MORE ENERGY

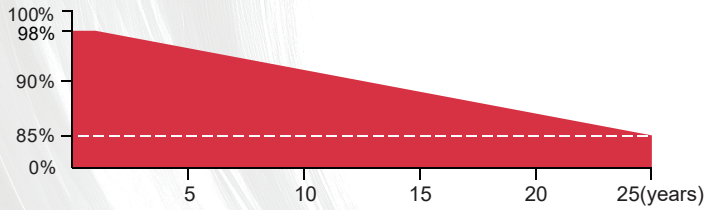
More Energy, More Power

410W MBB

Mono Crystalline

Half-cell Bifacial 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

PID FREE

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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ME390~410M10-108

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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(%)	20.0	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/m²,Environment Temperature 25℃,Air Mass AM1.5

Electrical Characteristics With 10% Rear Side Power Gain

Power Output(Wp)	429	435	440	446	451
Voltage Mpp-Vmpp(V)	30.59	30.76	30.98	31.23	31.44
Current Mpp-Impp(A)	14.03	14.12	14.20	14.27	14.34
Voltage Open Circuit-Voc(V)	36.67	36.91	37.10	37.33	37.58
Short Circuit Current-Isc(A)	14.99	15.08	15.18	15.26	15.33

*Rear side power gain:The additional gain from the rear side compared to the power of the front side at the standard test condition.
It depends on mounting (structure,height,tilt angle etc.)and albedo of the ground

Electrical Characteristics(NMOT*)

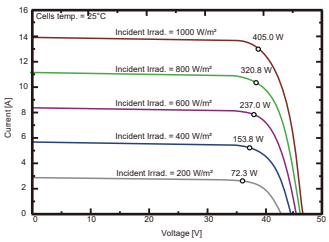
Power Output(Wp)	299.61	303.45	307.29	311.13	314.98
Voltage Mpp-Vmpp(V)	27.88	28.04	28.24	28.46	28.66
Current Mpp-Impp(A)	10.75	10.82	10.88	10.93	10.99
Voltage Open Circuit-Voc(V)	33.86	34.08	34.25	34.47	34.70
Short Circuit Current-Isc(A)	11.59	11.66	11.73	11.79	11.85

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

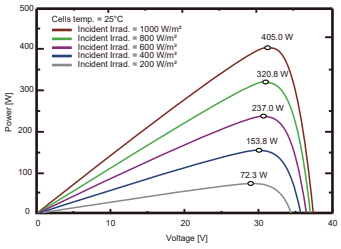
Mechanical Data

Dimension Of Module	1722*1134*35mm
Weight(kg)	21.5
Glass	High transmission glass 3.2mm
Cables	4mm²/300mm or Customized Length
Junction Box	IP68,3 Bypass-Diode
Connector	MC4 compatible

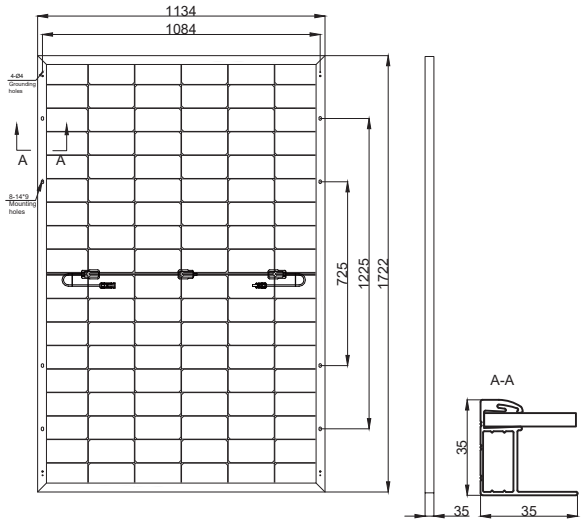
I-V Curves(405W)



P-V Curves(405W)



Module Back View



Mechanical Data

Loading Capacity	806 pcs/40'HQ

Working Conditions

Max System Voltage(VDC)	1500V
Max Series Fuse Rating	25A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Operating Temperature	-40℃~+85℃
Safety Class	Ⅱ
Power Bifaciality	65±5%

Working Conditions

Temperature Coefficients of Isc(%/℃)	0.046
Temperature Coefficients of Voc(%/℃)	-0.266
Temperature Coefficients of Pmpp(%/℃)	-0.354
NMOT	45±2℃

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