

# WHY MYSOLAR?



#### **MBB Solar Cells**

Mysolar panels have multi-busbars that can reduce current heat loss of the cells and increas the current collection ability



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



## **Confident Warranty**

Mysolar offers 25 years limited product warranty and 30 years performance warranty for Bifacial solar modules.



## **Dual Side Power Producing**

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



## **Higher Output**

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



## High Reliablity

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.



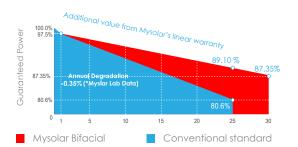
# More Options for Solar Projects

More possible purposes like vertical installations, BIPV's, areas of high humidity,

strong wind/snow, and deserts

# LINEAR PERFORMANCE WARRANTY

25 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

















<b>SPECIFICATIONS</b>	(STC*)				
Module Type	MS460M-DHBA	MS455M-DHBA	MS450M-DHBA	MS445M-DHBA	MS440M-DHBA
	STC NMOT	STC NMOT	STC NMOT	STC NMOT	STC NMOT
Maximum Power (Pmax)	460W 347.1W	455W 343.5W	450W 340.0W	445W 336.3W	440W 332.6W
Maximum Power Voltage (Vmp)	35.04V 32.7V	34.90V 32.4V	34.73V 32.2V	34.58V 32.0V	34.41V 31.8V
Maximum Power Current (Imp)	13.13A 10.70A	13.04A 10.63A	12.96A 10.58A	12.87A 10.53A	12.79A 10.47A
Open-circuit Voltage (Voc)	41.54V 39.3V	41.36V 39.1V	41.20V 38.8V	41.04V 38.7V	40.91V 38.5V
Short-circuit Current (Isc)	14.02A 11.22A	13.95A 11.18A	13.87A 11.13A	13.79A 11.08A	13.70A 11.02A
Module Efficiency STC (%)	21.4%	21.2%	20.9%	20.7%	20.5%
OperatingTemperature (°C)			-40°C~+85°C		
Maximum Sys tem Voltage			1500VDC (IEC)		
Maximum Series Fuse Rating			30A		
Power Tolerance			0~+6W		
Temperature Coefficients of Pmax			-0.360%/°C		
Temperature Coefficients of Voc			-0.304%/°C		
Temperature Coefficients of Isc			0.050%/℃		
Nominal Module Operating Tempe	erature (NMOT)		42±2°C		

REARSIDE POWER GAIN (BIFACIAL OUTPUT FOR MS450M-DHBA 450W)						
Power Gain	5%	10%	15%	20%	25%	
Maximum Power (Pmax)	472Wp	495Wp	517Wp	540Wp	562Wp	
Maximum Power Voltage (Vmp)	34.89V	34.89	34.89V	34.88V	34.88V	
Maximum Power Current (Imp)	13.59A	14.23A	14.88A	15.52A	16.18A	
Open-circuit Voltage (Voc)	41.34V	41.34V	41.33V	41.33V	41.33V	

15.86A

16.55A

**NMOT\*** (Nominal Module Operating Temperature): Irradiance 800W/sqm, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

15.17A

14.48A

## **Mechanical Characteristics**

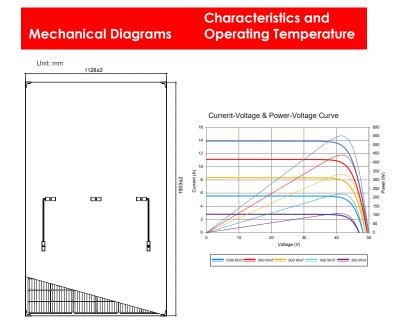
Short-circuit Current (Isc)

Cell Type	Mono PERC 182×91mm			
No. of cells	120 (6×10+6x10)			
Dimensions	1903±2 x1128±2 x5±1 mm			
Weight	24.50KG ±2%			
Glass	2.0mm Anti-Reflection Coating, High Transmission, Tempered Glass			
Frame	Anodized aluminium alloy			
Junction Box IP6	8 Rated, 3 diodes, 300mm cable/Customized			
Cable & Connector	4mm² (IEC),12 AWG(UL) MC4 compatible			

## Packaging Info

(Two pallets = One stack)

31pcs/pallet, 744pcs/40'HQ Container



17.24A

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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<sup>\*</sup>Power measurement tolerance: -/+3%