

A&X N-Type TopCon Bifacial

435-460W Solar Module Dual-Glass Framed 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 designed for 1500V system, ensuring full compatibility and greatly reducing BoS cost.



No LID & Better PID Resistance

Zero 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, generating up to 25.5% more energy yield than conventional panels.



Higher Output

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



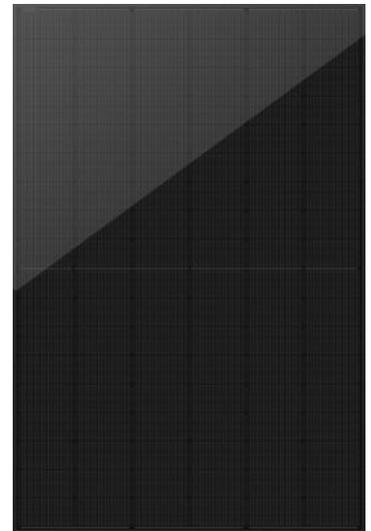
High Reliability

Mysolar has complete facilities for UV, TC, HF, EL, and other tests. Every Mysolar panel is 100% tested & minimally twice EL tests guaranteed.



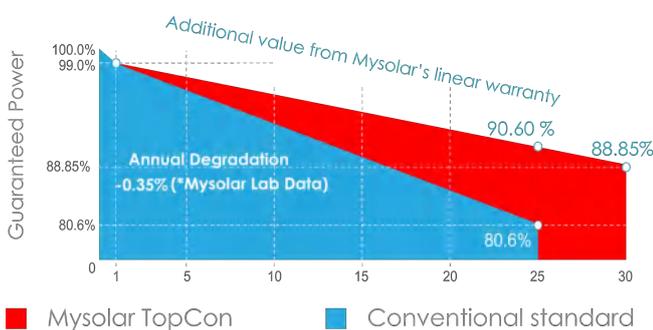
More Options for Solar Projects

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



ELECTRICAL CHARACTERISTICS AT STC (*)

Module Type	MSxxxN-DHBAX (xxx=435~460)					
Maximum Power (Pmax)	435W	440W	445W	450W	455W	460W
Open-Circuit Voltage (Voc)	38.70V	38.90V	39.10V	39.30V	39.50V	39.70V
Short-Circuit Current (Isc)	14.23A	14.31A	14.40A	14.48A	14.56A	14.64A
Voltage at Maximum Power (Vmp)	32.28V	32.48V	32.65V	32.83V	33.00V	33.17V
Current at Maximum Power (Imp)	13.48A	13.55A	13.63A	13.71A	13.79A	13.87A
Module Efficiency (%)	21.77	22.02	22.27	22.52	22.77	23.02
Operating Temperature(°C)	-40°C to +85°C					
Maximum System Voltage	1500V DC					
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					

REARSIDE POWER GAIN (BIFACIAL OUTPUT, for 440W)

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power (Pmax)	462W	484W	506W	528W	550W	572W
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	17.88A	18.60A
Voltage at Max Power (Vmp)	32.48V	32.48V	32.48V	32.48V	32.48V	32.48V
Current at Maximum Power (Imp)	14.23A	14.91A	15.58A	16.26A	16.94A	17.62A

NMOT* (Nominal Module Operating Temperature):
Irradiance 800W/sqm, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s
*Power measurement tolerance: -/+3%

Drawing Unit:mm

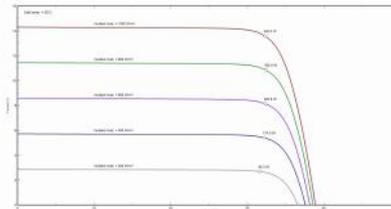
Mechanical Characteristics

Cell Type	N-type TopCon 186.75×91mm
No. of Cells	108 (6×9+6×9)
Dimensions	1762×1134×30mm
Weight	22.60KG ±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 Cable: 300mm(+)/300mm(-) or customized. MC4 compatible

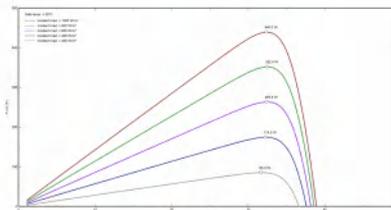
Packaging Info

36/37pcs/pallet, 936/962pcs/40'HQ Container

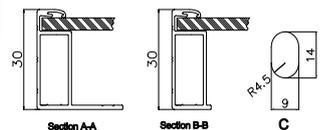
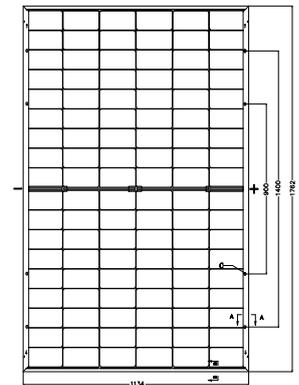
I-V Curve Module : MS440N-DHBAX



Current-Voltage Curves at Different Irradiances



Power-Voltage Curves at Different Irradiances



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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