

# Mysolar

## PLATI SHINGLED 72SB

PLATI PERC MONO  
SHINGLED MODULE

480-500W

POSITIVE TOLERANCE 0~+6W  
PERC MONO

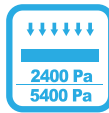
New Energy, Smart Living



### WHY MYSOLAR?



**ECA Tech**  
Mysolar SHINGLED panels use ECA (Electrically Conductive Adhesive) instead of Busbar that can reduce heat loss and micro-cracks



**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.



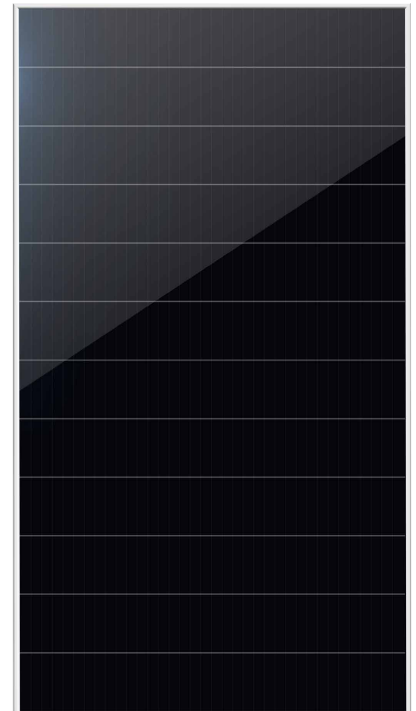
**Confident Warranty**  
Mysolar offers 30 years limited product warranty and 30 years performance warranty for the Shingled panels.



**Higher Output**  
With Shingled technology, and 1500V system voltage, super solar glass, Mysolar panels have higher output than its competitors'.

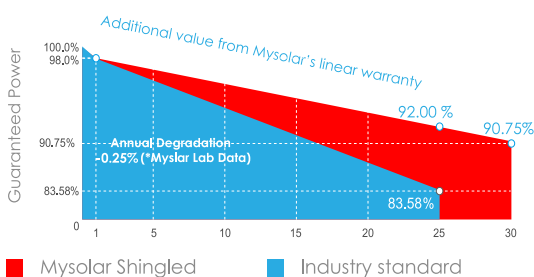


**High Reliability**  
Mysolar has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of Mysolar panels were tested & minimum twice EL tests guaranteed.



### LINEAR PERFORMANCE WARRANTY

30 Year Product Warranty · 30 Year Linear Power Warranty



- ISO9001:2015 Quality management systems
- ISO14001: 2015 Quality management systems
- ISO45001: 2018 Occupational health and safety management systems
- IEC61215, IEC61730, UL1703 certified product



# SPECIFICATIONS

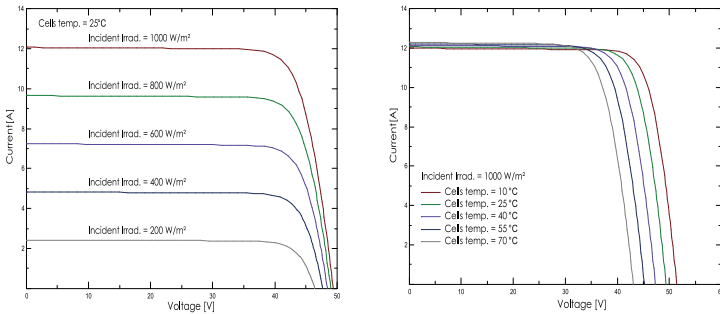
Module Type	<b>MSxxxPM5-72SB, xxx=480-500W</b>				
	STC	STC	STC	STC	STC
Maximum Power-Pm [W]	480Wp	485Wp	490Wp	495Wp	500Wp
Open Circuit Voltage-Voc [V]	46.50V	46.60V	46.70V	46.80V	46.90V
Short Circuit Current-Isc [A]	13.16A	13.22A	13.28A	13.34A	13.40A
Maximum Power Voltage-Vm [V]	38.80V	38.80V	38.90V	39.00V	39.10V
Maximum Power Current-Im [A]	12.37A	12.50A	12.60A	12.70A	12.80A
Module Efficiency-η [%]	20.50%	20.70%	20.90%	21.10%	21.30%
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

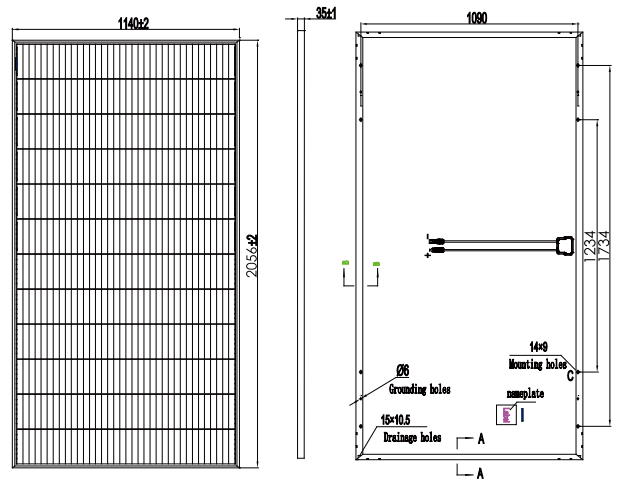
**NOCT:** Irradiance 800W/sqm Ambient Temp: 20°C AM=1.5 Wind Speed 1m/s

\* Power measurement tolerance: -/+3%

## I-V Curve

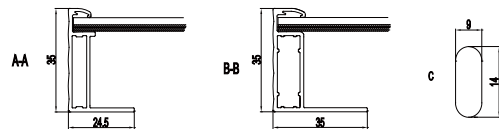


## Mechanical Diagrams



## Mechanical Characteristics

Cell Type	Mono PERC 166*166mm
No. of cells	408 (34×12)
Dimensions	2056*1140*35mm
Weight	25.00kg Approx
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67/IP68, 2 diodes, cable 1200mm
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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