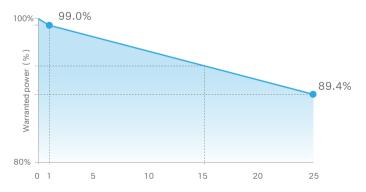


- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System ISO45001:2018: Occupational health and safety management systems

| Product Warranty



Warranty for Materials and Processing

Warranty for Extra Linear Power Output

First Year Power Degradation < 1%

Year 2-25 Power Degradation < 0.4%

I Product Performance



Higher Efficiency

Excellent MBB technology and leading process technology, conversion efficiency up to 23.4%



Superior Low Irradiation Performance

Higher power output in the morning and evening, cloudy days, haze and other low-light scenarios



Lower LCOE

Effectively reduce system BOS costs and shorten the return on investment cycle



Superior Temperature Coefficient

Generating 1%-2% more power than P-type modules in high temperature



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control

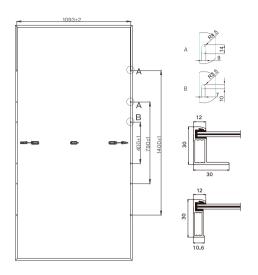


Superior Mechanical Load Capacity

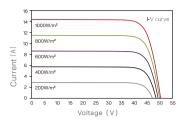
Heavy snow load up to 5400 Pa wind load up to 2400 Pa

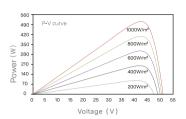
| Engineering Drawings

77 8.22 Unit: mm



I-V and P-V Curves





| Specifications (STC)

| Maximum Power Pmax (W) | 580 | 585 | 590 | 595 | 600 | 605 |
|----------------------------------|-------|-------|------------------------|-------|-------------|-------|
| Voltage at Maximum Power (Vmp/V) | 43.35 | 43.53 | 43.71 | 43.88 | 44.06 | 44.23 |
| Current at Maximum Power (Imp/A) | 13.38 | 13.44 | 13.50 | 13.56 | 13.62 | 13.68 |
| Open Circuit Voltage (Voc/V) | 52.31 | 52.47 | 52.63 | 52.79 | 52.95 | 53.11 |
| Short Circuit Current (Isc/A) | 14.01 | 14.07 | 14.13 | 14.19 | 14.25 | 14.31 |
| Module Efficiency (%) | 22.5 | 22.7 | 22.8 | 23.0 | 23.2 | 23.4 |
| Power Tolerance | 0~+3% | | Maximum System Voltage | | DC1500V | |
| Maximum Series Fuse Rating | 30A | | Operating Temperature | | -40°C~+70°C | |

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Mechanical Characteristics

| Cell Type | N- type mono-crystalline |
|------------------|---|
| Cell Orientation | 144 (2×72) |
| Dimension | 2278 x 1134 x 30mm |
| Weight | 26.1kg |
| Glass | Single glass,2.8mm coated tempered glass |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68 rated |
| Output Cables | 4mm², (+): 300mm, (-): 200mm or customized length |
| Connector Type | MC4-EVO2A/others |
| Mechanical Load | 5400Pa (Front side) /2400Pa (Rear side) |

| Temperature Characteristics

| Temperature Coefficients of Pmax | -0.29%/°C |
|----------------------------------|-----------|
| Temperature Coefficients of Voc | -0.25%/°C |
| Temperature Coefficients of Isc | 0.045%/°C |

| Packaging Configuration

| Packing Detail | 36 pcs/pallets, 72 pcs/stack, |
|----------------|-------------------------------|
| | 720 pcs/ 40'HQ container |



