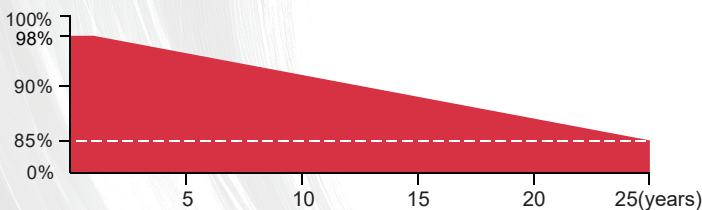
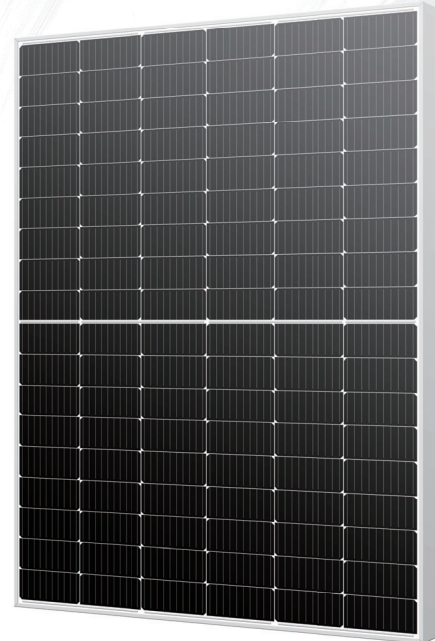


## 410W MBB Monocrystalline Module Half-cell Module M10-108 390~410W



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 21.0%
- ▲ 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

Hotline&WhatsApp: + 49 15 225 20 30 30  
Web: [www.more-energy.net](http://www.more-energy.net) E-Mail: [info@more-energy.net](mailto:info@more-energy.net)  
Add: Fürtherstr. 38, 90429 Nürnberg, Germany



# ME390~410M10-108



More Energy, More Power

## Electrical Characteristics(STC\*)

Power Output(Wp)	390	395	400	405	410
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	19.9	20.2	20.5	20.7	21.0
Voltage Mpp-Vmpp(V)	30.59	30.76	30.98	31.23	31.44
Current Mpp-Impp(A)	12.75	12.84	12.91	12.97	13.04
Voltage Open Circuit-Voc(V)	36.67	36.91	37.10	37.33	37.58
Short Circuit Current-Isc(A)	13.63	13.71	13.80	13.87	13.94

\*STC:Irradiance 1000 W/m<sup>2</sup>,Environment Temperature 25°C,Air Mass AM1.5

## Electrical Characteristics(NMOT\*)

Power Output(Wp)	299.61	303.45	307.29	311.13	314.98
Voltage Mpp-Vmpp(V)	27.88	28.04	28.24	28.46	28.66
Current Mpp-Impp(A)	10.75	10.82	10.88	10.93	10.99
Voltage Open Circuit-Voc(V)	33.86	34.08	34.25	34.47	34.70
Short Circuit Current-Isc(A)	11.59	11.66	11.73	11.79	11.85

\*NMOT:Irradiance 800 W/m<sup>2</sup>,Environment Temperature 20°C,Air Mass AM1.5

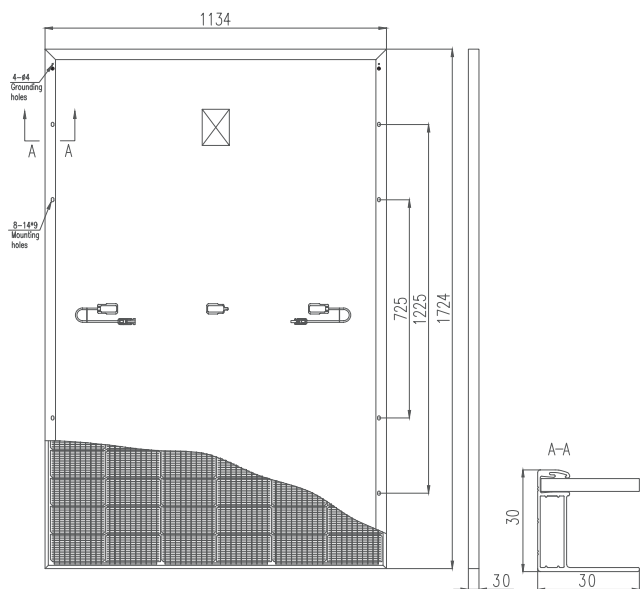
## Mechanical Data

Dimension Of Module	1724*1134*30mm
Weight(kg)	21.5
Glass	High transmission glass 3.2mm
Cables	4mm <sup>2</sup> /300mm or Customized Length
Junction Box	IP68,3 Bypass-Diode
Connector	MC4 compatible

## Mechanical Data

Container	40'HQ
Pieces Per Pallet	36
Pallets Per Container	26
Pieces Per Container	936

## Module Back View



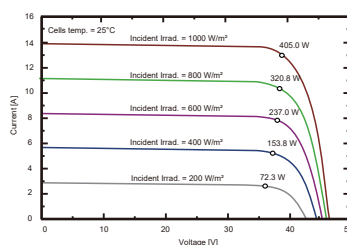
## Working Conditions

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

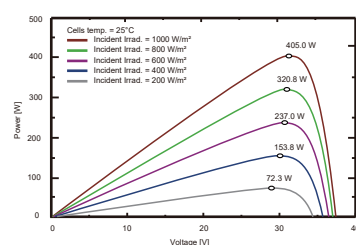
## Working Conditions

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(405W)



## P-V Curves(405W)



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

Version No. : ME\_2022\_01