

PLATI N-TYPE HJT BIFACIAL

DUAL-GLASS SOLAR MODULE 460-480W Frameless

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

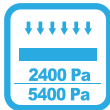


WHY MYSOLAR?



SMBB HJT CELLS

Mysolar's HJT SMBB technology reduces current heat loss of cells and increases the module efficiency to 22.27% 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.



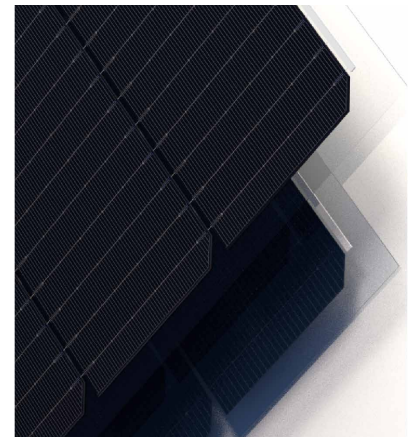
Higher Output

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.



Dual Side Power Producing

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

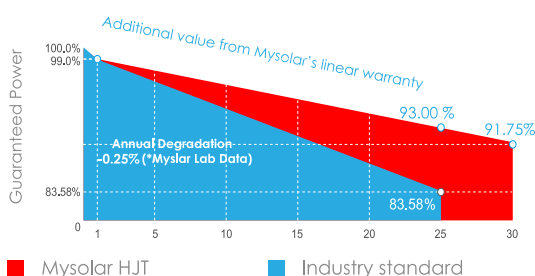


More Options for Solar Projects

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	MS460NC-HJTPBFT	MS465NC-HJTPBFT	MS470NC-HJTPBFT	MS475NC-HJTPBFT	MS480NC-HJTPBFT
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	460Wp	465Wp	470Wp	475Wp	480Wp
Maximum Power Voltage (Vmp)	45.24V	45.44V	45.66V	45.86V	46.08V
Maximum Power Current (Imp)	10.18A	10.24A	10.31A	10.37A	10.44A
Open-circuit Voltage (Voc)	53.22V	53.34V	53.46V	53.58V	53.70V
Short-circuit Current (Isc)	10.58A	10.64A	10.70A	10.76A	10.82A
Module Efficiency STC (%)	21.20%	21.40%	21.60%	21.90%	22.10%
Operating Temperature (°C)	-40°C~+85°C				
Maximum System Voltage	1500VDC (IEC)				
Maximum Series Fuse Rating	25A				
Power Tolerance	0~+6W				
Temperature Coefficients of Pmax	-0.26%/°C				
Temperature Coefficients of Voc	-0.24%/°C				
Temperature Coefficients of Isc	0.04%/°C				
Nominal Module Operating Temperature (NMOT)	42±2°C				

REAR SIDE POWER GAIN (BIFACIAL OUTPUT, FOR 480W)

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power (Pmax)	504Wp	528Wp	552Wp	576Wp	600Wp	624Wp
Maximum Power Voltage (Vmp)	46.08V	46.08V	46.08V	46.11V	46.11V	46.11V
Maximum Power Current (Imp)	10.96A	11.48A	12.00A	12.52A	13.05A	13.57A
Open-circuit Voltage (Voc)	53.70V	53.70V	53.70V	53.80V	53.80V	53.80V
Short-circuit Current (Isc)	11.36A	11.90A	12.44A	12.98A	13.52A	14.06A

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

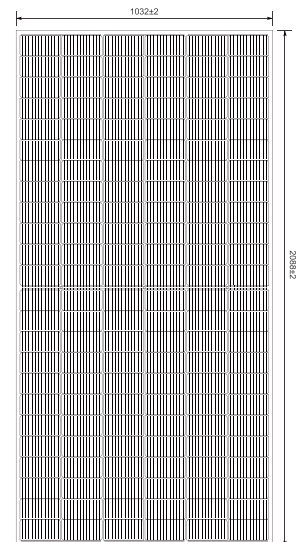
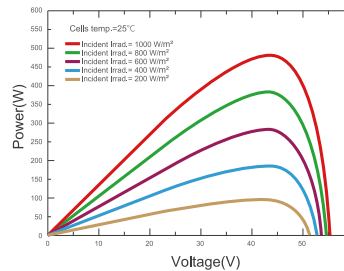
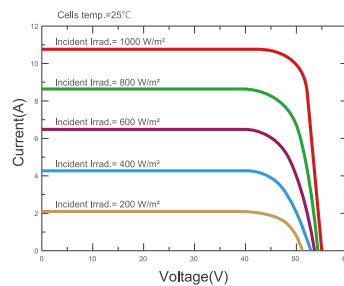
Cell Type	N-type HJT 166×83mm
No. of cells	144 (6×12+6×12)
Dimensions	2088x1032x5mm
Weight	23.00KG ±2%
Glass	2.0+2.0mm Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Frameless
Junction Box	IP68 Rated, 3 diodes, 1200mm cable/Customized
Cable & Connector	4mm ² cable 300mm MC4 Compatible

Package info

(Two pallets = One stack)

33pcs/pallet, 660pcs/40'HQ Container

Current-Voltage Curves (480W)



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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