

WHY MYSOLAR?



MBB Solar Cells

Mysolar panels have multi-busbars that can reduce current heat loss of the cells and increas 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 manufacturered by Mysolar have 0~6W positive tolerance.



Confident Warranty

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



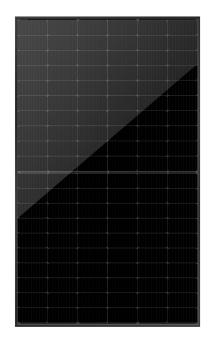
Higher Output

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



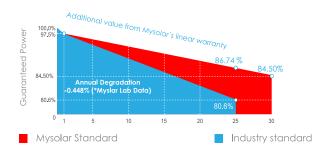
High Reliablity

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.



LINEAR PERFORMANCE WARRANTY

25 Year Product Warranty · 25 Year Linear Power Warranty



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















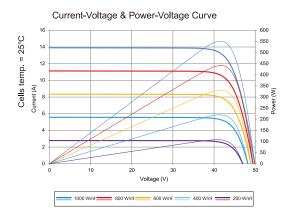


SPECIFICATIONS Module Type MS460M-HA MS455M-HA MS450M-HA MS445M-HA MS440M-HA NMOT STC NMOT STC STC NMOT STC NMOT STC NMOT 460W 347.1W 455W 343.5W 450W 340.0W 445W 336.3W 440W 332.6W Maximum Power (Pmax) Maximum Power Voltage (Vmp) 35.04V 32.7V 34.90V 32.4V 34.73V 32.2V 34.58V 32.0V 34.41V 31.8V Maximum Power Current (Imp) 13.13A 10.70A 13.04A 10.63A 12.96A 10.58A 12.87A 10.53A 12.79A 10.47A 41.54V 39.3V 41.36V 39.1V 41.04V 38.7V 40.91V 38.5V Open-circuit Voltage (Voc) 41.20V 38.8V Short-circuit Current (Isc) 14.02A 11.22A 13.95A 11.18A 13.87A 11.13A 13.79A 11.08A 13.70A 11.02A Module Efficiency STC (%) 21.2% 21.0% 20.8% 20.6% 20.3% Operating Temperature (°C) -40°C~+85°C Maximum System Voltage 1500VDC Maximum Series Fuse Rating 25A Power Tolerance 0~+6W Temperature Coefficients of Pmax -0.36%/°C Temperature Coefficients of Voc -0.304%/°C Temperature Coefficients of Isc 0.050%/℃ Nominal Operating Cell Temperature (NOCT)/ 45±2°C/ Nominal Module Operating Temperature (NMOT)

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

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

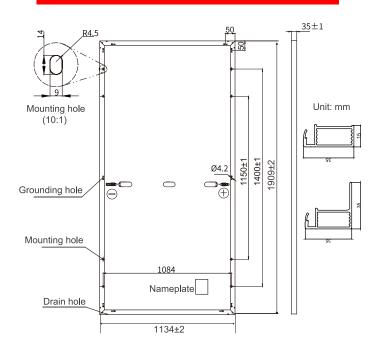
Characteristics and Operating Temperature



Mechanical Characteristics

Cell Type	Mono PERC 182*91mm
No. of cells	120 (6×10+6×10)
Dimensions	1909±2 x1134±2 x35±1 mm
Weight	24.00Kg Approx
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated, 3 diodes, 300mm cable/Customized
Cable & Conne	ctor 4mm² (IEC),12 AWG (UL) MC4 compatible

Mechanical Diagrams



Packaging Info

(Two pa**ll**ets = One stack)

31pcs/pallet, 744pcs/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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^{*} Power measurement tolerance: -/+3%