



GOLD N-Type HJT BIFACIAL

635-655W SOLAR MODULE FRAMED N120

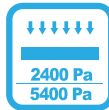
POSITIVE TOLERANCE 0~+6W
HALF CELL N-TYPE HJT
New Energy, Smart Living

WHY MYSOLAR HJT?



SMBB HJT CELLS

Mysolar's HJT SMBB technology reduces current heat loss of cells and increases the module efficiency to 23.17% in mass production



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 reduces BoS cost greatly.



No LID, no PID

Zero B-O band on N-type HJT cells results in zero LID to the modules. TCO Surface layers on the HJT avoid PID 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.



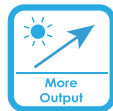
Confident Warranty

Mysolar offers 30 years limited product warranty and 30 years performance warranty for the Shingled and HJT panels.



Dual Side Power Producing

Mysolar HJT bifacial panels have up to 95% bifaciality, generate up to 25.5% more energy yield



Higher Output

With the Patented HJT technology, Mysolar's panels have up to 710W output, much higher than its competitors'.



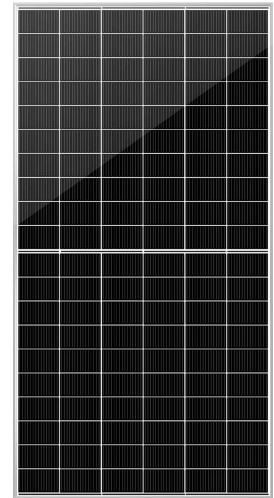
High Reliability

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.



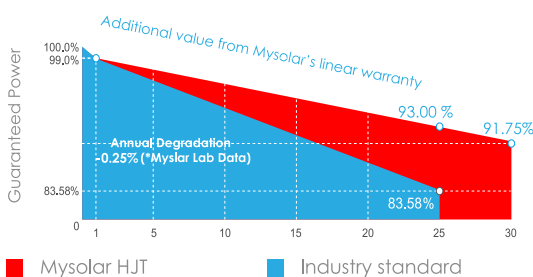
More Options for Solar Projects

More possible purposes like vertical installations, BIPV's, areas of high humidity, strong wind/snow, and deserts



LINEAR PERFORMANCE WARRANTY

30 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	MS635NB-HJTGB	MS640NB-HJTGB	MS645NB-HJTGB	MS650NB-HJTGB	MS655NB-HJTGB
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	635Wp	640Wp	645Wp	650Wp	655Wp
Maximum Power Voltage (Vmp)	38.19V	38.35V	38.51V	38.67V	38.83V
Maximum Power Current (Imp)	16.63A	16.69A	16.75A	16.81A	16.87A
Open-circuit Voltage (Voc)	45.48V	45.66V	45.84V	46.02V	46.20V
Short-circuit Current (Isc)	17.43A	17.50A	17.57A	17.64A	17.71A
Module Efficiency STC (%)	22.44%	22.61%	21.91%	22.08%	22.26%
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	-0.260%/°C				
Temperature Coefficients of Voc	-0.240%/°C				
Temperature Coefficients of Isc	0.040%/°C				
Nominal Module Operating Temperature (NMOT)	42.30±2°C				

REAR SIDE POWER GAIN (BIFACIAL OUTPUT, FOR 630W)

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power (Pmax)	661.5Wp	693.0Wp	724.5Wp	756.0Wp	787.5Wp	819Wp
Maximum Power Voltage (Vmp)	38.03V	38.03V	38.03V	38.03V	38.10V	38.10V
Maximum Power Current (Imp)	17.40A	18.23A	19.05A	19.88A	20.67A	21.54A
Open-circuit Voltage (Voc)	45.30V	45.30V	45.30V	45.30V	45.40V	45.40V
Short-circuit Current (Isc)	18.24A	19.10A	19.97A	20.84A	21.71A	22.58A

NMOT* (Nominal Module Operating Temperature):

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

*Power measurement tolerance: -/+3%

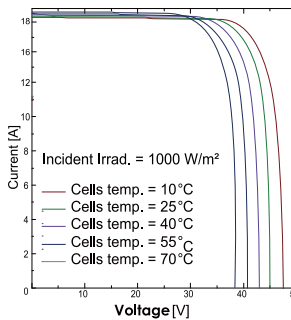
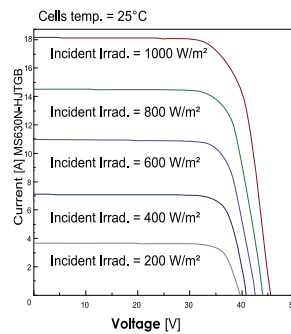
Mechanical Characteristics

Cell Type	N-type HJT 210×210mm
No. of cells	120 (6*20)
Dimensions	2172×1303×35mm (±1mm)
Weight	35.20KG ±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: +1.4m/-1.4m or Customized MC4 compatible

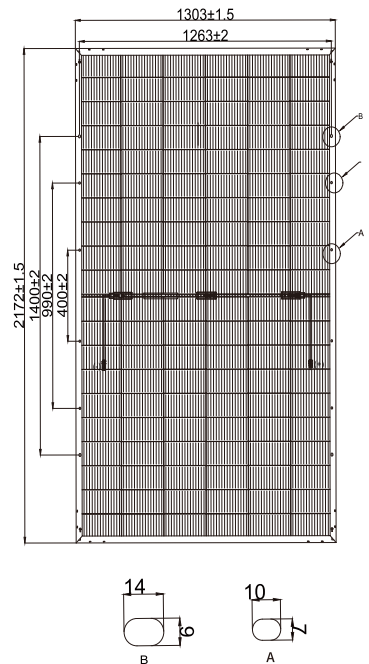
Packaging Info

(Two pallets = One stack)

31 pcs/pallet, 620 pcs/40'HQ Container



Unit: mm, ±1mm



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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