

## GOLD SHINGLED 44SCF

GOLD PERC MONO SHINGLED MODULE

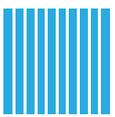
415-430W

POSITIVE TOLERANCE 0~+6W PERC MONO

New Energy, Smart Living



### WHY MYSOLAR?



**ECA Tech**  
Mysolar SHINGLED panel uses 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'.

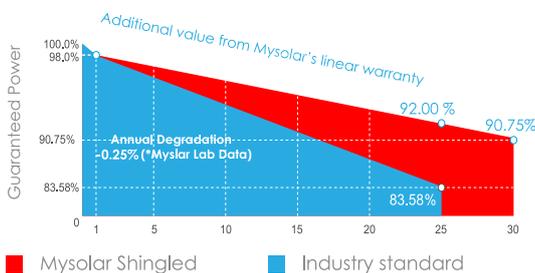


**High Reliability**  
Mysolar has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of Mysolar panels were tested & minimum twice EL tests guaranteed.



### 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

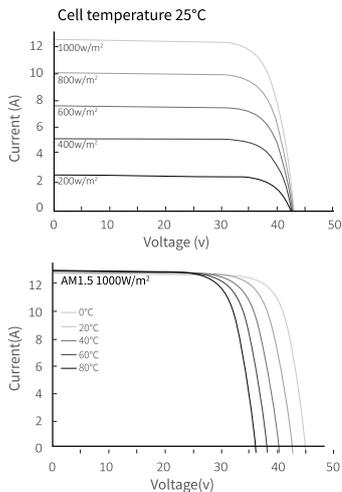
Module Type	MSxxxMB7-44SCF, xxx=415-430W			
	STC	STC	STC	STC
Maximum Power-Pm [W]	415Wp	420Wp	425Wp	430Wp
Open Circuit Voltage-Voc [V]	41.50V	41.60V	41.70V	41.80V
Short Circuit Current-Isc [A]	12.80A	12.92A	13.02A	13.05A
Maximum Power Voltage-Vm [V]	34.40V	34.50V	34.60V	34.70V
Maximum Power Current-Im [A]	12.08A	12.19A	12.30A	12.40A
Module Efficiency-η [%]	20.90%	21.10%	21.40%	21.70%
Operating Temperature (°C)	-40°C~+85°C			
Maximum System Voltage	1500VDC/1000VDC			
Maximum Series Fuse Rating	25A			
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

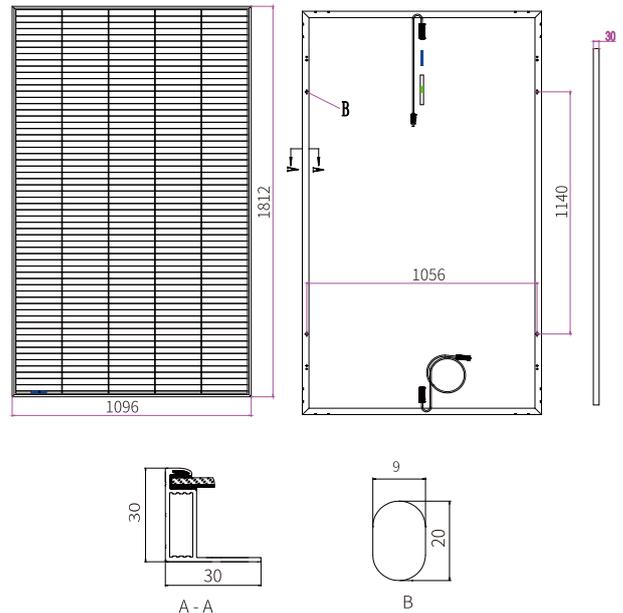
**NOCT:** Irradiance 800W/sqm Ambient Temp: 20 °C AM=1.5 Wind Speed 1m/s

\* Power measurement tolerance: -/+3%

## I-V Curve



## Mechanical Diagrams



## Mechanical Characteristics

Cell Type	Mono PERC 210×210mm
No. of cells	305 (61×5)
Dimensions	1812*1096*30mm
Weight	20.80kg +/-2%
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 2 diodes, cable +300mm/-1000mm
Cable & Connector	4mm² cable MC4 compatible

## Packaging Info

( Two pallets = One stack )

36pcs/pallet, 72 pcs/stack, 924pcs/40'HQ Container

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.**

www.mamibot.com Tel: 001 302 428 9888 sales@mamibot.com Head Office: Orange St. #600, Wilmington, New Castle, 19899, Delaware, USA

**Manufacturer: Mysolar Manufacturing (Shanghai) Co., Ltd.**

www.imysolar.com Tel: 0086 21 62147369 North Part, 21ST Fl, No.1, LN1040, Caoyang Rd, Putuo Dist, Shanghai, P.R.C.