

ME390~410M10-108GA



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(%)	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°C,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*)

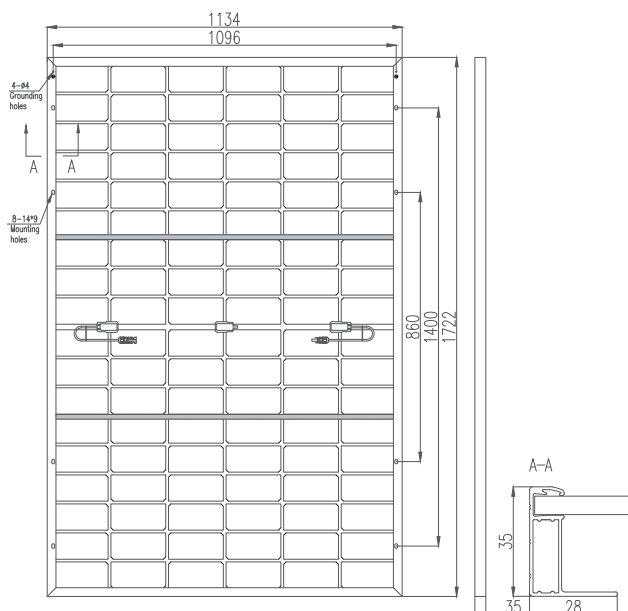
Power Output(Wp)	299.61	303.45	307.29	311.13	314.98
Voltage Mpp-Vmpp(V)	27.88	28.04	28.24	28.46	28.66
Current Mpp-Impp(A)	10.75	10.82	10.88	10.93	10.99
Voltage Open Circuit-Voc(V)	33.86	34.08	34.25	34.47	34.70
Short Circuit Current-Isc(A)	11.59	11.66	11.73	11.79	11.85

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

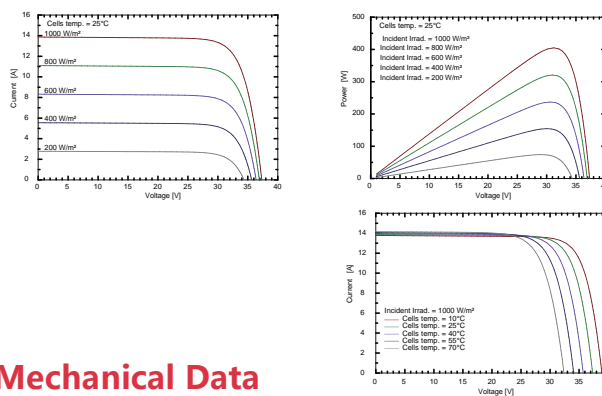
Mechanical Data

Dimension Of Module	1722*1134*35mm
Weight(kg)	24.5
Front/Back Glass	2.0mm heat strengthened glass
Cables	4mm ² /300mm or Customized Length
Junction Box	IP68,3 Bypass-Diode
Connector	MC4 compatible

Module Back View



Characteristic Curves(405W)



Mechanical Data

Loading Capacity	806 pcs/40'HQ
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Working Conditions

Max System Voltage(VDC)	1500V
Max Series Fuse Rating	30A
Maximum Load Capacity	Front 10000Pa/Back 5400Pa
Operating Temperature	-40 ¥ ~+85 ¥
Safety Class	II
Power Bifaciality	70±5%

Working Conditions

Temperature Coefficients of Isc(%/ ¥)	0.026
Temperature Coefficients of Voc(%/ ¥)	-0.272
Temperature Coefficients of Pmpp(%/ ¥)	-0.353
NMOT	45±2 ¥