

Mysolar

ALTRA HC M144

182 PERC MONO
HALF CELL MODULE

530-550W

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

New Energy, Smart Living

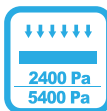


WHY MYSOLAR?



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.



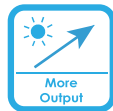
Positive Tolerance

Mysolar guarantees that all solar modules manufactured by Mysolar have 0~6W positive tolerance.



Confident Warranty

Mysolar offers 12 years limited product warranty and 25 years performance warranty for all the solar modules.



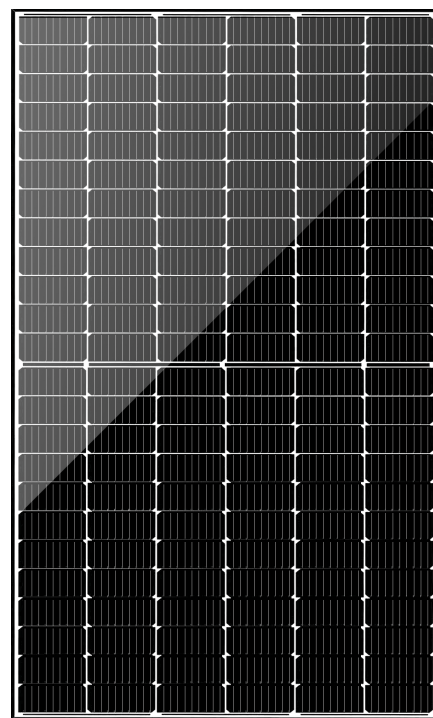
Higher Output

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



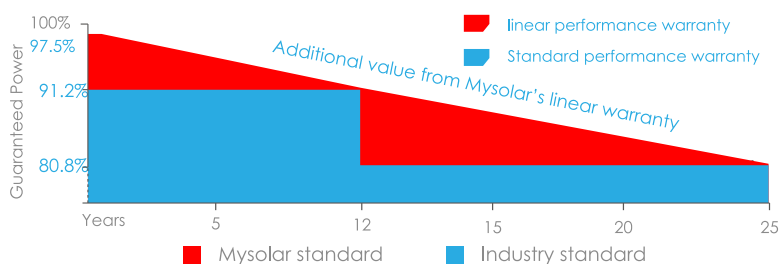
High Reliability

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.



LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 25 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

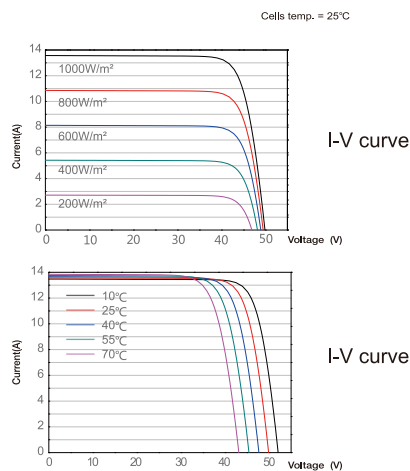
Module Type	MS530M-HA		MS535M-HA		MS540M-HA		MS545M-HA		MS550M-HA	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	530Wp	401Wp	535Wp	405Wp	540Wp	408Wp	545Wp	412Wp	550Wp	416Wp
Maximum Power Voltage (Vmp)	41.31V	38.57V	41.47V	38.78V	41.64V	38.99V	41.80V	39.20V	41.95V	39.43V
Maximum Power Current (Imp)	12.83A	10.39A	12.91A	10.43A	12.98A	10.47A	13.05A	10.51A	13.12A	10.55A
Open-circuit Voltage (Voc)	49.30V	46.18V	49.45V	46.36V	49.60V	46.43V	49.75V	46.55V	49.90V	46.68V
Short-circuit Current (Isc)	13.72A	11.01A	13.79A	11.05A	13.86A	11.09A	13.93A	11.13A	14.00A	11.17A
Module Efficiency STC (%)	20.50%		20.70%	20.70%	20.90%		21.10%		21.30%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum System Voltage	1500VDC/1000VDC									
Maximum Series Fuse Rating	25A									
Power Tolerance	0~+6W									
Temperature Coefficients of Pmax	-0.35%/°C									
Temperature Coefficients of Voc	-0.275%/°C									
Temperature Coefficients of Isc	0.045%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

STC: Irradiance 1000W/sqm Cell Temp: 25 °C AM=1.5 °C

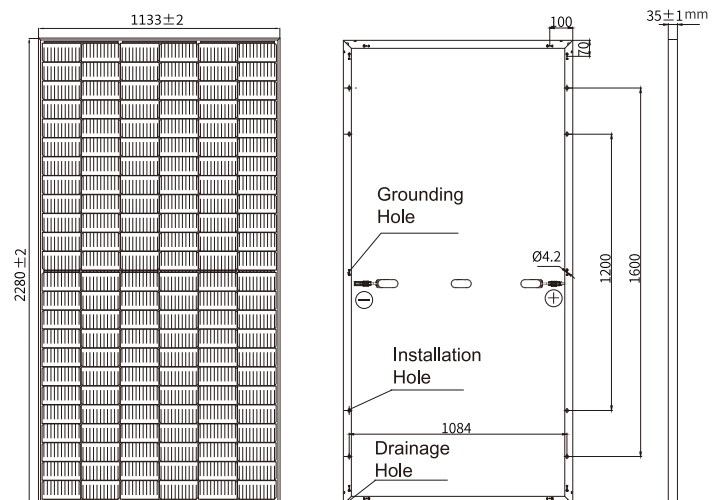
NOCT: Irradiance 800W/sqm Ambient Temp: 20 °C AM=1.5 Wind Speed 1m/s

* Power measurement tolerance: -/+3%

Characteristics and Operating Temperature

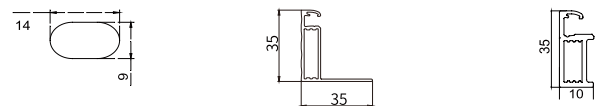


Mechanical Diagrams



Mechanical Characteristics

Cell Type	Mono PERC 182*91mm
No. of cells	144 (6×12×6×12)
Dimensions	2279×1134×35mm
Weight	28.50Kg Approx
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 diodes, 300mm cable
Cable & Connector	4mm² cable (+)200mm, (-)300mm 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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