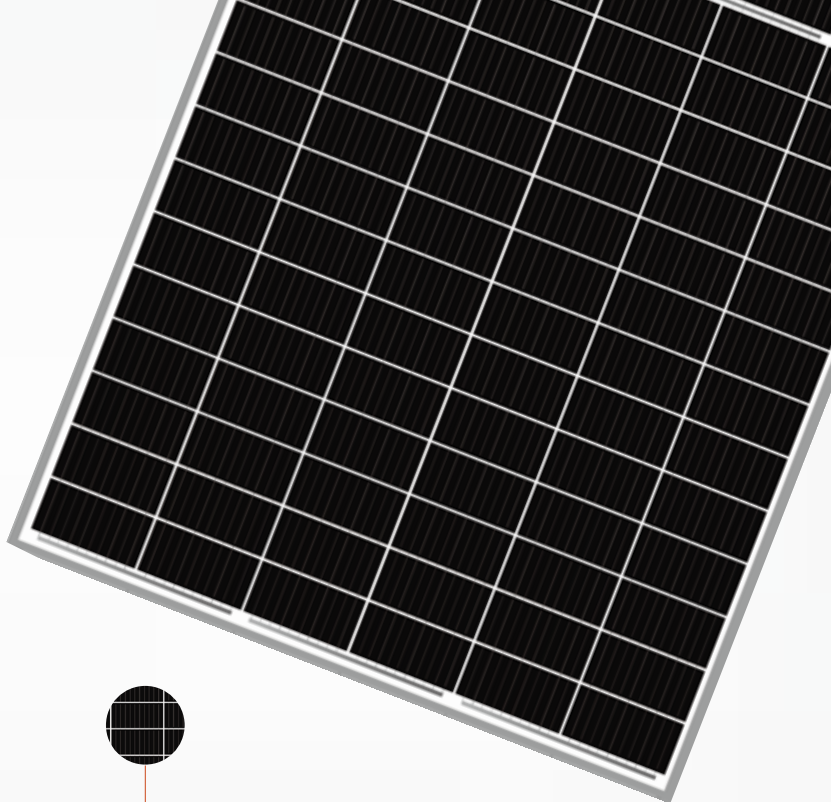


MT5 575-605W

MS605M-78H

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



High transparency
solar glass

Features

High Power up to 605W

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

High Energy Yield

Up to 21.65% 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

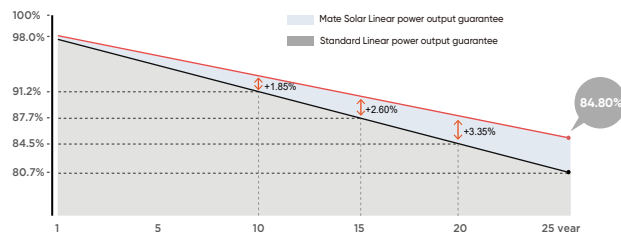
High Customer Value

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

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



WEB



WECHAT

Mechanical Data

Number of Cells	156 Cells (6x26)
Dimensions of Module L*W*H	2465x1134x35mm
Weight	30.5kg
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)	575	580	585	590	595	600	605
Maximum Power Voltage (Vmp/V)	44.22	44.32	44.42	44.52	44.62	44.72	44.82
Maximum Power Current (Imp/A)	13.01	13.09	13.17	13.26	13.34	13.42	13.50
Open Circuit Voltage (Voc/V)	53.43	53.53	53.63	53.73	53.83	53.93	54.03
Short Circuit Current (Isc/A)	13.69	13.76	13.83	13.90	13.97	14.04	14.11
Module Efficiency (%)	20.58	20.75	20.93	21.11	21.29	21.47	21.65
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)	428	432	436	440	444	448	452
Maximum Power Voltage (Vmp / V)	41.14	41.31	41.48	41.65	41.82	41.99	42.16
Maximum Power Current (Imp / A)	10.41	10.46	10.52	10.57	10.62	10.67	10.73
Open Circuit Voltage (VOC / V)	50.43	50.53	50.63	50.73	50.83	50.93	51.03
Short Circuit Current (Isc / A)	11.06	11.12	11.18	11.24	11.30	11.36	11.42

* 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

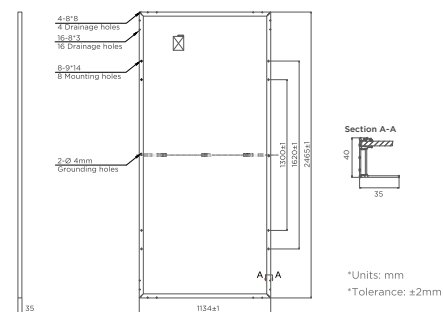
Temperature Ratings

NMOT (Nominal Module Operating Temperature)	45±2°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.34%/°C

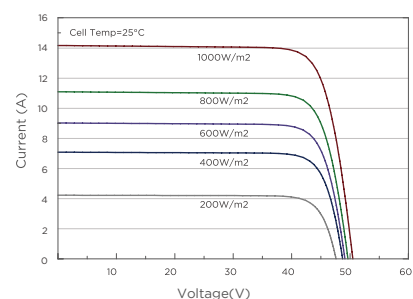
Packaging Configuration

Module per Box	31 pieces
Module per 40' Container	496 pieces

Module Dimension



Current-Voltage Curve(MT605M-78H)



Current-Voltage Curve(MT605M-78H)

