

JHM5/78GD 580-600Wp

PERC Bifacial Dual Glass Module



Half-cut And MBB Technology

Half-cut cells combined with MBB provides ultra-high power output



Higher Bifacial Rate

Bifacial technology enables additional energy harvesting from rear side



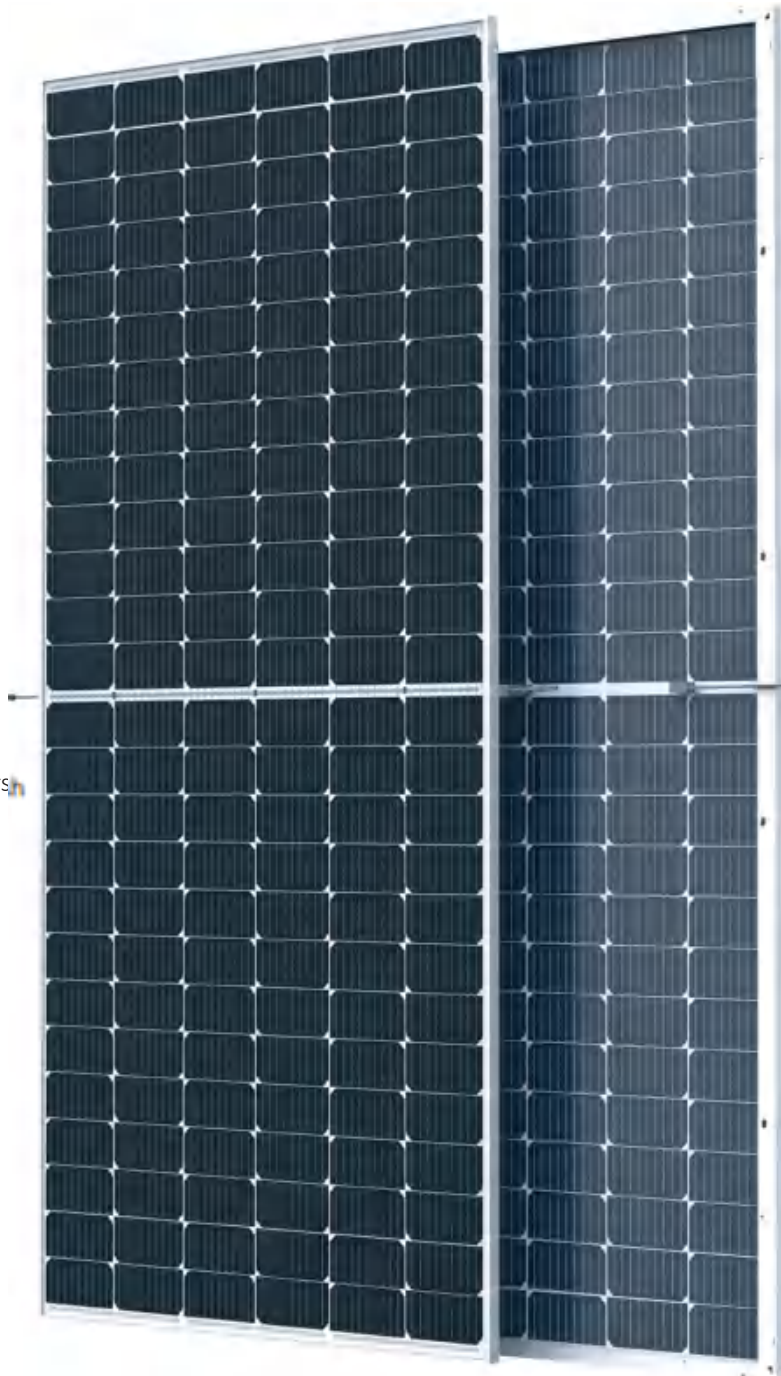
Withstanding Harsh Environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

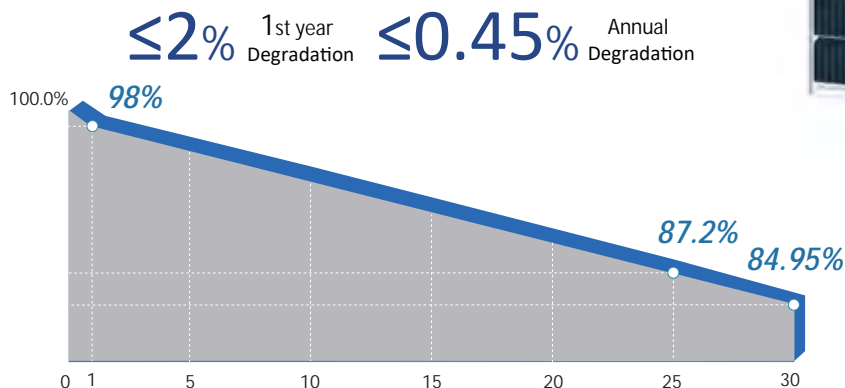


PID Resistance

According to IEC TS 62804-1



Linear Performance Warranty



12 Years Product Warranty

30 Years Linear Power Warranty



IEC61215 IEC61730
 ISO9001 Quality Management System Certification
 ISO14001 Environment System Certification
 ISO45001 Occupational Health and Safety Management System Certification

ELECTRICAL CHARACTERISTICS

Module Type	JHM5/78GD580		JHM5/78GD585		JHM5/78GD590		JHM5/78GD595		JHM5/78GD600	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax) (W)	580	438	585	442	590	446	595	450	600	454
Maximum Power Voltage (Vmp) (V)	44.4	42.6	44.6	42.7	44.8	42.8	45.0	42.9	45.3	43.0
Maximum Power Current (Imp) (A)	13.07	10.29	13.12	10.35	13.17	10.42	13.23	10.49	13.25	10.56
Open-circuit Voltage (Voc) (V)	53.1	50.5	53.2	50.6	53.3	50.7	53.4	50.8	53.5	51.0
Short-circuit Current (Isc) (A)	13.84	11.02	13.88	11.07	13.93	11.13	13.98	11.19	14.03	11.25
Module Efficiency	20.75%		20.93%		21.11%		21.29%		21.46%	

*STC (Standard Test Condition): Irradiance 1000W/ m², Cell Temperature 25°C, AM 1.5

*NMOT(Under Nominal Module Operating Temperature): Irradiance of 800W/ m², Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

Rearside Power Gain (Reference to JHM5/78GD590)

Rearside Power gain	5%	10%	15%	20%	25%
Peak Power (Pmax) (W)	620	649	679	708	738
Maximum Power Voltage (Vmp) (V)	44.8	44.8	44.8	44.9	44.9
Maximum Power Current (Imp) (A)	13.83	14.49	15.15	15.77	16.43
Open-circuit Voltage(Voc) (V)	53.3	53.3	53.3	53.4	53.4
Short-circuit Current (Isc) (A)	14.62	15.32	16.01	16.68	17.37

MECHANICAL CHARACTERISTICS

Cell Type	PERC Mono-Crystalline
Cell Arrangement	156pcs (2×(6×13))
Dimension (L×W×H)	2465×1134×30mm
Weight	34.6kg
Front Cover	2.0mm +2.0mm Half Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable	4mm ² /400mm(+)&200mm(-)
Connector	MC4 Compatible
Snow/Wind Load	5400Pa/2400Pa

OPERATING PARAMETERS

Power tolerance	0~+5W
Maximum System Voltage	1500V DC (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30 A
Protection Class	Class II
Bifaciality	70±5%

TEMPERATURE CHARACTERISTICS

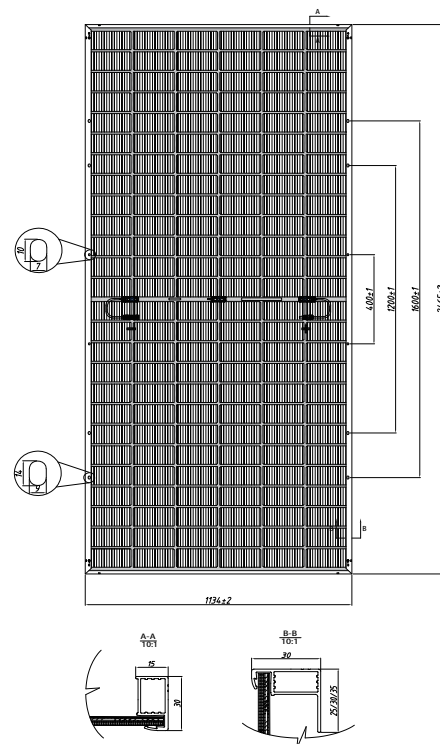
Temperature coefficient of Pmax	-0.34%
Temperature coefficient of Voc	-0.26%
Temperature coefficient of Isc	0.04%
NMOT	44±2°C

PACKING MANNER

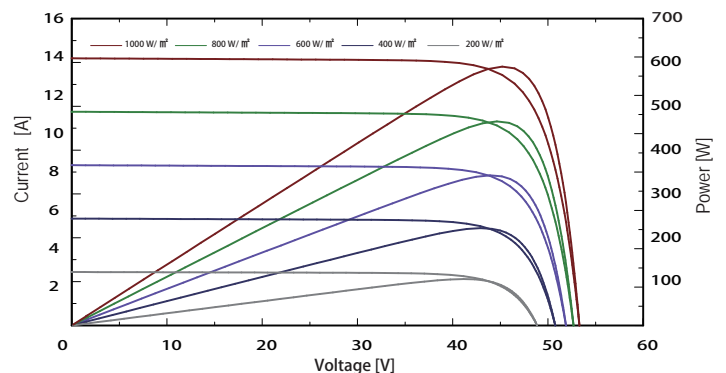
Packing Type	40HQ
Piece/Pallet	36
Pallet/Container	16
Piece/Container	576

Engineering Design

*Unit:mm



I-V/P-V Curve at Different Irradiance (590W)



*Power measurement tolerance: ±3%

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