

Mysolar

SUPO BIFACIAL M144B

PERC HALF CELL
MONO MODULE
390-410W Frameless

POSITIVE TOLERANCE 0~+6W
HALF CELL PERC MONO 144
New Energy, Smart Living

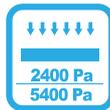


WHY MYSOLAR?



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.



1500V System Voltage

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



Dual Side Power Producing

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



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.



More Options for Solar Projects

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



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 30 years performance warranty for Bifacial solar modules.



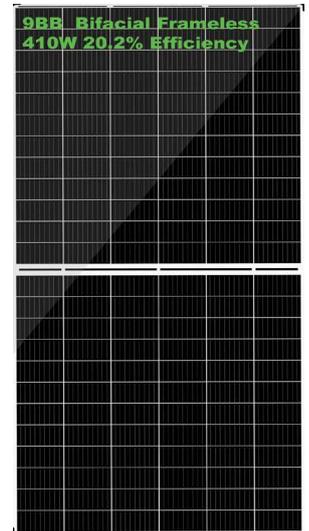
Higher Output

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



High Reliability

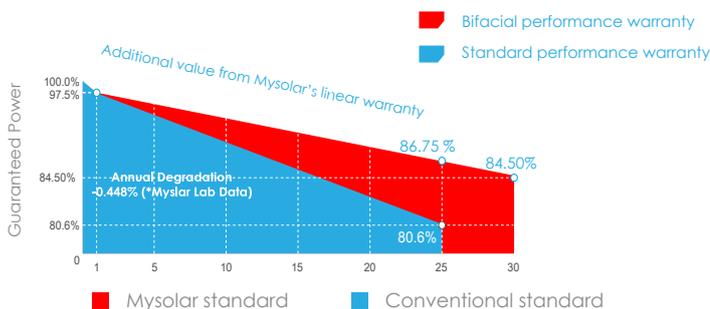
Mysolar has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of Mysolar panels were tested & minimumly twice EL tests guaranteed.



Made in China

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 30 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 (STC*)

Module Type	MS390M-DHBS	MS395M-DHBS	MS400M-DHBS	MS405M-DHBS	MS410M-DHBS
	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 (%)	19.20%	19.50%	19.70%	20.00%	20.20%
Operating Temperature (°C)	-40°C~+85°C				
Maximum System Voltage	1500VDC (IEC)				
Maximum Series Fuse Rating	20A				
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 Module Operating Temperature (NMOT)	42±2°C				

REAR SIDE POWER GAIN (BIFACIAL OUTPUT, FOR 390W)

Power Gain (Percentage)	10%	15%	20%	25%	30%
Maximum Power (Pmax)	415Wp	425Wp	440Wp	450Wp	465Wp
Maximum Power Voltage (Vmp)	40.24V	40.24V	40.25V	40.25V	40.25V
Maximum Power Current (Imp)	10.31A	10.56A	10.93A	11.18A	11.55A
Open-circuit Voltage (Voc)	48.74V	48.74V	48.75V	48.75V	48.75V
Short-circuit Current (Isc)	10.84A	11.10A	11.48A	11.73A	12.11A

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

NMOT* (Nominal Module Operating Temperature):

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

*Power measurement tolerance: -/+3%

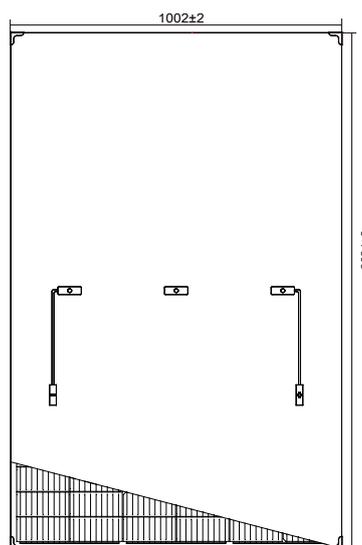
Mechanical Characteristics

Cell Type	Mono PERC 158.75×79.375mm (9/12BB)
No. of cells	144 (6×12×6×12)
Dimensions	2024×1002×6mm/2012*992*6mm
Weight	28.90/28.50KG
Glass	2.5mm Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Frameless
Junction Box	QC solar QC171721-abc/Sunter PV-ZH011C-2
Cable & Connector	4mm ² cable 300mm QC solar QC4.10-cd/Sunter PV PV-ZH202B

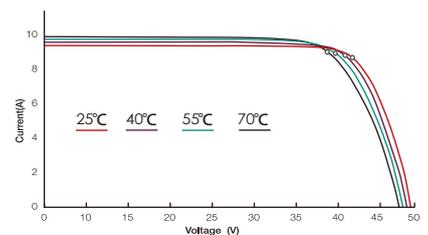
Packaging Info

(Two pallets = One stack)

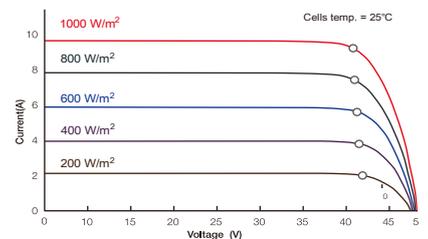
30pcs/pallet, 660pcs/40'HQ Container



I-V curve



I-V curve



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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