

M10 MBB Mono Bifacial Module

108 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

390-410W

Output power

21.0%

Maximum efficiency

0~+5W

Power tolerance

Better Performance

Better Light Trapping & Lower Series Resistance

Better Reliability

Reduce Shading & Risk of Micro Crack

Sleek & Stunning Looking

Powered by Semicore® SignatureBlack™ Technology

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



MCS



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

M10MBB Monocrystalline Bifacial Half-cell Black Module

Front Electrical Parameter(STC)

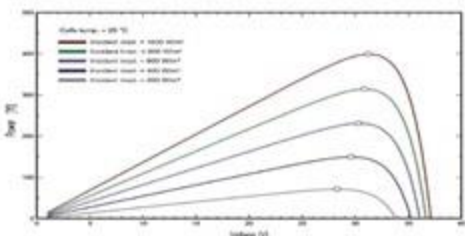
Model	390M	395M	400M	405M	410M
Maximum power	390	395	400	405	410
Working point voltage	30.5	30.6	30.9	31.2	31.2
Working point current	12.77	12.89	12.91	12.96	12.96
Open circuit voltage	36.64	36.73	37.81	37.88	37.95
Short circuit current	13.64	13.70	13.76	13.83	13.90
PV module efficiency	20.0%	20.2%	20.5%	20.7%	21.0%
Standard test conditions	AM1.5, Irradiance 1000w/m ² , Cell Temperature 25°C				

RearSide Power gain

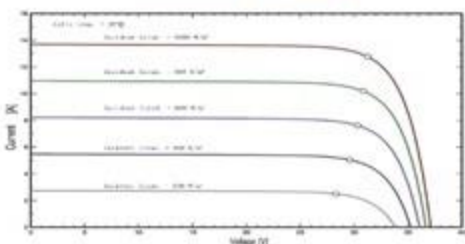
5%	Maximum Power	410Wp	415Wp	420Wp	425Wp	430Wp
	Efficiency STC	21.1%	21.4%	21.7%	22.0%	22.1%
15%	Maximum Power	445Wp	450Wp	460Wp	465Wp	472Wp
	Efficiency STC	23.2%	23.5%	23.8%	24.0%	24.2%
25%	Maximum Power	485Wp	490Wp	500Wp	505Wp	512Wp
	Efficiency STC	25.2%	25.5%	25.8%	26.1%	26.3%

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.

P-V Curves of PV Module

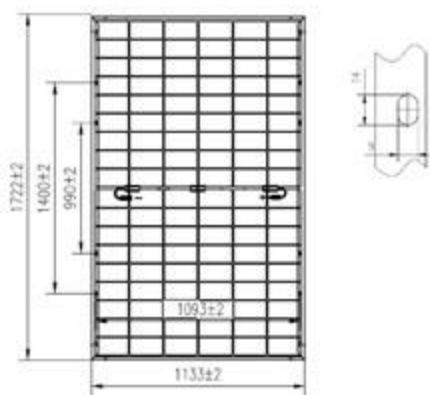


I-V Curves of PV Module



Model of PV Module Power Range
| 390 - 410 W

PV Module Dimension



Mechanical Parameters

Module size	1722*1133*30mm
Number of solar cells	108(2*6*9)
Weight	25Kg ±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 × 26 box =936 Pcs

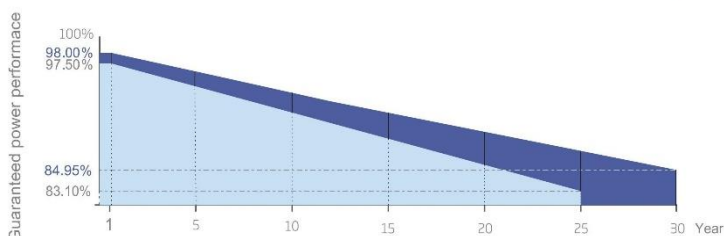
Temperature Parameter

NMOT	45±2°C
Pmax	-0.34%/°C
Voc	-0.25%/°C
Isc	+0.04%/°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