

Mysolar

SUPO HC M144

SUPER PERC MONO
HALF CELL MODULE

390-410W

POSITIVE TOLERANCE 0~+6W
SUPER PERC MONO 144 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.



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.



1000V System Voltage

Mysolar panels are of 1000V system voltage design and reduce BoS cost greatly.



Positive Tolerance

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



Confident Warranty

Mysolar offers 12 years limited product warranty and 25 years performance warranty for all the solar modules.



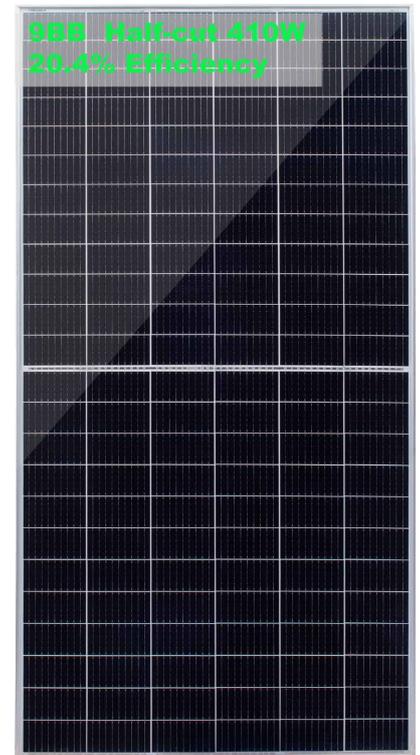
Higher Output

With multi-busbar (5BB) cells, and 1500V system voltage, super solar glass, Mysolar panels have higher output than its competitors'.



High Reliability

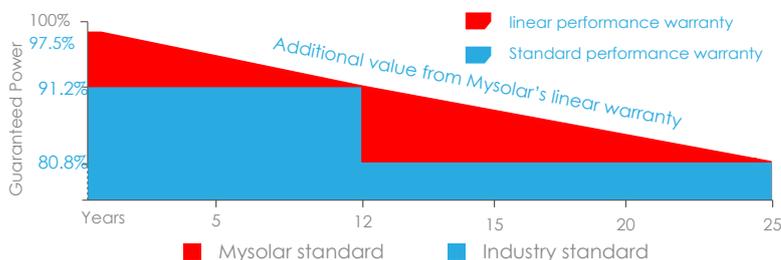
Mysolar has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of Mysolar panels were tested & minimumly twice EL tests guaranteed.



Made in China

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 25 Year Linear Power Warranty



Fire Safety Class: Class C according to UL790

- ISO9001:2015 Quality management systems
- ISO14001: 2015 Quality management systems
- OHSAS18001: 2018 Occupational health and safety management systems
- IEC61215, IEC61730, UL1703 certified product



SPECIFICATIONS

| Module Type | MS390M-HS | MS395M-HS | MS400M-HS | MS405M-HS | MS410M-HS |
|---|-------------|-----------|-----------|-----------|-----------|
| | STC | STC | STC | STC | STC |
| Maximum Power (Pmax) | 390Wp | 395Wp | 400Wp | 405Wp | 410Wp |
| Maximum Power Voltage (Vmp) | 40.24V | 40.47V | 40.65V | 40.74V | 40.95V |
| Maximum Power Current (Imp) | 9.69A | 9.76A | 9.84A | 9.94A | 10.01A |
| Open-circuit Voltage (Voc) | 48.74V | 48.99V | 49.19V | 49.24V | 49.46V |
| Short-circuit Current (Isc) | 10.19A | 10.26A | 10.34A | 10.45A | 10.52A |
| Module Efficiency STC (%) | 19.40% | 19.60% | 19.90% | 20.10% | 20.40% |
| Operating Temperature (°C) | -40°C~+85°C | | | | |
| Maximum System Voltage | 1000VDC | | | | |
| Maximum Series Fuse Rating | 15A | | | | |
| Power Tolerance | 0~+6W | | | | |
| Temperature Coefficients of Pmax | -0.38%/°C | | | | |
| Temperature Coefficients of Voc | -0.31%/°C | | | | |
| Temperature Coefficients of Isc | 0.048%/°C | | | | |
| Nominal Operating Cell Temperature (NOCT) | 45±2°C | | | | |

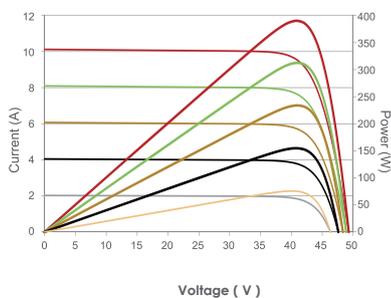
STC: Irradiance 1000W/sqm Cell Temp: 25°C AM=1.5°C

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

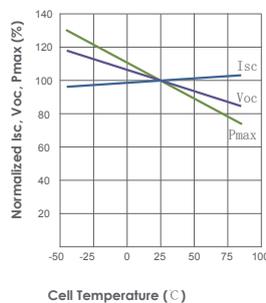
*Power measurement tolerance: -/+3%

Characteristics and Operating Temperature

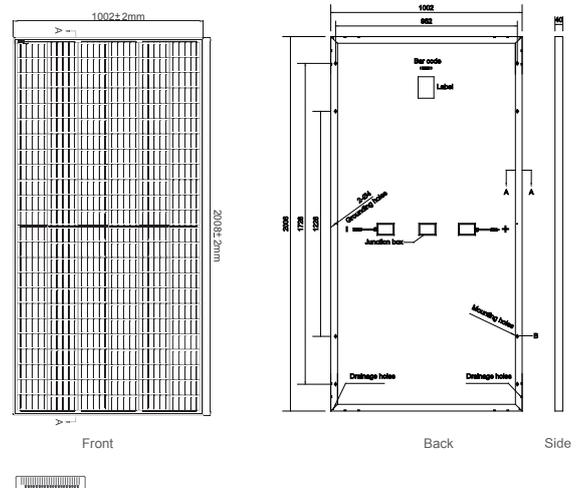
Current-Voltage Curve in Various Light Levels



Output in Various Temp Conditions



Mechanical Diagrams



Mechanical Characteristics

| | |
|-------------------|--|
| Cell Type | Mono PERC 158.75×79.375mm(6.25×3.125inch) |
| No. of cells | 144 (6×12×6×12) |
| Dimensions | 2008/2010×1002×40mm |
| Weight | 22.20kg/21.70kg |
| Front Glass | 3.2mm, Anti-Reflection Coating, High Transmission, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | QC Solar QC161621/SUNTER PV PV-ZH011-5, 3 diodes |
| Cable & Connector | 4mm ² cable QC Solar QC4.10-ab/SUNTER PV PV-ZH202 IP68 |

Packaging Info

(Two pallets = One stack)

27pcs/pallet, 54pcs/stack, 594pcs/40'HQ Container, 270pcs/20'GP

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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