N-Type

MORE ENERGY

More Energy, More Power

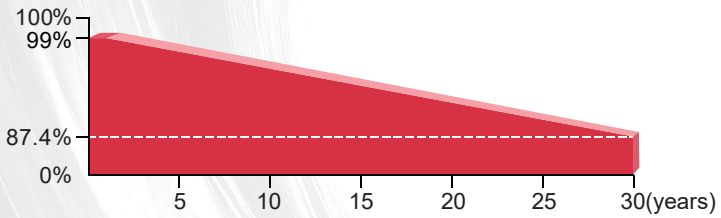
585W MBB

Bifacial Double Glass

Mono Half-cell Module

M10-144GANT 570~590W





More Energy's linear performance warranty

12 Years Product Warranty on Materials and Workmanship

30 Years Linear Performance Warranty

0.40% Subsequent Annual Degradation

- ▲ Higher output power
- ▲ Module efficiency up to 22.45%
- ▲ Lower temperature coefficient
- ▲ Up to 30% additional power gain from back side depending on albedo

- ▲ ISO9001:2015 Quality Management system
- ▲ ISO14001:2015 Environmental Management System
- ▲ ISO45001:2018 Occupational Health and Safety Management System

- ▲ Lower LCOE (Levelized Cost Of Energy)
- ▲ High Power output lead to lower BOS cost

PID FREE

Excellent Potential Induced Degradation Resistance

- ▲ Salt Mist Corrosion Protect
- ▲ Ammonia Resistance

Excellent Wind Load 2400Pa&Snow Load 5400Pa Under Certain Installation Method

Web: www.more-energy.net
Add: Fürtherstr. 38, 90429 Nürnberg, Germany

ME570~590M10-144GANT

MORE ENERGY
More Energy, More Power

Electrical Characteristics(STC*)

Power Output(Wp)	565	570	575	580	585
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	21.68	21.87	22.07	22.26	22.45
Voltage Mpp-Vmpp(V)	42.17	42.35	42.51	42.69	42.87
Current Mpp-Impp(A)	13.28	13.34	13.41	13.47	13.53
Voltage Open Circuit-Voc(V)	50.63	50.83	51.03	51.23	51.43
Short Circuit Current-Isc(A)	14.06	14.12	14.18	14.24	14.30

*STC:Irradiance 1000 W/m²,Environment Temperature 25℃,Air Mass AM1.5

Electrical Characteristics(NMOT*)

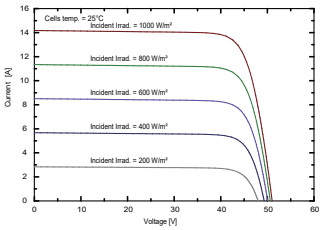
Power Output(Wp)	423	427	431	435	439
Voltage Mpp-Vmpp(V)	39.64	39.79	39.98	40.13	40.28
Current Mpp-Impp(A)	10.67	10.73	10.78	10.84	10.90
Voltage Open Circuit-Voc(V)	48.26	48.45	48.64	48.83	49.02
Short Circuit Current-Isc(A)	11.35	11.40	11.45	11.49	11.54

*NMOT:Irradiance 800 W/m²,Environment Temperature 20℃,Air Mass AM1.5

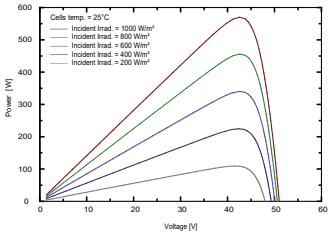
Electrical Characteristics(NMOT*)

Power Gain(%)	Power Output(Wp)	Voltage Mpp-Vmpp(V)	Current Mpp-Impp(A)	Voltage Open Circuit-Voc(V)	Short Circuit Current-Isc(A)
10	627	42.51	14.75	51.03	15.60
15	656	42.51	15.42	51.03	16.31
20	684	42.51	16.09	51.03	17.02
25	713	42.51	16.76	51.03	17.73
30	741	42.51	17.43	51.03	18.43

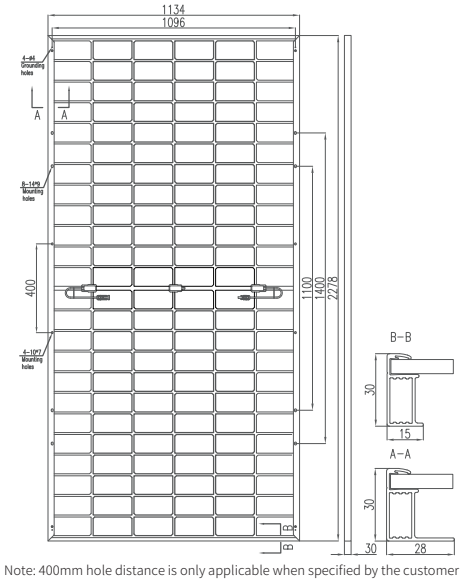
I-V Curves(570W)



P-V Curves(570W)



Module Back View



Note: 400mm hole distance is only applicable when specified by the customer

Mechanical Data

Cell Size	182mm*91mm
Number of Cells	144 [2 x (12 x 6)]
Module Dimension	2278*1134*30mm
Weight	32.5kg
Front Glass	2.0mm, Anti-Reflection Coating
Rear Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Cable Length	TUV 1x4.0mm², (+):300mm/ (-):200mm or Customized length

Packaging Configuration

Loading Capacity	720 pcs/40'HQ

Working Conditions

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0~+5W
Bifaciality	80±5%

Working Conditions

Temperature Coefficients of Isc(%/℃)	0.046
Temperature Coefficients of Voc(%/℃)	-0.26
Temperature Coefficients of Pmpp(%/℃)	-0.310
NMOT	42±2°C

Specifications included in this datasheet are subject to change without notice.

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