

Mysolar

ALTRA BIFACIAL M144B

PERC HALF CELL
MONO MODULE

530-550W Framed

POSITIVE TOLERANCE 0~+6W
HALF CELL PERC MONO 144

New Energy, Smart Living

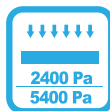


WHY MYSOLAR?



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 1000V/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.



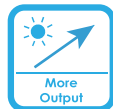
Confident Warranty

Mysolar offers 25 years limited product warranty and 30 years performance warranty for Bifacial solar modules.



Dual Side Power Producing

Mysolar bifacial panels have up to 70% bifaciality, generates up to 25.2% more energy yield than conventional panels.



Higher Output

With multi-busbar (5BB) cells, and 1500V system voltage, super solar glass, Mysolar panels have higher output than its competitors'.



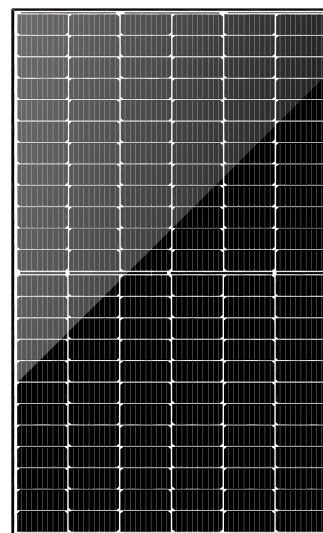
High Reliability

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.



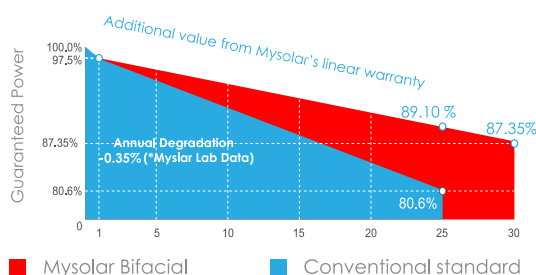
More Options for Solar Projects

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



LINEAR PERFORMANCE WARRANTY

25 Year Product Warranty · 30 Year Linear Power Warranty



- ISO9001:2015 Quality management systems
- ISO14001: 2015 Quality management systems
- OHSAS18001: 2018 Occupational health and safety management systems
- IEC61215, IEC61730, UL1703 certified product



SPECIFICATIONS (STC*)

Module Type	MS530M-DHBA	MS535M-DHBA	MS540M-DHBA	MS545M-DHBA	MS550M-DHBA
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	530Wp	535Wp	540Wp	545Wp	550Wp
Maximum Power Voltage (Vmp)	41.31V	41.47V	41.64V	41.80V	41.96V
Maximum Power Current (Imp)	12.83A	12.90A	12.97A	13.04A	13.11A
Open-circuit Voltage (Voc)	49.30V	49.45V	49.60V	49.75V	49.90V
Short-circuit Current (Isc)	13.72A	13.79A	13.86A	13.93A	14.00A
Module Efficiency STC (%)	20.50%	20.60%	20.80%	21.10%	21.20%
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	-0.350%/°C				
Temperature Coefficients of Voc	-0.275%/°C				
Temperature Coefficients of Isc	0.045%/°C				
Nominal Module Operating Temperature (NMOT)	42±2°C				

REAR SIDE POWER GAIN (BIFACIAL OUTPUT, REAR Bifaciality 70%, 10% Irradiance Ratio)

Power Gain	MS530M-DHBA	MS535M-DHBA	MS540M-DHBA	MS545M-DHBA	MS550M-DHBA
Maximum Power (Pmax)	567Wp	573Wp	578Wp	583Wp	589Wp
Maximum Power Voltage (Vmp)	41.77V	41.99V	42.24V	42.43V	42.67V
Maximum Power Current (Imp)	13.58A	13.63A	13.69A	13.74A	13.79A
Open-circuit Voltage (Voc)	49.76V	49.80V	49.93V	50.03V	50.21V
Short-circuit Current (Isc)	14.39A	14.45A	14.50A	14.56A	14.63A

NMOT* (Nominal Module Operating Temperature):

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

*Power measurement tolerance: -/+3%

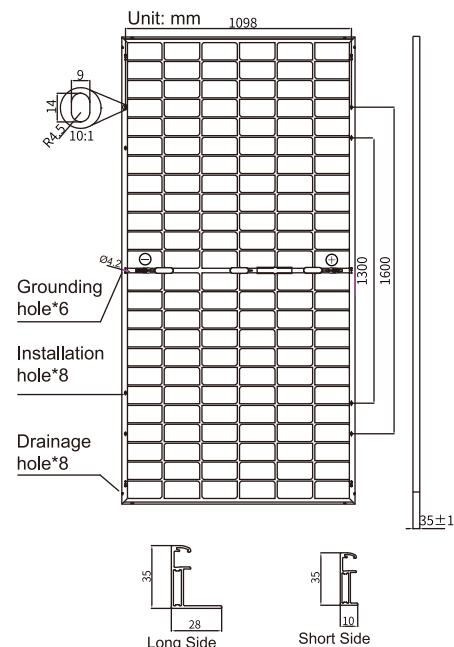
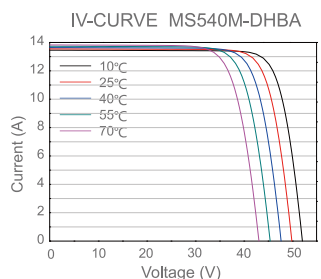
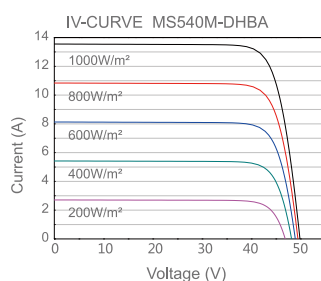
Mechanical Characteristics

Cell Type	Mono PERC 182×91mm
No. of cells	144 (6×12+6×12)
Dimensions	2285×1135×35mm
Weight	31.60KG ±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: 200mm(+)/300mm(-) QC 4.10-35, MC4 compatible

Packaging Info

(Two pallets = One stack)

31pcs/pallet, 620pcs/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.

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