



# 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/m<sup>2</sup>,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\*)

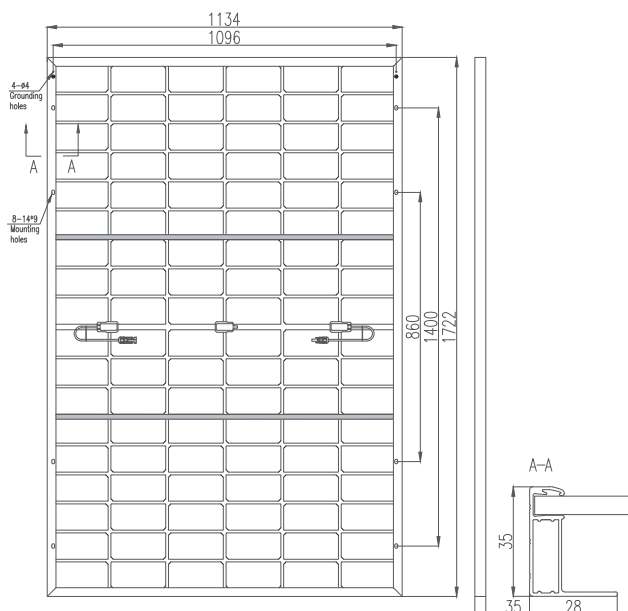
|                              |        |        |        |        |        |
|------------------------------|--------|--------|--------|--------|--------|
| Power Output(Wp)             | 299.61 | 303.45 | 307.29 | 311.13 | 314.98 |
| Voltage Mpp-Vmpp(V)          | 27.88  | 28.04  | 28.24  | 28.46  | 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/m<sup>2</sup>,Environment Temperature 20°C,Air Mass AM1.5

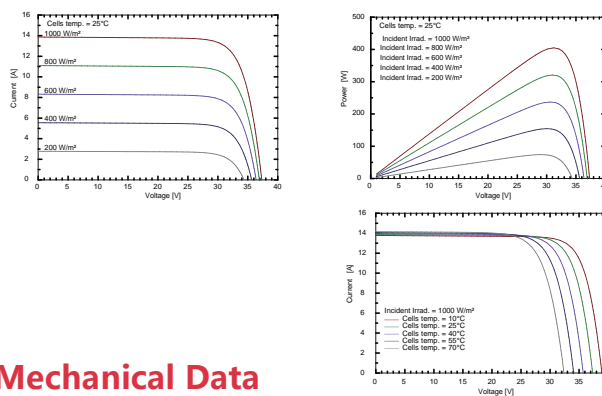
## Mechanical Data

|                     |  |
|---------------------|--|
| Dimension Of Module | 1722*1134*35mm                               |
| Weight(kg)          | 24.5   |
| Front/Back Glass    | 2.0mm heat strengthened glass                |
| Cables              | 4mm <sup>2</sup> /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 |
|------------------|---------------|

## 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 ¥ |