



# GOLD N-Type HJT BIFACIAL

## 620-640W SOLAR MODULE FRAMED N120

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

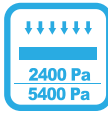


### WHY MYSOLAR?



#### 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 reduces BoS cost greatly.



#### PID-Resistant

Mysolar panels are PID-resistant which were tested to the industry's most rigorous durability standards in accordance to IEC 62804.



#### 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 panels.



#### Dual Side Power Producing

Mysolar HJT bifacial panels have up to 85% bifaciality, generates 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'.



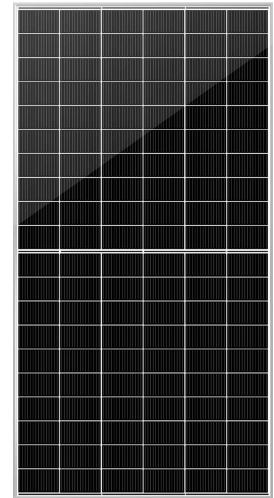
#### High Reliability

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



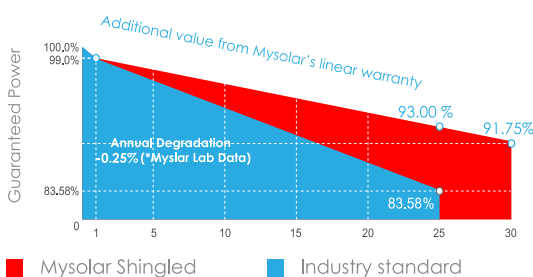
#### More Options for Solar Projects

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



### LINEAR PERFORMANCE WARRANTY

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	MS620N-HJTGB	MS625N-HJTGB	MS630N-HJTGB	MS635N-HJTGB	MS640N-HJTGB
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	620Wp	625Wp	630Wp	635Wp	640Wp
Maximum Power Voltage (Vmp)	37.69V	37.86V	38.03V	38.19V	38.35V
Maximum Power Current (Imp)	16.45A	16.51A	16.57A	16.63A	16.69A
Open-circuit Voltage (Voc)	44.95V	45.13V	45.30V	45.48V	45.66V
Short-circuit Current (Isc)	17.25A	17.31A	17.37A	17.43A	17.50A
Module Efficiency STC (%)	21.91%	22.08%	22.26%	22.44%	22.61%
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	20.07A	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%

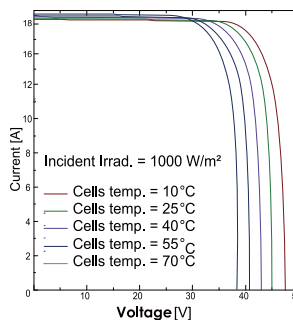
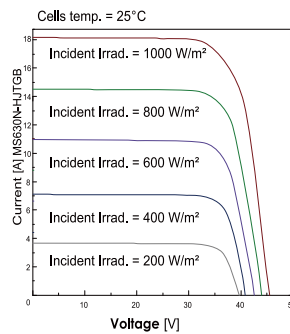
## Mechanical Characteristics

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 <sup>2</sup> cable: +0.5m/-1.0m or Customized MC4 compatible

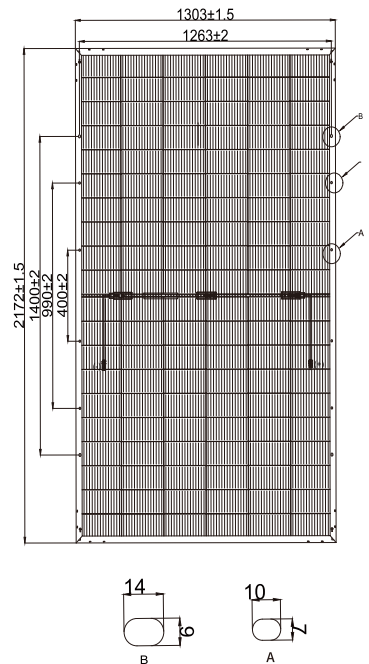
## Packaging Info

(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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**Mamibot Manufacturing USA Inc.**

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