

M10 MBB Mono Bifacial Module

132 Half Cells

Sliver frame or black frame

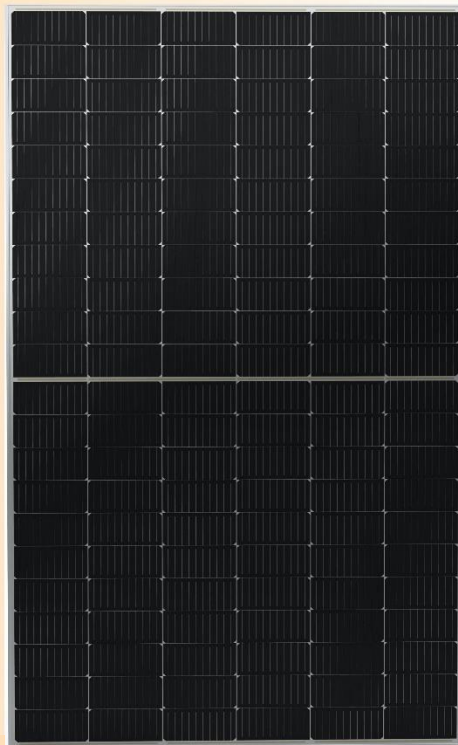


12 Years Product warranty



30 Years Linear power warranty

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



480-500W

Output power

21.1%

Maximum efficiency

0~+5W

Power tolerance

Better Performance

Lower Heat Loss of Internal- resistance

Better Reliability

Reduce Shading & Risk of Micro Crack

Design for Harsh Environment

Resistant to Salt, Ammonia, Dust & Sand

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



Suitable for



RESIDENTIAL



UTILITY



COMMERCIAL



OFF-GRID

Certification



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

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

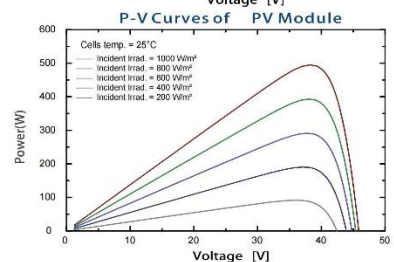
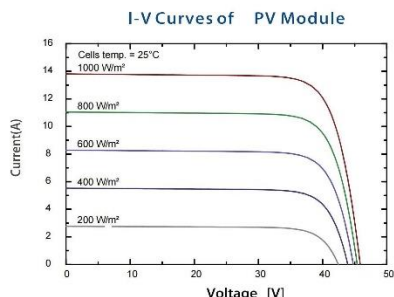
IEC 61215 | INMETRO, CE | IEC 61730 | UL 61730

M10 MBB Monocrystalline Bifacial half-cell Module

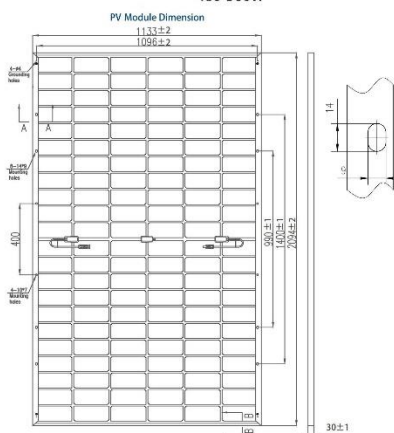
Front Electrical Parameter(STC)					
Model	480M	485M	490M	495M	500M
Maximum power	480	485	490	495	500
Working point voltage	37.85	37.98	38.16	38.31	38.43
Working point current	12.68	12.77	12.84	12.92	13.01
Open circuit voltage	44.95	45.10	45.25	45.40	45.55
Short circuit current	13.59	13.67	13.74	13.82	13.90
PV module efficiency	20.27%	20.48%	20.69%	20.90%	21.12%
Standard test conditions	AM1.5, Irradiance 1000w/m ² , Cell Temperature 25°C				

RearSide Power gain					
5%	Maximum Power	504Wp	509Wp	514Wp	520Wp
	Efficiency STC	21.26%	21.45%	21.67%	21.89%
15%	Maximum Power	552Wp	558Wp	564Wp	569Wp
	Efficiency STC	23.25%	23.49%	23.73%	23.97%
25%	Maximum Power	656.25Wp	662.5Wp	668.8Wp	675.0Wp
	Efficiency STC	25.26%	25.53%	25.79%	26.06%

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.



Model of PV Module Power Range
480-500W



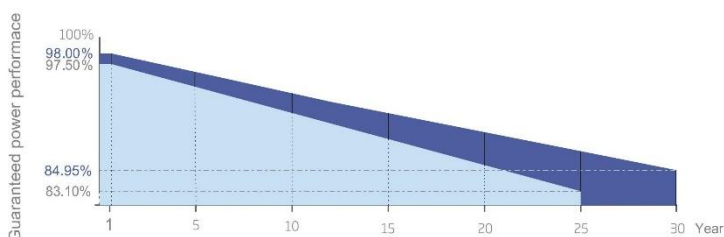
Mechanical Parameters	
Module size	2094*1133*30mm
Number of solar cells	132Cells(2*6*11)
Weight	29.5Kg ±5%
Junction Box	IP68, 3 diodes
Cables	4mm ² , 300mm, (Customizable)
Front plate glass	Ultra white AR coated semi-toughened glass
Rear plate glass	semi-toughened glass
Static load on the front	5400Pa
Static load on the back	2400Pa

Packaging&Transport	
40'HQ container transport	36 Pcs/box × 22 box =792 Pcs

Temperature Parameter	
NMOT	45±2°C
Pmax	-0.35%/°C
Voc	-0.28%/°C
Isc	+0.048%/°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**