

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



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 1500V and reduces BoS cost greatly.



No LID & Better PID Resistant

NZero B-O band on N-type cells results in Zero LID and a better PID resistance to the modules.



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 N-type bifacial panels have up to 85% bifaciality, generates up to 25.5% 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.

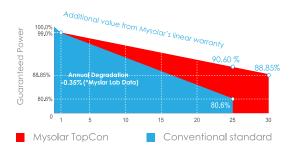


More Options for Solar Projects

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











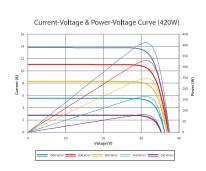
SPECIFICATIONS (STC*) Module Type MS420N-DHBA MS425N-DHBA MS430N-DHBA MS435N-DHBA MS440N-DHBA STC STC STC STC STC Maximum Power (Pmax) 420W 440W 425W 430W 435W Maximum Power Voltage (Vmp) 31.51V 31.70V 31.89V 32.08V 32.27V Maximum Power Current (Imp) 13.33A 13.57A 13.65A 13.41A 13.49A Open-circuit Voltage (Voc) 38.11V 38.30V 38.49V 38.68V 38.87V Short-circuit Current (Isc) 14.31A 14.39A 14.07A 14.15A 14.23A Module Efficiency STC (%) 21.70% 21.96% 22.47% 22.73% 22.21% Operating Temperature (°C) -40°C~+85°C Maximum System Voltage 1500VDC (IEC) Maximum Series Fuse Rating 30A Power Tolerance 0~+6W Temperature Coefficients of Pmax -0.290%/°C Temperature Coefficients of Voc -0.250%/°C Temperature Coefficients of Isc 0.045%/°C Nominal Module Operating Temperature (NMOT) 42±2°C

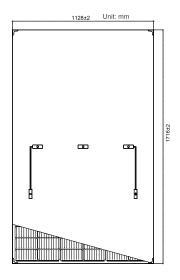
REARSIDE POWER GAIN (BIFACIAL OUTPUT FOR MS440N-DHBA 440W)						
Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power (Pmax)	462Wp	484Wp	506Wp	528Wp	550Wp	572Wp
Maximum Power Voltage (Vmp)	32.27V	32.27V	32.27V	32.27V	32.40V	32.40V
Maximum Power Current (Imp)	14.33A	15.01A	15.70A	16.38A	17.06A	17.74A
Open-circuit Voltage (Voc)	38.87V	38.87V	38.87V	38.97V	38.97V	38.97V
Short-circuit Current (Isc)	14.48A	15.17A	15.86A	16.55A	17.24A	18.70A

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

Mechanical Characteristics

Cell Type	N-TYPE TopCon 182×91mm		
No. of cells	108 (6×9+6×9)		
Dimensions	1716±2 x1128±2 x5±1 mm		
Weight	22.0KG ±2%		
Glass	2.0mm Anti-Reflection Coating, High Transmission, Tempered Glass		
Frame	Anodized aluminium alloy		
Junction Box	IP68 Rated, 3 diodes		
Cable & Connector	4mm² (IEC),12 AWG(UL) 400mm(+)/200mm(or customized, MC4 compatible		





Packaging Info

(Two pallets = One stack)

36pcs/pallet, 936pcs/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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^{*}Power measurement tolerance: -/+3%