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EnergyPal

Solar Panel Guide Specification Data Sheet

**Mysolar USA
BIFACIAL MDHF395-410W
MS400M-DHBS**

Also available on the web at
EnergyPal.com/mysolar-usa-solar-panels/ms400m-dhbs

Mysolar

STAR BIFACIAL MDHF144

PERC HALF CELL
MONO MODULE
390-410W

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



Window Cleaning Robot
Mamibot W120-T

Robot Vacuum Cleaner
Mamibot Ysiam EXVAC6805

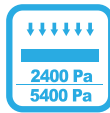
New Energy, Smart Living

WHY MYSOLAR?



Multi Busbar

Mysolar panels have 5BB or 9BB cells that reduce current heat loss 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 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'.



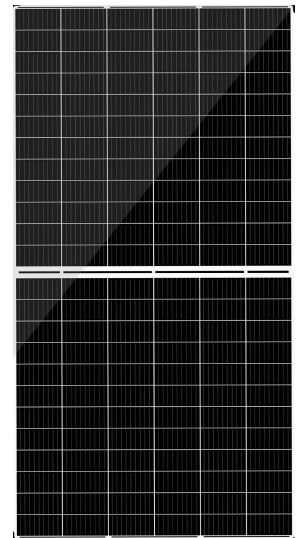
High Reliability

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



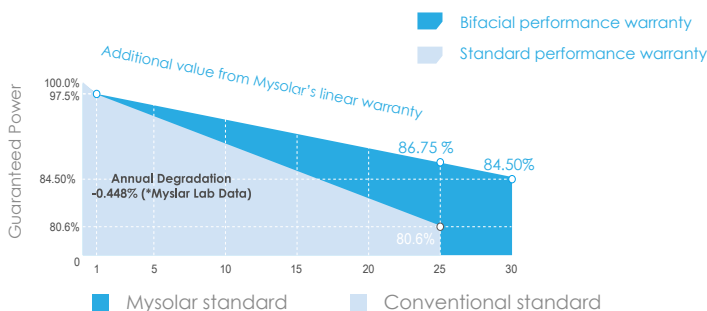
More Options for Solar Projects

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



LINEAR PERFORMANCE WARRANTY

12 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	MS390M-DHF	MS395M-DHF	MS400M-DHF	MS405M-DHF	MS410M-DHF
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	390Wp	395Wp	400Wp	405Wp	410Wp
Maximum Power Voltage (Vmp)	40.77V	40.97V	41.15V	41.27V	41.49V
Maximum Power Current (Imp)	9.58A	9.65A	9.73A	9.81A	9.88A
Open-circuit Voltage (Voc)	49.02V	49.21V	49.40V	49.48V	49.70V
Short-circuit Current (Isc)	10.06A	10.14A	10.22A	10.31A	10.38A
Module Efficiency STC (%)	19.20%	19.40%	19.70%	19.90%	20.10%
Operating Temperature (°C)	-40°C~+85°C				
Maximum System Voltage	1500VDC (IEC)				
Maximum Series Fuse Rating	20A				
Power Tolerance	0~+6W				
Temperature Coefficients of Pmax	-0.38%/°C				
Temperature Coefficients of Voc	-0.31%/°C				
Temperature Coefficients of Isc	0.048%/°C				
Nominal Operating Cell Temperature (NOCT)	42±2°C				

REAR SIDE POWER GAIN (BIFACIAL OUTPUT, FOR 390W)

Power Gain (Percentage)	10%	15%	20%	25%	30%
Maximum Power (Pmax)	415Wp	430Wp	445Wp	460Wp	470Wp
Maximum Power Voltage (Vmp)	40.77V	40.77V	40.76V	40.76V	40.75V
Maximum Power Current (Imp)	10.18A	10.55A	10.92A	11.29A	11.54A
Open-circuit Voltage (Voc)	49.02V	49.02V	49.03V	49.03V	49.04V
Short-circuit Current (Isc)	10.68A	11.06A	11.43A	11.81A	12.06A

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

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

* Power measurement tolerance: -/+3%

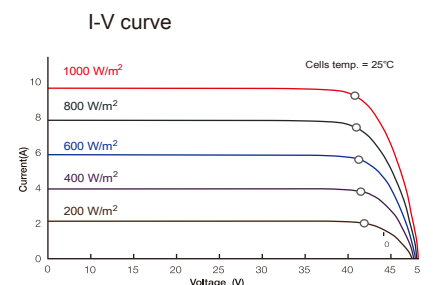
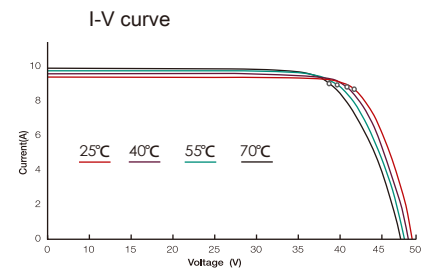
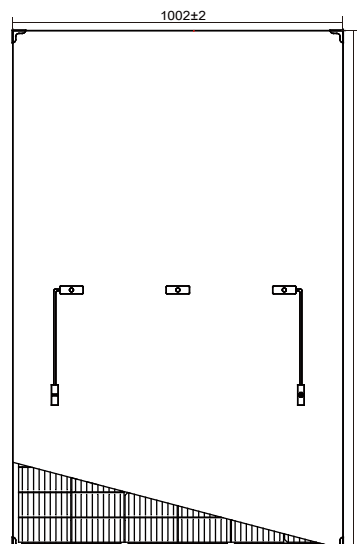
Mechanical Characteristics

Cell Type	Mono PERC 158.75×79.375mm (5/6/9/12BB)
No. of cells	144 (6×12+6×12)
Dimensions	2031×1002×6mm
Weight	29.05KG
Glass	2.5mm Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Frameless
Junction Box	IP68 Rated, 3 diodes
Cable & Connector	4mm ² cable 300mm MC4 Compatible

Packaging Info

(Two pallets = One stack)

30pcs/pallet, 660pcs/40'HQ Container, 300pcs/20' GP



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.

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.