

JM Solar

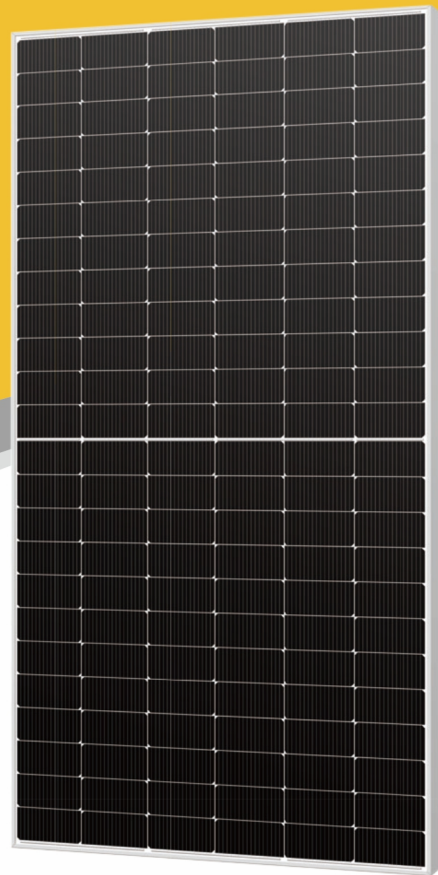
580W

N-Type

JM 560~580H72

Half-cell Mono Module

12-Years Product Warranty on Materials and Workmanship;
30-Years Linear Performance Warranty;
0.4% Subsequent Annual Degradation



- Higher Power Output
- Better Light Trapping And Current Collection To Improve Module Power Output And Reliability



- Outstanding Low Light Performance
- Higher Power Output Even Under Low-light Environments Like On Cloudy Or Foggy Days



- Zero LID (Light Induced Degradation)
- N-type Solar Cell Has No LID Naturally Which Can Increase Power Generation



- Excellent Anti-PID Performance Guarantee Via Optimized Mass-Production Process And Materials Control



- Better Temperature Coefficient
- Higher Power Generation Under Working Conditions, Thanks To Passivating Contact Cell Technology



- Enhanced Mechanical Load
- Certified To Withstand: Wind Load (2400 Pascal) And Snow Load (5400 Pascal)



- Withstanding Harsh Environment
- Reliable Quality Leads To A Better Sustainability Even In Harsh Environment Like Desert, Farm And Coastline

Complete System and Product Certifications

IEC61215, IEC61730

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational Health and Safety Management Systems



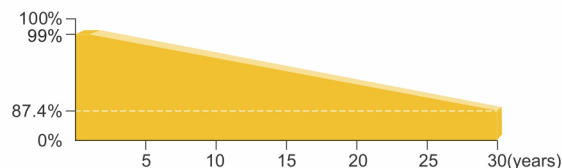
*Specifications Subject To Technical Changes And Tests.
JM Solar Reserves The Right Of Interpretation.

580W
Maximum Power Output

22.45%
Maximum Module Efficiency

0~+5W
Power Output Tolerance

JM Solar's Linear Performance Warranty



JM Solar Henan JM Solar Energy Solution Co., Ltd

Office Add: Room 418, Building Zhongtai, Zhoushan Road, Jianxi District, Luoyang City, Henan Province, P.R.China

Factory Add: Jinmeng New Energy, Sili Bridge, Kuzhuang Town, Xiangcheng County, Xuchang City, Henan Province, P.R. China

E-mail: info@jmsolarenergy.com

Web: www.jmsolarenergy.com

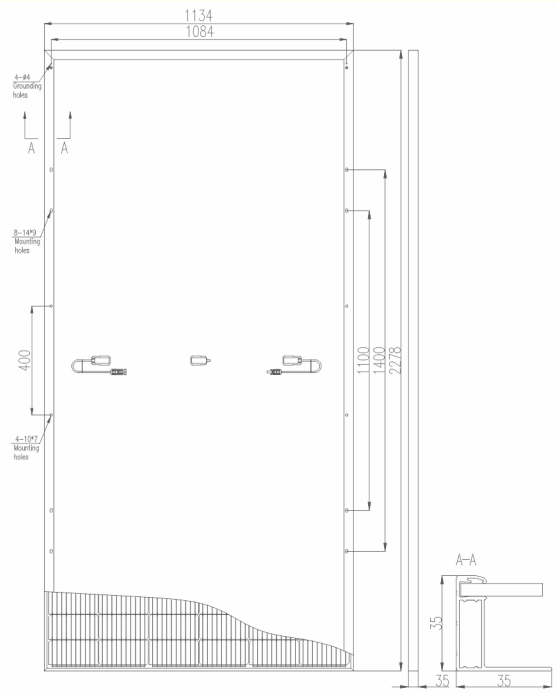
Tel.: +86-379-61108866, +86 138 3847 6080

Electrical Data	560	565	570	575	580
Maximum Power P _{MAX} (WP)	560	565	570	575	580
Power Tolerance P _{MAX} (%)	0-5	0-5	0-5	0-5	0-5
Maximum Power Voltage V _{MP} (V)	42.17	42.35	42.51	42.69	42.87
Maximum Power Current I _{MP} (A)	13.28	13.34	13.41	13.47	13.53
Open Circuit Voltage V _{OC} (V)	50.63	50.83	51.03	51.23	51.43
Short Circuit Current I _{SC} (A)	14.06	14.12	14.18	14.24	14.30
Module efficiency η m(%)	21.68	21.87	22.07	22.26	22.45

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

Mechanical Date Product Drawings

Solar Cells	Mono-crystalline
Cell Orientation	144 cells [2×(6×12)]
Module dimensions	2278×1134×35mm
Weight	27Kg
Glass	High transmission glass 3.2mm
Frame	Anodized aluminium alloy
J-Box	IP 68, 3 bypass diodes
Cables	TUV 1×4.0mm ² , (+):300mm/(-):200mm or Customized length
Connector	MC4 compatible



Electrical Characteristics(NMOT*)

Power Output(Wp)	423	427	431	435	439
Voltage Mpp-V _{mpp} (V)	39.64	39.79	39.98	40.13	40.28
Current Mpp-I _{mp} (A)	10.67	10.73	10.78	10.84	10.90
Voltage Open Circuit-V _{oc} (V)	48.26	48.45	48.64	48.83	49.02
Short Circuit Current-I _{sc} (A)	11.35	11.40	11.45	11.49	11.54

*NMOT:Irradiance 800 W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

Shipping Method 40HQ

Qty/Box	31
Number of Boxes	20
Total	620

Temperature Ratings Mechanical Properties

Temperature Coefficient of P _{MAX}	-0.31%/°C	Frontal mechanical load (anti-snow, wind)	5400pa
Temperature Coefficient of V _{OC}	-0.26%/°C	Back mechanical load (wind resistance)	2400pa
Temperature Coefficient of I _{SC}	+0.048%/°C	Hailstone Test	25mm Hailstone at the speed of 23m/s

Maximum Ratings Quality Parameters

Maximum system voltage	1500V DC	12 year product workmanship warranty
Max Series Fuse Ratings	25A	30 year linear power warranty (Refer to the Product Warranty for details)

Curve

