

Mysolar

GOLD SHINGLED 46SC

GOLD PERC MONO SHINGLED MODULE

430-445W

POSITIVE TOLERANCE 0~+6W PERC MONO

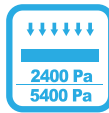
New Energy, Smart Living



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.



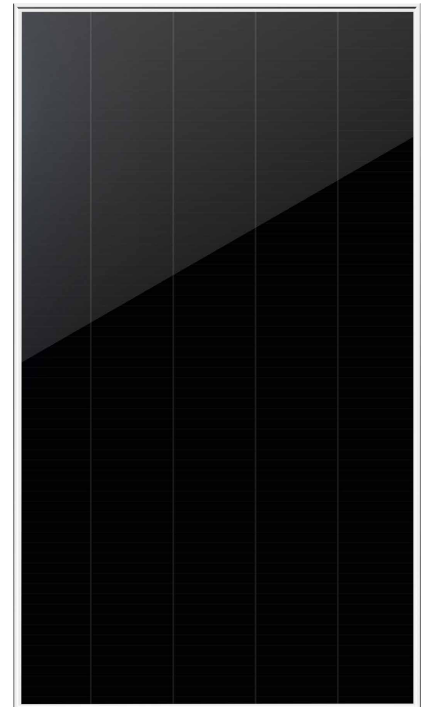
Confident Warranty
Mysolar offers 30 years limited product warranty and 30 years performance warranty for the Shingled panels.



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

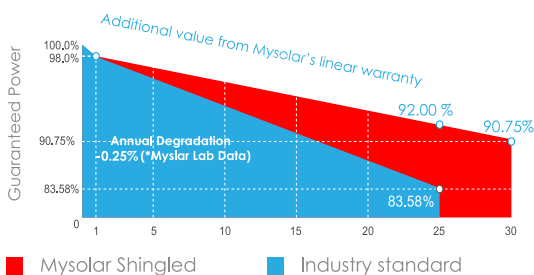


High Reliability
Mysolar has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of Mysolar panels were tested & minimumly twice EL tests guaranteed.



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

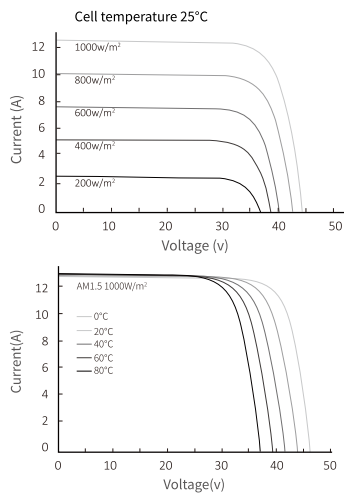
Module Type	MSxxxMB7-46SC, xxx=430-445W			
	STC	STC	STC	STC
Maximum Power-Pm [W]	430Wp	435Wp	440Wp	445Wp
Open Circuit Voltage-Voc [V]	43.50V	43.60V	43.70V	43.80V
Short Circuit Current-Isc [A]	12.68A	12.79A	12.92A	13.01A
Maximum Power Voltage-Vm [V]	36.10V	36.20V	36.30V	36.40V
Maximum Power Current-Im [A]	11.92A	12.02A	12.14A	12.23A
Module Efficiency-η [%]	20.70%	20.90%	21.10%	21.40%
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

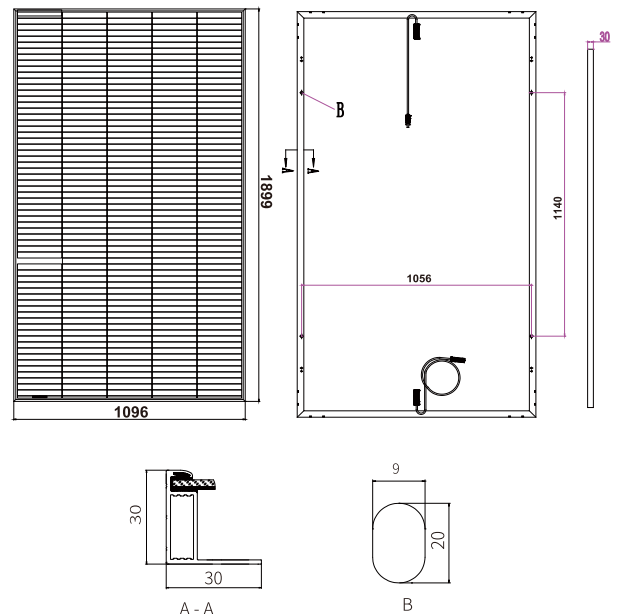
NOCT: Irradiance 800W/sqm Ambient Temp: 20 °C AM=1.5 Wind Speed 1m/s

* Power measurement tolerance: -/+3%

I-V Curve



Mechanical Diagrams



Mechanical Characteristics

Cell Type	Mono PERC 210×210mm
No. of cells	320 (64×5)
Dimensions	1899*1096*30mm
Weight	21.80kg +/-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, 864pcs/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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