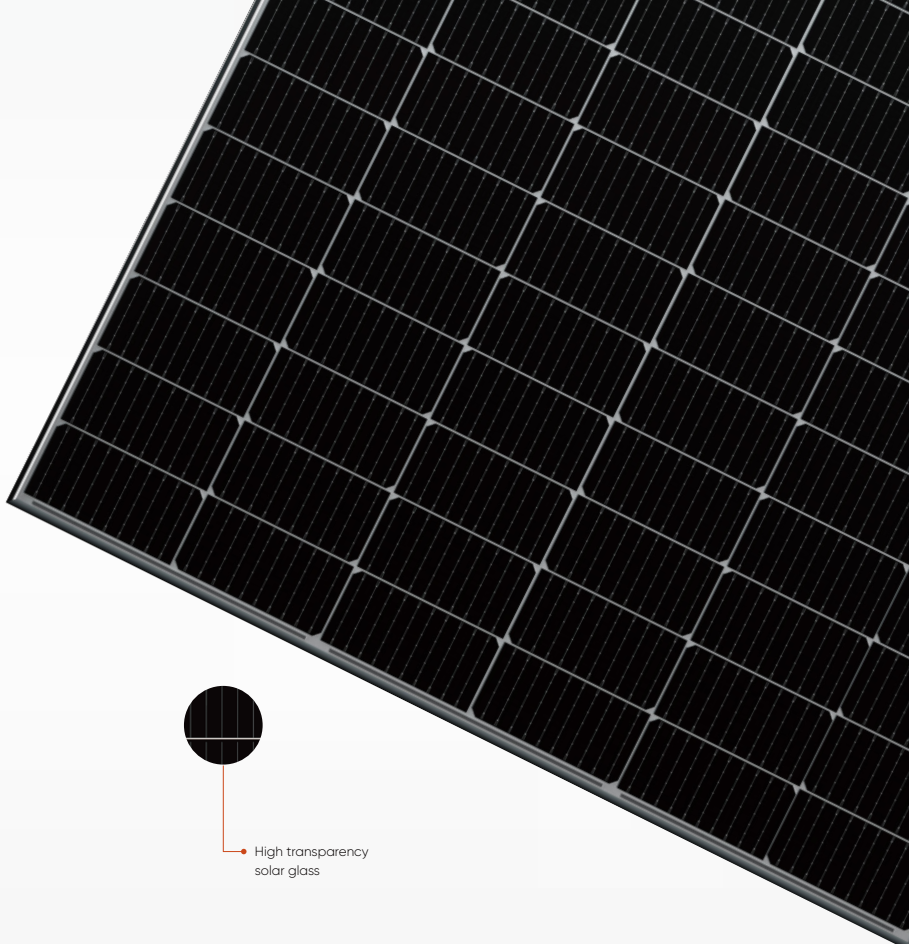


MT5 545-565W

MS565M-72H

182mm Cells Mono PERC
with MBB & Half-cut
Technology



Features

High Power up to 565W

Large area cells based on 182mm silicon wafers,
High module efficiency with high density interconnect technology

High Energy Yield

Up to 21.86% additional power gain from back side,
Excellent low irradiation performance

High Reliability

Resistant to harsh environments such as salt, ammonia, sand,
high temperature and high humidity areas

High Customer Value

Lowest guaranteed first year and annual degradation,
Compatible with existing mainstream system components



WEB

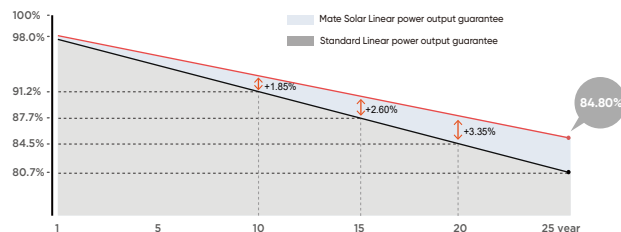


WECHAT

Quality Guarantee

12-Year Warranty for Materials and Processing

25-Year Warranty for Extra Linear Power Output



* Please refer to Mate Solar standard warranty for details

Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001: 2015: ISO Quality Management System

ISO 14001: 2015: ISO Environment Management System

ISO 45001: 2018: Occupational Health and Safety



Mechanical Data

Number of Cells	144 Cells (6x24)
Dimensions of Module L*W*H	2279 x 1134 x 30mm
Weight	28kg
Glass	Single glass
	3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68 Rated, 3 Diodes
Cable	4.0mm ² , Portrait: 300mm / Landscape: 1400mm
Wind/Snow Load	2400Pa/5400Pa
Fire Rating	UL type 1or 2
Safety Class	II

* Please check the installation manual for more details

Electrical Specification (STC*)

Maximum Power (Pmax/W)	545	550	555	560	565
Maximum Power Voltage (Vmp/V)	40.79	40.89	40.99	41.09	41.18
Maximum Power Current (Imp/A)	13.36	13.45	13.54	13.63	13.72
Open Circuit Voltage (Voc/V)	49.53	49.63	49.73	49.83	49.92
Short Circuit Current (Isc/A)	13.94	14.03	14.12	14.21	14.30
Module Efficiency (%)	21.09	21.28	21.48	21.67	21.86
Power Output Tolerance (W)	0~+5W				

* STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

Electrical Specification (NMOT*)

Maximum Power (Pmax / W)	340	344	348	352	356
Maximum Power Voltage (Vmp / V)	32.05	32.27	32.49	32.71	32.93
Maximum Power Current (Imp / A)	10.61	10.66	10.71	10.76	10.81
Open Circuit Voltage (VOC / V)	40.63	40.85	41.07	41.29	41.51
Short Circuit Current (Isc / A)	11.25	11.30	11.35	11.40	11.45

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

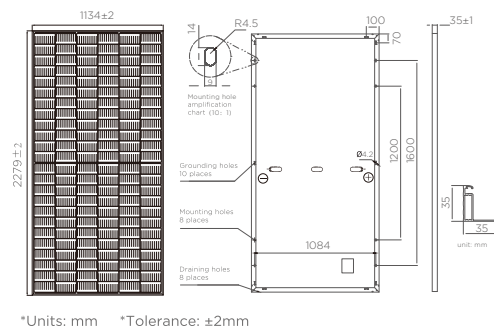
Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A

Packaging Configuration

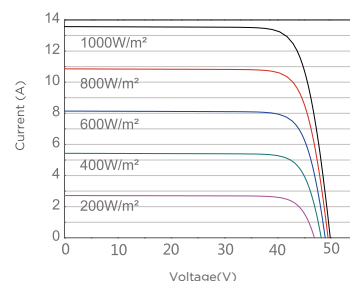
Module per Box	36pieces
Module per 40' Container	720 pieces

Module Dimension

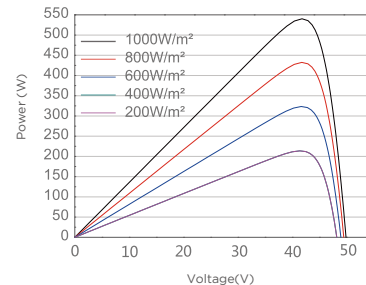


*Units: mm *Tolerance: ±2mm

Current-Voltage Curve(MS565M-72H)



Current-Voltage Curve(MS565M-72H)



Current-Voltage Curve(MS565M-72H)

