

Mysolar

STAR HC M144

PERC HALF CELL
MONO MODULE

385-395W

POSITIVE TOLERANCE 0~+6W
PERC HALF CELL MONO 144

New Energy, Smart Living

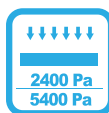


WHY MYSOLAR?



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.



1500V System Voltage

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



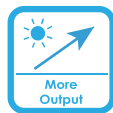
Positive Tolerance

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.



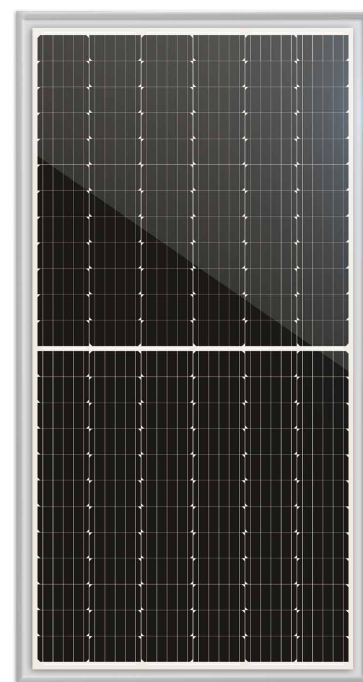
Higher Output

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



High Reliability

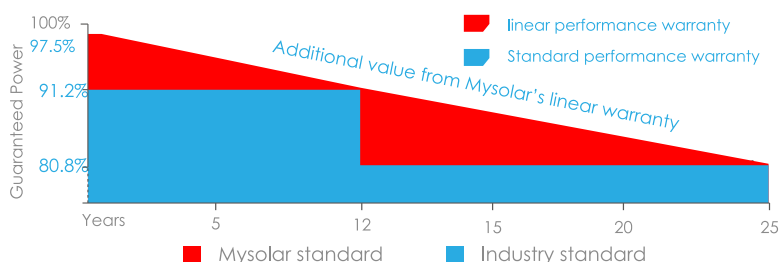
Mysolar has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of Mysolar panels were tested & minimally twice EL tests guaranteed.



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	MS385M-H	MS390M-H	MS395M-H
	STC	STC	STC
Maximum Power (Pmax)	385Wp	390Wp	395Wp
Maximum Power Voltage (Vmp)	40.00V	40.20V	40.40V
Maximum Power Current (Imp)	9.63A	9.71A	9.78A
Open-circuit Voltage (Voc)	48.80V	49.05V	49.28V
Short-circuit Current (Isc)	10.19A	10.29A	10.35A
Module Efficiency STC (%)	19.41%	19.66%	19.91%
Operating Temperature (°C)	-40°C~+85°C		
Maximum System Voltage	1500VDC (IEC)		
Maximum Series Fuse Rating	15A		
Power Tolerance	0~+6W		
Temperature Coefficients of Pmax	-0.39%/°C		
Temperature Coefficients of Voc	-0.29%/°C		
Temperature Coefficients of Isc	0.05%/°C		
Nominal Operating Cell Temperature (NOCT)	45±2°C		

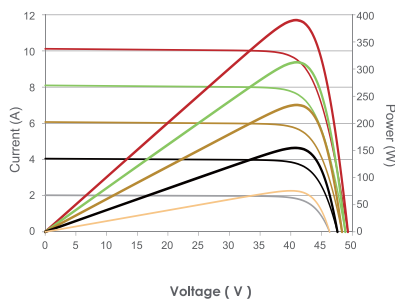
STC: Irradiance 1000W/sqm Cell Temp: 25 °C AM=1.5

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

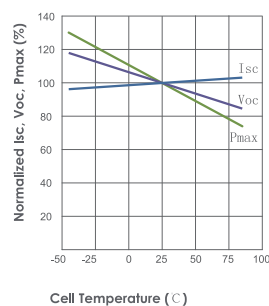
* Power measurement tolerance: -/+3%

Characteristics and Operating Temperature

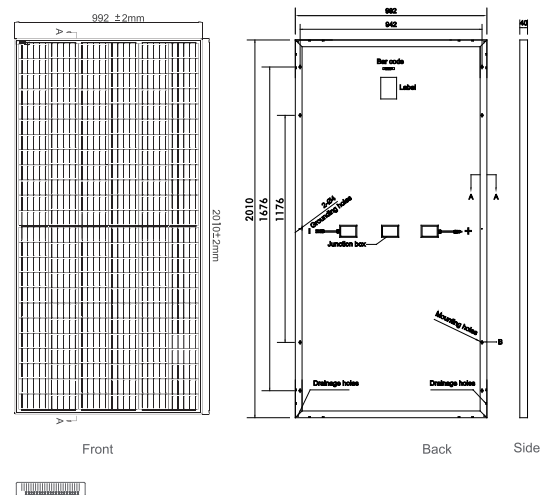
Current-Voltage Curve in Various Light Levels



Output in Various Temp Conditions

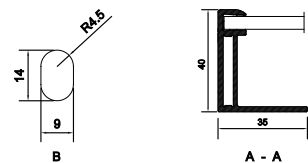


Mechanical Diagrams



Mechanical Characteristics

Cell Type	Mono PERC 156.75×78.375mm (5/6/9/12BB)
No. of cells	144 (6×12×6×12)
Dimensions	2010x992x40/2020x1002x40mm
Weight	22.2kg Approx
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	Cixi Tianyou PV-TY001, IP67, 3 diodes
Cable & Connector	4mm ² cable Cixi Tianyou PV-TY008/007



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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