit-Voc(V)	38.08	38.26	38.45	38.63	38.81
Short Circuit Current-Isc(A)	15.81	15.86	15.90	15.94	15.98

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

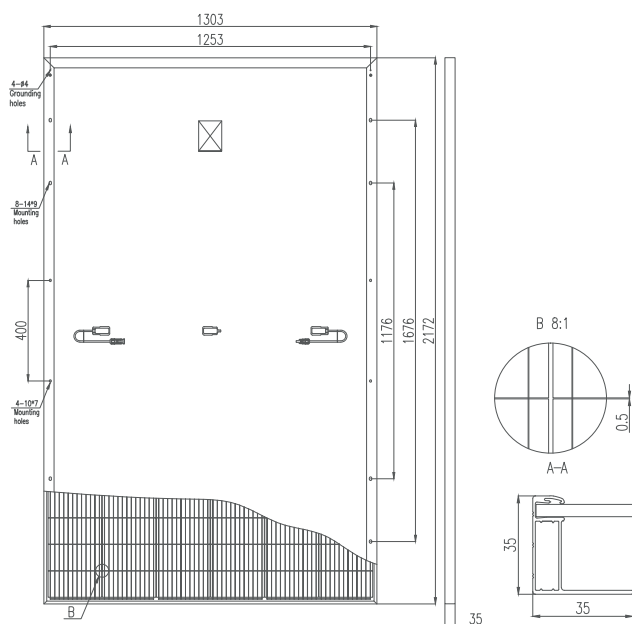
Mechanical Data

Dimension Of Module	2172*1303*35mm
Weight(kg)	31
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	18
Pieces Per Container	558

Module Back View



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

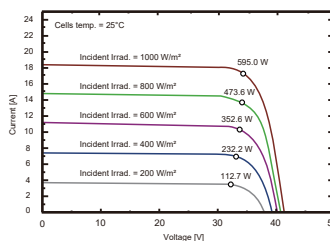
Working Conditions

Max System Voltage(VDC)	1500V
Max Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Operating Temperature	-40 C ~+85 C
Safety Class	II

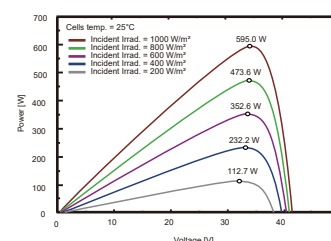
Working Conditions

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(595W)



P-V Curves(595W)



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

Version No. : ME_2022_01