



G&A N-Type TopCon Bifacial

590-610W Solar Module Dual-Glass Framed N132

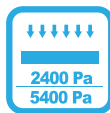
POSITIVE TOLERANCE 0~+6W
HALF CELL MONO 132
New Energy, Smart Living

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

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.



Positive Tolerance

Mysolar guarantees that all solar modules manufactured by Mysolar have 0~6W positive tolerance.



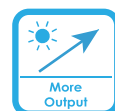
Confident Warranty

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'.



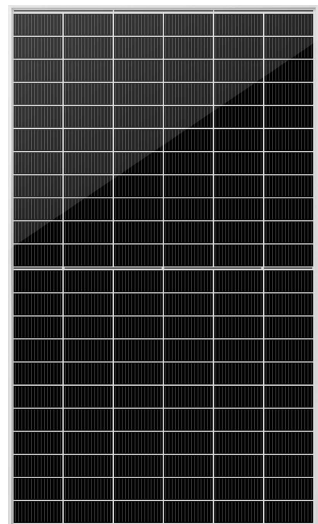
High Reliability

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



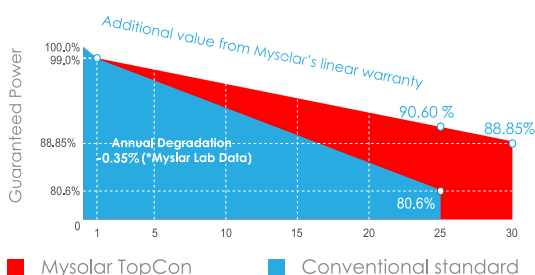
More Options for Solar Projects

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	MS590N-DHBGA	MS595N-DHBGA	MS600N-DHBGA	MS605N-DHBGA	MS610N-DHBGA
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	590Wp	595Wp	600Wp	605Wp	610Wp
Maximum Power Voltage (Vmp)	39.68V	39.80V	39.91V	40.06V	40.18V
Maximum Power Current (Imp)	14.87A	14.95A	15.02	15.09A	15.16A
Open-circuit Voltage (Voc)	47.51V	47.68V	47.86V	48.06V	48.26V
Short-circuit Current (Isc)	15.59A	15.75A	15.81A	15.88A	15.94A
Module Efficiency STC (%)	21.82%	22.01%	22.19%	22.38%	22.53%
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	-0.300%/°C				
Temperature Coefficients of Voc	-0.260%/°C				
Temperature Coefficients of Isc	0.046%/°C				
Nominal Module Operating Temperature (NMOT)	42±2°C				

REARSIDE POWER GAIN (BIFACIAL OUTPUT, for 610W)

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power (Pmax)	640.5Wp	671Wp	701.5Wp	732Wp	762.5Wp	793Wp
Maximum Power Voltage (Vmp)	40.18V	40.18V	40.18V	40.19V	40.19V	40.19V
Maximum Power Current (Imp)	15.92A	16.68A	17.43A	18.20A	18.95A	19.70A
Open-circuit Voltage (Voc)	48.26V	48.26V	48.26V	48.26V	48.26V	48.26V
Short-circuit Current (Isc)	16.74A	17.53A	18.33A	19.13A	19.93A	20.72A

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

*Power measurement tolerance: -/+3%

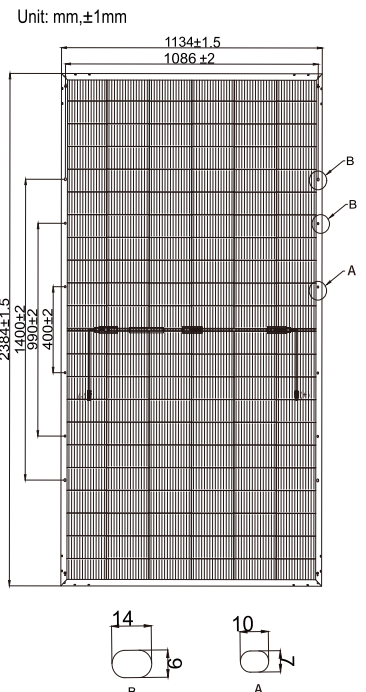
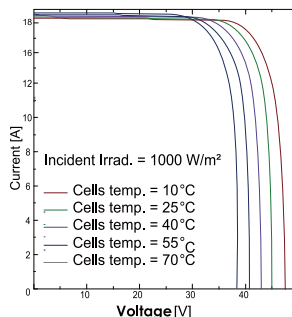
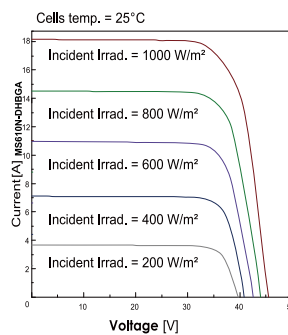
Mechanical Characteristics

Cell Type	N-type TopCon 210×91mm
No. of cells	132 (6×11+6×11)
Dimensions	2382×1134×30mm
Weight	32.50KG ±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

(Two pallets = One stack)

36pcs/pallet, 648pcs/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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