

ALTRA HC M108 Glass-Glass Bifacial

182 PERC MONO
HALF CELL MODULE

395-420W

POSITIVE TOLERANCE 0~+6W
SUPER PERC MONO 108 CELL

New Energy, Smart Living

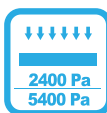


WHY MYSOLAR?



MBB Solar Cells

Mysolar panels have multi-busbars that can reduce current heat loss of the cells and increase the current collection ability.



Strong and Safe

Mysolar panels are certified to withstand 2400 Pa negative load of wind and 5400 Pa positive load of snow.



1500V System Voltage

Mysolar panels are of 1500V system voltage design compatible to 1000V/1500V and reduces BoS cost greatly.



PID-Resistant

Mysolar panels are PID-resistant which were tested to the industry's most rigorous durability standards in accordance to IEC 62804.



Better Low Light Output

Mysolar uses the best solar glass, cells, and assembling technology to guarantee good performance in cloudy days or low light conditions.



Salt-resistant & Ammonia-Resistant

Mysolar solar panels are salt mist and ammonia resistance certified.



Positive Tolerance

Mysolar guarantees that all solar modules manufactured by Mysolar have 0~6W positive tolerance.



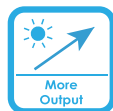
Confident Warranty

Mysolar offers 25 years limited product warranty and 30 years performance warranty for Bifacial solar modules.



Dual Side Power Producing

Mysolar bifacial panels have up to 70% bifaciality, generates up to 25.2% more energy yield than conventional panels.



Higher Output

With multi-busbar cells, and 1500V system voltage, super solar glass, Mysolar panels have higher output than its competitors'.



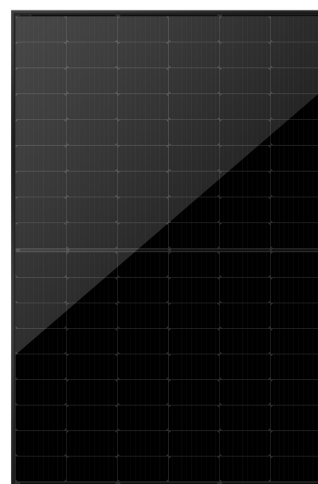
High Reliability

Mysolar has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of Mysolar panels were tested & minimally twice EL tests guaranteed.



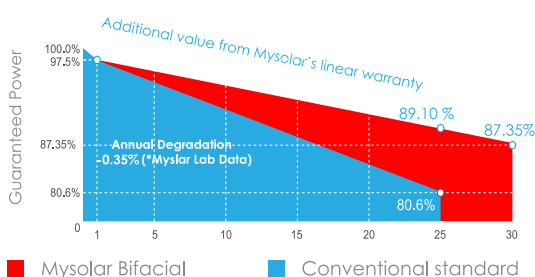
More Options for Solar Projects

More possible purposes like vertical installations, BIPV's, areas of high humidity, strong wind/snow, and deserts.



LINEAR PERFORMANCE WARRANTY

25 Year Product Warranty · 30 Year Linear Power Warranty



- * ISO9001: 2015 Quality management systems
- * ISO14001: 2015 Quality management systems
- * ISO 45001: 2018 Occupational health and safety management systems
- * IEC 61215/61730, UL 61215/61731 certified product



SPECIFICATIONS

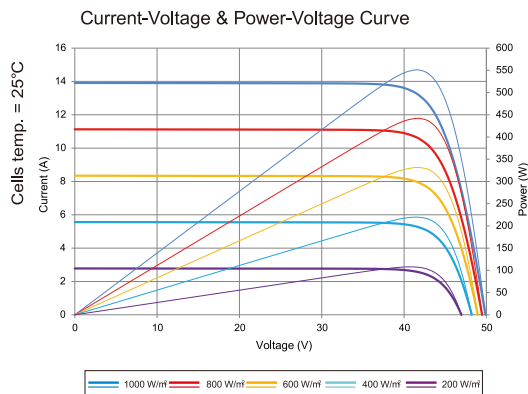
| Module Type | MS395M-DHBA | | MS400M-DHBA | | MS405M-DHBA | | MS410M-DHBA | | MS415M-DHBA | | MS420M-HA | |
|---|-------------|--------|-------------|--------|-------------------|--------|-------------|--------|-------------|--------|-----------|--------|
| | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum Power (Pmax) | 395W | 298.5W | 400W | 302.2W | 405W | 305.8W | 410W | 309.4W | 415W | 313.0W | 420W | 316.6W |
| Maximum Power Voltage (Vmp) | 30.84V | 28.60V | 31.01V | 28.80V | 31.21V | 29.00V | 31.45V | 29.20V | 31.68V | 29.40V | 31.84V | 29.60V |
| Maximum Power Current (Imp) | 12.81A | 10.53A | 12.90A | 10.58A | 12.98A | 10.63A | 13.04A | 10.67A | 13.10A | 10.71A | 13.20A | 10.67A |
| Open-circuit Voltage (Voc) | 36.98V | 34.61V | 37.07V | 34.77V | 37.23V | 35.00V | 37.32V | 35.21V | 37.71V | 35.43V | 37.87V | 35.63V |
| Short-circuit Current (Isc) | 13.70A | 11.08A | 13.79A | 11.13A | 13.87A | 11.18A | 13.95A | 11.22A | 14.03A | 11.26A | 14.09A | 11.30A |
| Module Efficiency STC (%) | 20.20% | | 20.50% | | 20.70% | | 21.00% | | 21.25% | | 21.60% | |
| OperatingTemperature (°C) | | | | | -40°C~-+85°C | | | | | | | |
| Maximum Sys tem Voltage | | | | | 1500VDC | | | | | | | |
| Maximum Series Fuse Rating | | | | | 30A | | | | | | | |
| Power Tolerance | | | | | 0~-+6W | | | | | | | |
| Temperature Coefficientsof Pmax | | | | | -0.36%/°C | | | | | | | |
| Temperature Coefficientsof Voc | | | | | -0.304%/°C | | | | | | | |
| Temperature Coefficientsof Isc | | | | | 0.050%/°C | | | | | | | |
| Nominal Operating Cell Temperature (NOCT)/ Nominal Module Operating Temperature (NMOT) | | | | | 45±2°C/ 42±2°C | | | | | | | |

NMOT* (Nominal Module Operating Temperature):

Irradiance 800W/sqm, Ambient Temperature 20 °C, AM 1.5, Wind Speed 1m/s

*Power measurement tolerance: -/+3%

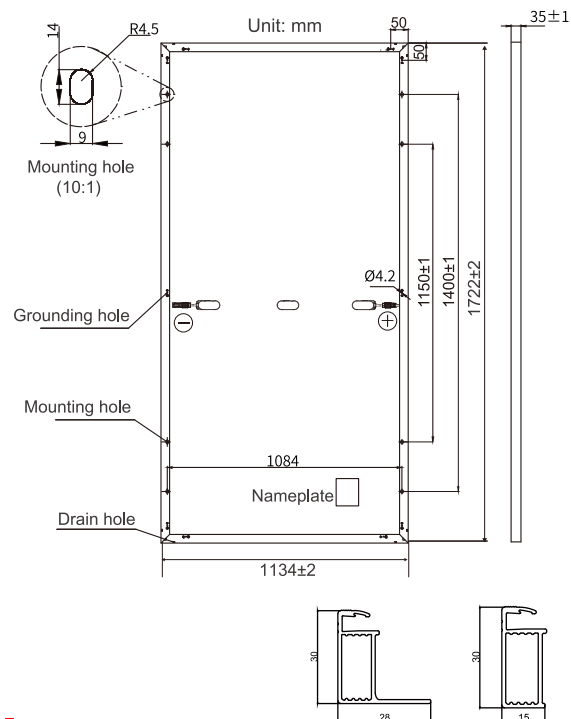
Characteristics and Operating Temperature



Mechanical Characteristics

| | |
|-------------------|---|
| Cell Type | Mono PERC 182*91mm |
| No. of cells | 108 (6*9*6*9) |
| Dimensions | 1722±2 x 1134±2 x 30±1 mm |
| Weight | 23.80Kg ±2% |
| Front Glass | 2.0mm Anti-Reflection Coating, High Transmission, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 Rated, 3 diodes, 1.2m cable/Customized |
| Cable & Connector | 4mm ² (IEC), 12 AWG (UL) MC4-Evo2, in accordance with IEC 62852 |

Mechanical Diagrams



Packaging Info

(Two pallets = One stack)

36pcs/pallet, 936pcs/40'HQ Container

Mysolar reserves the right to make necessary adjustment to the information described herein at any time without further notice due to continuous innovation and product improvement. Please be kindly noted installation of Mysolar solar modules shall be done by professional skilled people. Please read the installation manual carefully before using Mysolar solar panels.

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