



G&A N-Type TopCon Bifacial

610-640W 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 designed for 1500V system, ensuring full compatible 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.



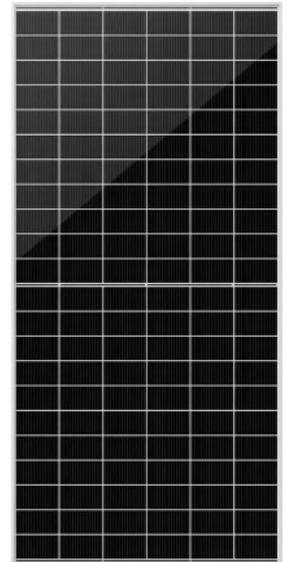
High Reliability

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



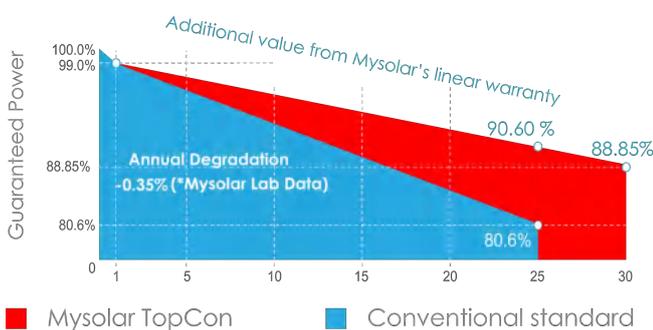
More Options for Solar Projects

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-DHBGA (xxx=610~640)						
Maximum Power (Pmax)	610W	615W	620W	625W	630W	635W	640W
Open-Circuit Voltage (Voc)	48.26V	48.46V	48.66V	48.86V	49.06V	49.26V	49.46V
Short-Circuit Current (Isc)	15.94A	16.00A	16.06A	16.12A	16.18A	16.24A	16.30A
Voltage at Maximum Power (Vmp)	40.16V	40.28V	40.42V	40.56V	40.68V	40.79V	40.90V
Current at Maximum Power (Imp)	15.19A	15.27A	15.34A	15.41A	15.49A	15.57A	15.65A
Module Efficiency (%)	22.58	22.77	22.95	23.14	23.32	23.51	23.69
Operating Temperature(°C)	-40°C to +85°C						
Maximum System Voltage	1500V DC						
Maximum Series Fuse Rating	30A						
Power Tolerance	0~+6W						
Temperature Coefficients of Pmax	-0.280%/°C						
Temperature Coefficients of Voc	-0.250%/°C						
Temperature Coefficients of Isc	0.046%/°C						
Nominal Module Operating Temperature (NMOT)	42±2°C						

REAR SIDE POWER GAIN (BIFACIAL OUTPUT, for 610W)

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power (Pmax)	641W	671W	702W	732W	763W	793W
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
Voltage at Max Power (Vmp)	40.16V	40.16V	40.16V	40.16V	40.16V	40.16V
Current at Maximum Power (Imp)	15.97A	16.71A	17.49A	18.23A	19.00A	19.75A

NMOT* (Nominal Module Operating Temperature):

Irradiance 800W/sqm, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

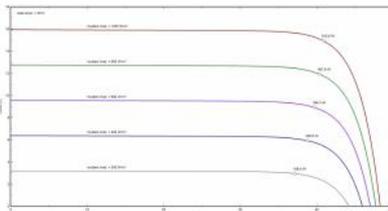
*Power measurement tolerance: -/+3%

Drawing Unit:mm

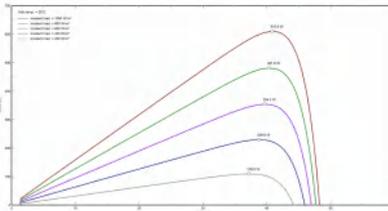
Mechanical Characteristics

Cell Type	N-type TopCon 182×105mm
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

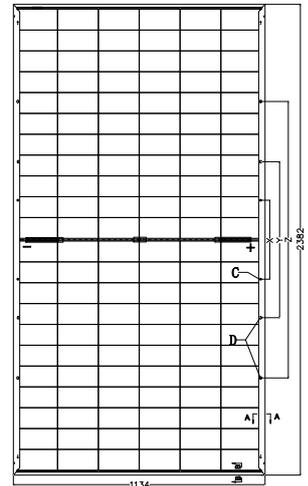
I-V Curve Module : MS610N-DHBGA



Current-Voltage Curves at Different Irradiances

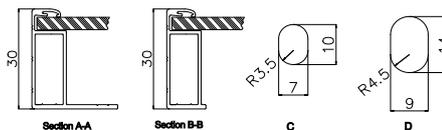


Power-Voltage Curves at Different Irradiances



Packaging Info

36/37pcs/pallet, 720/740pcs/40'HQ Container



1:X=400,Y=0, Z=1400
2:X=400,Y=790,Z=1400

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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