



HJT BIFACIAL BIPV

400-425W SOLAR MODULE FRAMED
LIGHT TRANSMITTANCE >42%

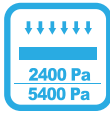
POSITIVE TOLERANCE 0~+6W
HALF CELL N-TYPE HJT
New Energy, Smart Living

WHY MYSOLAR HJT?



SMBB HJT CELLS

Mysolar's HJT SMBB technology reduces current heat loss of cells and increases the module efficiency to 22.86% 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.



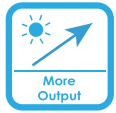
Positive Tolerance

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.



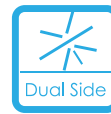
Higher Output

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.



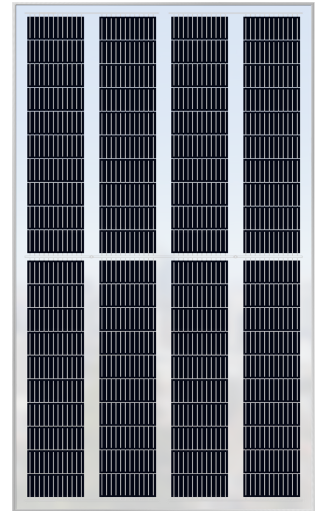
Dual Side Power Producing

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



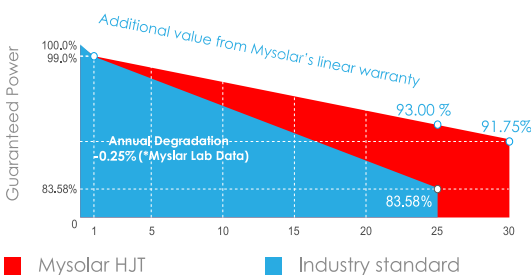
More Options for Solar Projects

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	MS400N-HJTPB	MS405N-HJTPB	MS410N-HJTPB	MS415N-HJTPB	MS420N-HJTPB
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	400Wp	405Wp	410Wp	415Wp	420Wp
Maximum Power Voltage (Vmp)	24.25V	24.40V	24.55V	24.70V	24.85V
Maximum Power Current (Imp)	16.49A	16.57A	16.65A	16.74A	16.82A
Open-circuit Voltage (Voc)	29.46V	29.64V	29.86V	30.04V	30.22V
Short-circuit Current (Isc)	17.21A	17.29A	17.37A	17.45A	17.53A
Module Efficiency STC (%)	12.88%	13.04%	13.20%	13.36%	13.52%
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	-0.260%/°C				
Temperature Coefficients of Voc	-0.240%/°C				
Temperature Coefficients of Isc	0.040%/°C				
Nominal Module Operating Temperature (NMOT)	42.30±2°C				

REARSIDE POWER GAIN (BIFACIAL OUTPUT, FOR 420W)

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power (Pmax)	441Wp	462Wp	483Wp	504Wp	525Wp	546Wp
Maximum Power Voltage (Vmp)	24.85V	24.85V	24.85V	24.85V	24.85V	24.85V
Maximum Power Current (Imp)	17.66A	18.50A	19.35A	20.20A	21.05A	21.90A
Open-circuit Voltage (Voc)	30.22V	30.22V	30.22V	30.22V	30.22V	30.22V
Short-circuit Current (Isc)	18.40A	19.28A	20.24A	21.03A	21.91A	22.79A

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

*Power measurement tolerance: -/+3%

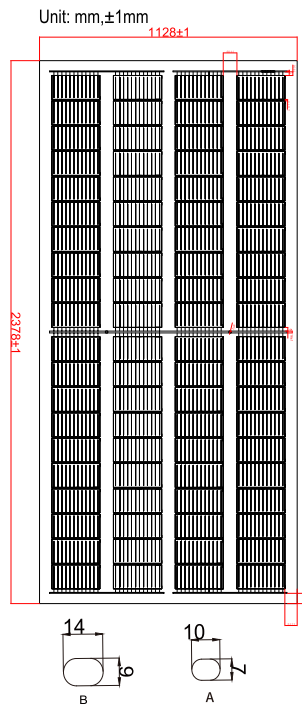
Mechanical Characteristics

Cell Type	N-type HJT
No. of cells	80(4*20)
Dimensions	2384×1303×35mm (±1mm)
Weight	33.80KG ±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 +0.3m/-0.3m or Customized, MC4 compatible

Packaging Info

(Two pallets = One stack)

31pcs/pallet, 558pcs/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.

Mysolar is a **Mamibot** company and brand, **Mysolar** and **Mamibot** are trademarks of Mamibot Manufacturing USA Inc.

Mamibot Manufacturing USA Inc.

www.mamibot.com Tel: 001 302 428 9888 sales@mamibot.com Head Office: Orange St. #600, Wilmington, New Castle, 19899, Delaware, USA

Mysolar Manufacturing (Shanghai) Co., Ltd.

www.imysolar.com www.mamibot.com/mysolar Tel: 0086 21 62147369 North Part, 21ST Fl, No.1, LN1040, Caoyang Rd, Putuo Dist, Shanghai, P.R.C.