

# Mysolar

## SUPO SHINGLED 78SA

SUPER PERC MONO  
SHINGLED MODULE

455-475W

POSITIVE TOLERANCE 0~+6W  
PERC MONO

New Energy, Smart Living

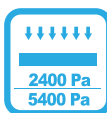


### WHY MYSOLAR?



#### 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 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 manufactured by Mysolar have 0~6W positive tolerance.



#### Confident Warranty

Mysolar offers 15 years limited product warranty and 30 years performance warranty for the Shingled panels.



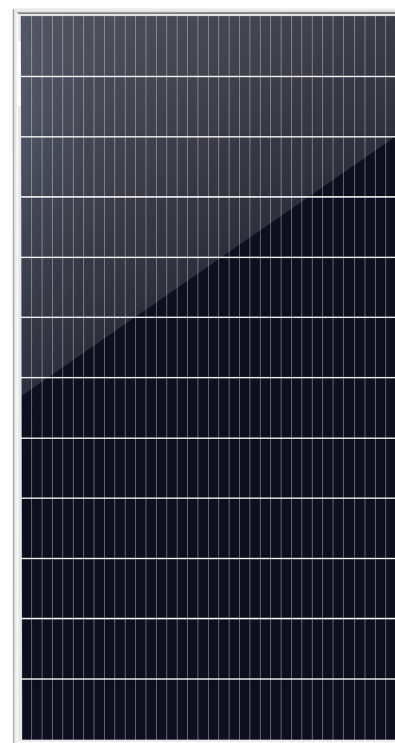
#### Higher Output

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



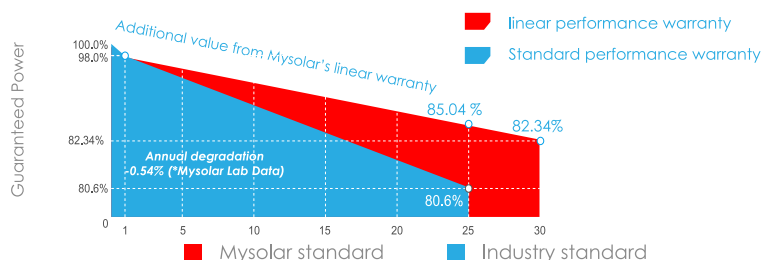
#### High Reliability

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.



### LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty · 30 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

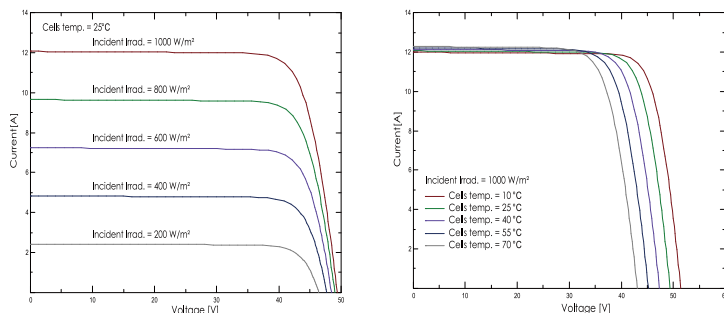
Module Type	MSxxxPM5-78SA, xxx=455-475W				
Maximum Power-Pm [W]	475	470	465	460	455
Open Circuit Voltage-Voc [V]	49.5	49.4	49.4	49.2	49.0
Short Circuit Current-Isc [A]	12.12	12.07	12.03	11.99	11.95
Maximum Power Voltage-Vm [V]	41.0	40.9	40.9	40.7	40.5
Maximum Power Current-Im [A]	11.59	11.49	11.37	11.30	11.23
Module Efficiency-η [%]	21.2	20.9	20.7	20.5	20.3
Operating Temperature (°C)	-40°C~+85°C				
Maximum System Voltage	1500VDC/1000VDC				
Maximum Series Fuse Rating	20A				
Power Tolerance	0~+6W				
Temperature Coefficients of Pmax	-0.34%/°C				
Temperature Coefficients of Voc	-0.27%/°C				
Temperature Coefficients of Isc	0.04 %/°C				
Nominal Operating Cell Temperature (NOCT)	45±2 °C (42.3±2°C in NMOT)				

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

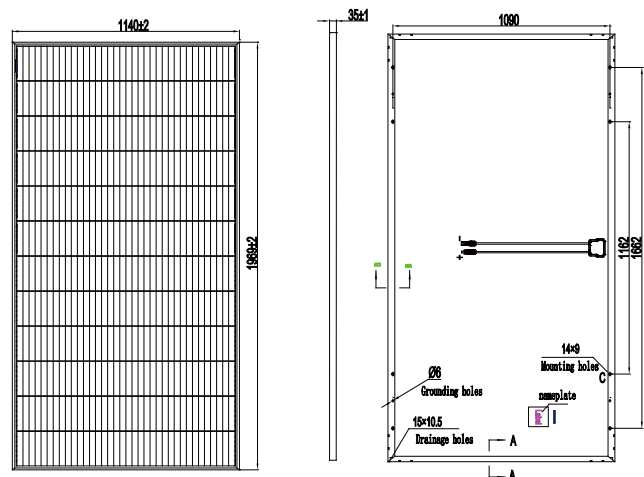
**NOCT:** Irradiance 800W/sqm Ambient Temp: 20 °C AM=1.5 Wind Speed 1m/s

\* Power measurement tolerance: -/+3%

## I-V Curve

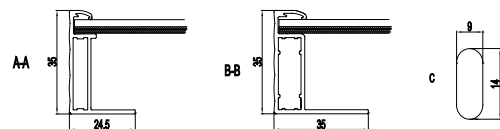


## Mechanical Diagrams



## Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm(6.25×6.25inch)
No. of cells	432 (36×12)
Dimensions	1969*1140*35mm
Weight	24.50kg Approx
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67/IP68, 3 diodes
Cable & Connector	4mm² cable MC4 compatible



## Packaging Info

(Two pallets = One stack)

31 pcs/pallet, 62 pcs/stack, 682 pcs/40'HQ Container, 248 pcs/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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