

# 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

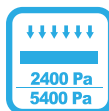


### WHY MYSOLAR?



#### 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

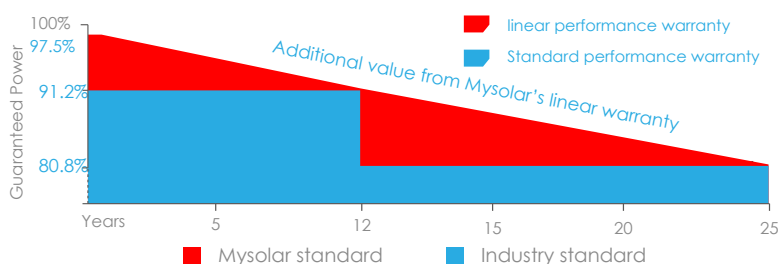
Mysolar has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of Mysolar panels were tested & minimally twice EL tests guaranteed.



Made in China

### LINEAR PERFORMANCE WARRANTY

12 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	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				

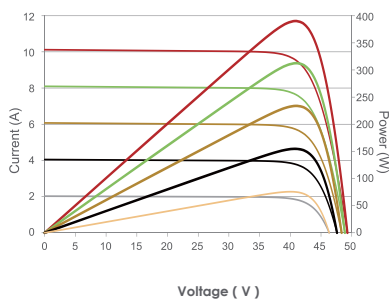
**STC:** Irradiance 1000W/sqm Cell Temp: 25°C AM=1.5°C

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

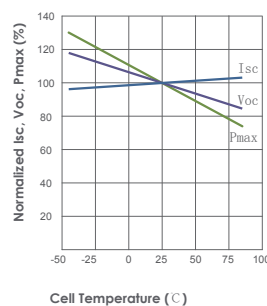
\*Power measurement tolerance: -/+3%

## Characteristics and Operating Temperature

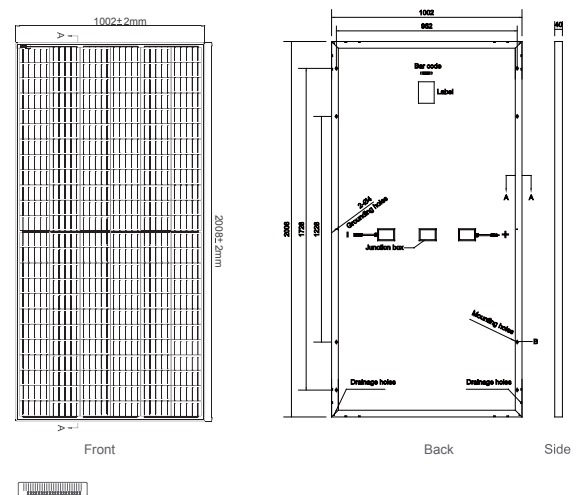
Current-Voltage Curve in Various Light Levels



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	2008/2010x1002x40mm
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 <sup>2</sup> 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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**Mamibot Manufacturing USA Inc.**

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