

A&X N-TYPE TopCon

430-450W Solar Module Bifacial **Frameless** N108

POSITIVE TOLERANCE 0~+6W
HALF CELL MONO 108

New Energy, Smart Living

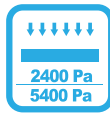


WHY MYSOLAR?



MBB Solar Cells

Mysolar panels have multi-busbars that can reduce current heat loss of the cells and increase 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 reduce 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.



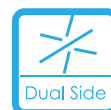
Positive Tolerance

Mysolar guarantees that all solar modules manufactured 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 conventional panels.



Higher Output

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



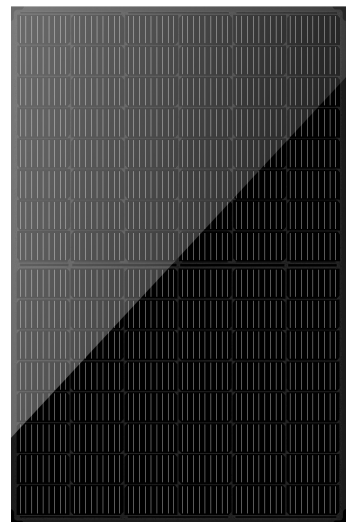
High Reliability

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



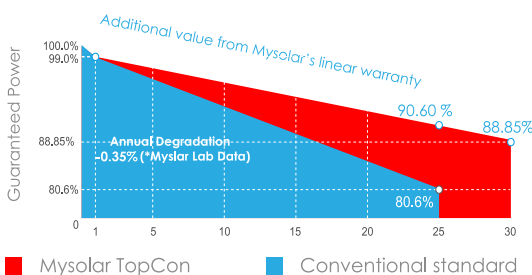
More Options for Solar Projects

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	MS430N-DHBAX	MS435N-DHBAX	MS440N-DHBAX	MS445N-DHBAX	MS450N-DHBAX
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	430W	435W	440W	445W	450W
Maximum Power Voltage (Vmp)	32.12V	32.29V	32.47V	32.65V	32.82V
Maximum Power Current (Imp)	13.39A	13.47A	13.55A	13.63A	13.71A
Open-circuit Voltage (Voc)	38.50V	38.70V	38.90V	39.10V	39.30V
Short-circuit Current (Isc)	14.14A	14.23A	14.31A	14.40A	14.48A
Module Efficiency STC (%)	21.52%	21.80%	22.02%	22.28%	22.53%
Operating Temperature (°C)	-40°C~+85°C				
Maximum System Voltage	1500VDC (IEC)				
Maximum Series Fuse Rating	25A				
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				

REAR SIDE POWER GAIN (BIFACIAL OUTPUT FOR MS440N-DHBAX 440W)

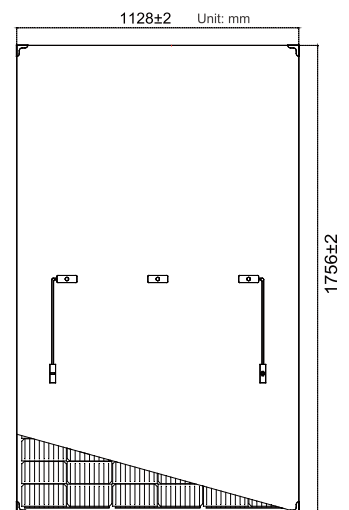
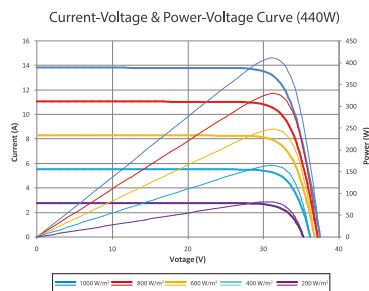
Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power (Pmax)	462Wp	484Wp	506Wp	528Wp	550Wp	572Wp
Maximum Power Voltage (Vmp)	32.47V	32.47V	32.47V	32.47V	32.47V	32.47V
Maximum Power Current (Imp)	14.22A	14.90A	15.58A	16.26A	16.93A	17.61A
Open-circuit Voltage (Voc)	38.90V	38.90V	38.90V	38.90V	38.90V	38.90V
Short-circuit Current (Isc)	15.03A	15.74A	16.46A	17.17A	17.89A	18.60A

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

*Power measurement tolerance: -/+3%

Mechanical Characteristics

Cell Type	N-type TopCon 186.75×91mm
No. of cells	108 (6×9+6×9)
Dimensions	1756±2 x 1128±2 x 5±1 mm
Weight	21.60KG ±2%
Glass	2.0mm Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	IP68 Rated, 3 diodes
Cable & Connector	4mm ² (IEC), 1200mm(+)/1200mm(-) or Customized. MC4 compatible



Packaging Info

(Two pallets = One stack)

36pcs/pallet, 792pcs/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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