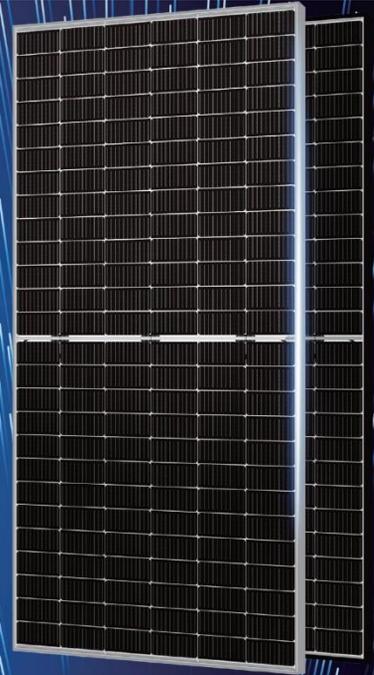


M10-MBB TOPCon Mono Bifacial Module

(156Half Cells)

12 years Product warranty 30 years Linear power warranty

Founder's in Solar PV since 1993, in manufacturing and systems integration,



605-625W /Output power



PID Resistant

Strict selection of encapsulation materials eliminates PID risk.

22.4% /Maximum efficiency



Better Performance

30-year linear warranty, 1% decline in the first year an average annual decline of 0.40% over the first 30 years, increased return investment No Boron-oxygen LID (Light Induced Degradation).

0~+5W /Power tolerance



High Returns

The n-type module has lower annual attenuation, better photoelectric conversion efficiency and temperature coefficient benefit, bifaciality can reach 80%.

Comprehensive product certification

- IEC 61215 IEC61730
- IEC TS 62804 (PID Resistant)
- IEC 62716 (Ammonia Corrosion)
- IEC 61701 (Salt Spray Corrosion)
- IEC TS 62941 (PV quality Management System)
- ISO9001:2015 (Quality Management System)
- ISO14001 (Environmental Management System)
- OHSAS18001 (Occupational Health and Safety Management System)



Multi Busbar Technology

Better light utilization and current collection ability, effectively improve the power output and reliability.

Our PEM Reputed partner's
From CHINA, Taiwan, India,
Turkey, Vietnam & Thailand.
MBC Solar Stands for
Quality & Reliability.



Suitable for



Certification



IEC 62804 (PID) | IEC 61701 (Salt Mist) | IEC 61726 (Ammonia)

IEC 62782 (DMLT) | IEC 61853-1 & 2 (Panfile & IAM) | IEC 60068 (Sand & Dust)

IEC 61215 | INMETRO, CE | IEC 61730 | UL 61730

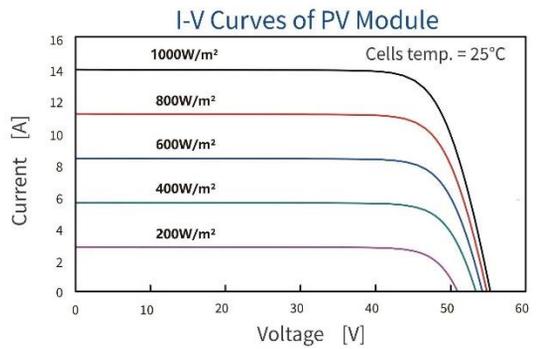
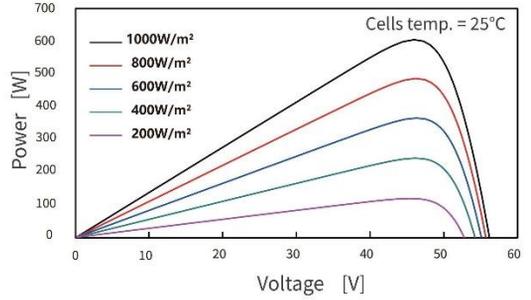
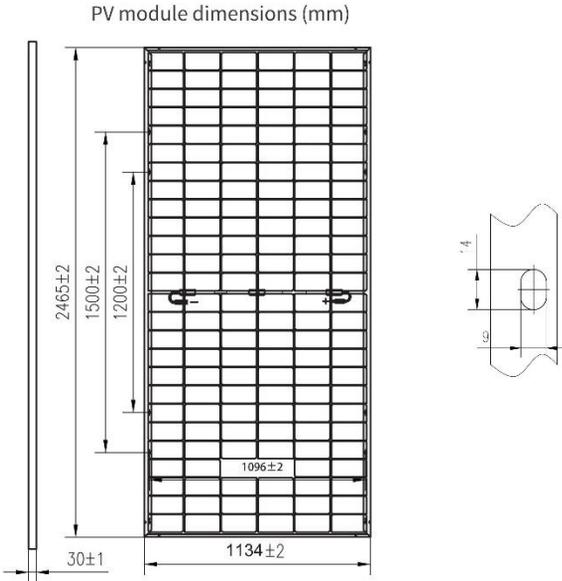
Clean and Green Energy for the Society.

M10-MBB TOPCon Mono Bifacial Module

Model of PV Module

Power Range
605-625W

P-V Curves of PV Module



Electrical Parameter(STC)

Model	605T	610T	615T	620T	625T
Maximum power (W)	605	610	615	620	625
Working point voltage (V)	45.80	45.90	46.10	46.20	46.30
Working point current (A)	13.22	13.29	13.35	13.42	13.50
Open circuit voltage (V)	54.8	54.9	55.1	55.2	55.3
Short circuit current (A)	13.97	14.04	14.10	14.17	14.25
PV module efficiency	21.64%	21.82%	22.00%	22.18%	22.36%
Standard test conditions	AM1.5, Irradiance 1000w/m², Cell Temperature 25°C				

RearSide Power gain

	Maximum Power	635Wp	641Wp	646Wp	651Wp	656Wp
5%	Efficiency STC	22.75%	22.93%	23.12%	23.31%	23.50%
15%	Maximum Power	696Wp	702Wp	707Wp	713Wp	719Wp
	Efficiency STC	24.91%	25.12%	25.32%	25.53%	25.74%
25%	Maximum Power	756Wp	762Wp	769Wp	775Wp	781Wp
	Efficiency STC	27.08%	27.30%	27.53%	27.75%	27.97%

The Electrical performance parameters are neither just referred to one PV panel, nor are a part of the contract; They are only used as reference.

Mechanical Parameters

Module size	2465*1134*30mm
Number of solar cells	156Cells(2*6*13)
Weight	33.2Kg ±5%
Junction Box	IP68, 3 diodes
Cables	4mm², +:300mm/-:200mm (Customizable)
Front plate glass	2.0mm,Ultra white AR coated semi-toughened glass
Rear plate glass	2.0mm, semi-toughened glass
Static load on the front	5400Pa
Static load on the back	2400Pa

Packaging&Transport

40'HQ container transport 36 Pcs/box × 16box = 576 Pcs

Temperature Parameter

NMOT	42±2°C
Temperature coefficient of maximum power(Pmax)	-0.30%/°C
Temperature coefficient of open circuit voltage(Voc)	-0.25%/°C
Temperature coefficient of short circuit current(Isc)	+0.045%/°C

Maximum Ratings

Working temperature	-40~+85°C
Maximum system voltage	1500VDC
Maximum fuse rated current	30A

MBC Solar Panels Deliver Performance Guaranteed through our OEM Partners.

Energize Society By Sustainable Energy Solutions

