



ALTRA N-Type TopCon

560-580W Solar Module Mono-facial Framed N144

POSITIVE TOLERANCE 0~+6W
HALF CELL MONO 144

New Energy, Smart Living

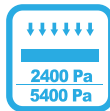


WHY MYSOLAR?



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 TopCon mono-facial panels are designed compatible with the 1000V/1500V system voltage, which can 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 resistant.



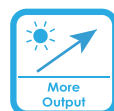
Positive Tolerance

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.



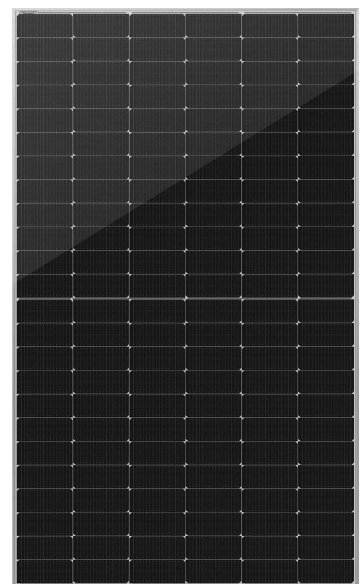
Higher Output

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



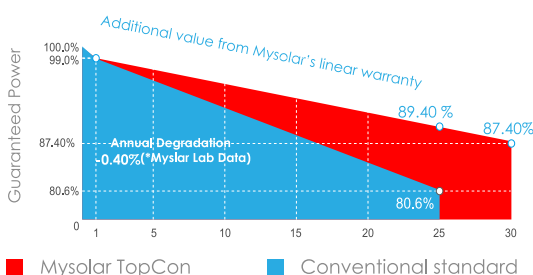
High Reliability

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



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	MS560N-HA	MS565N-HA	MS570N-HA	MS575N-HA	MS580N-HA
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	560Wp	565Wp	570Wp	575Wp	580Wp
Maximum Power Voltage (Vmp)	41.77V	41.92V	42.07V	42.22V	42.37V
Maximum Power Current (Imp)	13.41A	13.48A	13.55A	13.63A	13.70A
Open-circuit Voltage (Voc)	50.47V	50.60V	50.74V	50.88V	51.02V
Short-circuit Current (Isc)	14.15A	14.23A	14.31A	14.39A	14.47A
Module Efficiency STC (%)	21.70%	21.90%	22.10%	22.26%	22.45%
Operating Temperature (°C)	-40°C~+85°C				
Maximum System Voltage	1500/1000VDC (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				

ELECTRICAL DATA (NMOT*)

Module Type	MS560N-HA	MS565N-HA	MS570N-HA	MS575N-HA	MS580N-HA
Maximum Power at NMOT (Pmax)	421.2Wp	424.9Wp	428.7Wp	432.5Wp	436.2Wp
Maximum Power Voltage (Vmp)	39.30V	39.40V	39.50V	39.60V	39.70V
Maximum Power Current (Imp)	10.73A	10.79A	10.85A	10.91A	10.97A
Open-circuit Voltage (Voc)	47.90V	48.10V	48.20V	48.30V	48.40V
Short-circuit Current (Isc)	11.42A	11.49A	11.55A	11.62A	11.68A

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

*Power measurement tolerance: -/+3%

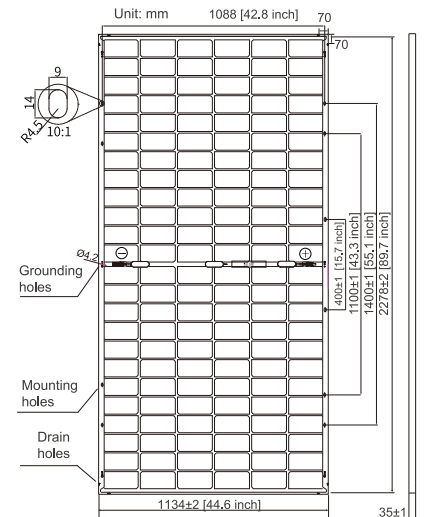
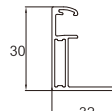
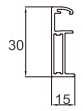
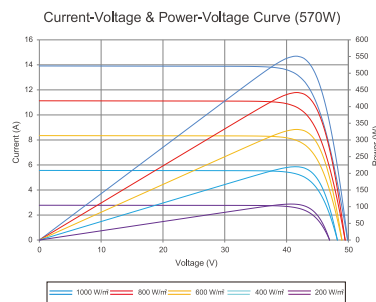
Mechanical Characteristics

Cell Type	N-type TopCon 182×91mm
No. of cells	144 (6×12+6×12)
Dimensions	2278×1134×35mm
Weight	28.00KG ±2%
Glass	3.2mm Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	IP68 Rated, 3 diodes
Cable & Connector	4mm ² cable: 400mm(+)/200mm(-) or customized, MC4 compatible

Packaging Info

(Two pallets = One stack)

31pcs/pallet, 620pcs/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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