

JHM5/54H 395-415Wp

PERC Monocrystalline Half-cut Cell Solar Module



Nondestructive Scribing Technology

Special cutting and soldering technology leads to low hotspot risk



Black Appearance

Aesthetically integrated with roof colors



Better Micro Crack Resistance

Minimize the impact by micro crack by limiting cell damage and potentially extending area



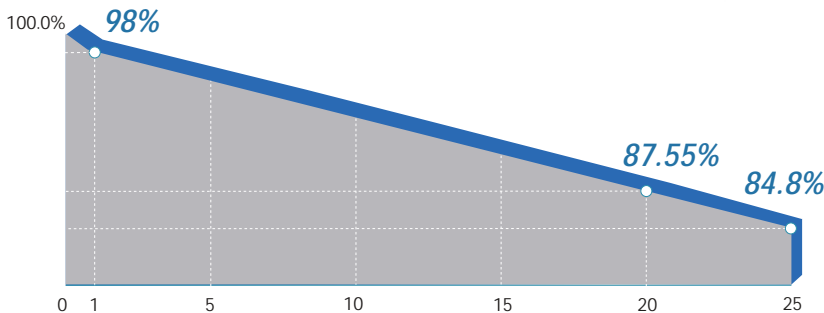
PID Resistance

According to IEC TS 62804-1



Linear Performance Warranty

$\leq 2\%$ 1st year Degradation $\leq 0.55\%$ Annual Degradation



12 Years Product Warranty

25 Years Linear Power Warranty



IEC61215/61730:2016

IEC62804(PID free)

IEC62716(Ammonia)

IEC61701(Salt fog)

ISO9001/14001/45001

ELECTRICAL CHARACTERISTICS

Module Type	JHM5/54H395		JHM5/54H400		JHM5/54H405		JHM5/54H410		JHM5/54H415	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax) (W)	395	299	400	303	405	307	410	311	415	315
Maximum Power Voltage (Vmp) (V)	30.7	28.3	30.9	28.5	31.1	28.8	31.3	29.0	31.5	29.2
Maximum Power Current (Imp) (A)	12.87	10.55	12.94	10.61	13.02	10.67	13.10	10.73	13.17	10.79
Open-circuit Voltage (Voc) (V)	37.0	34.8	37.2	35.0	37.4	35.2	37.6	35.4	37.8	35.6
Short-circuit Current (Isc) (A)	13.79	11.16	13.86	11.22	13.93	11.28	14.00	11.33	14.07	11.39
Module Efficiency	20.23%		20.48%		20.74%		21.00%		21.25%	

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

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

MECHANICAL CHARACTERISTICS

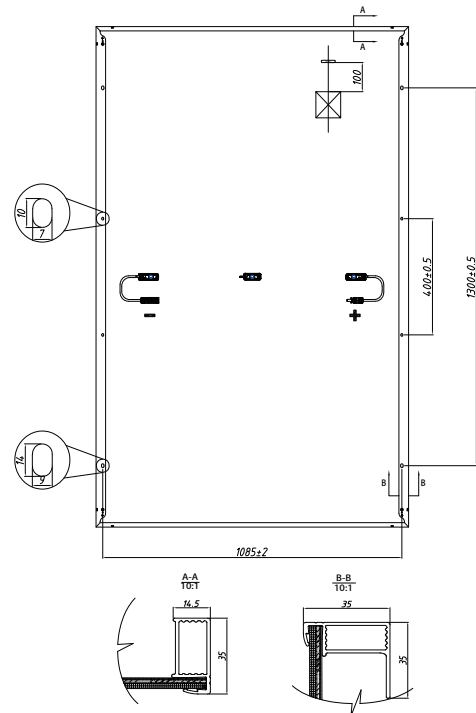
Cell Type	PERC Mono-Crystalline
Cell Arrangement	108pcs (2×(6×9))
Dimension (L×W×H)	1722×1134×35mm
Weight	21kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable	4mm²/400mm(+)&200mm(-)
Connector	MC4 Compatible
Snow/Wind Load	5400Pa/2400Pa

OPERATING PARAMETERS

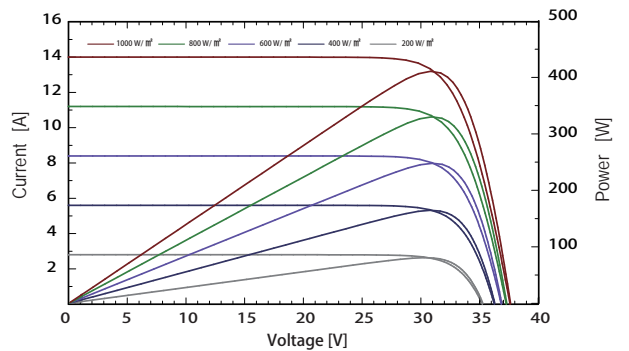
Power tolerance	0~+5W
Maximum System Voltage	1500V DC (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25 A
Protection Class	Class II

Engineering Design

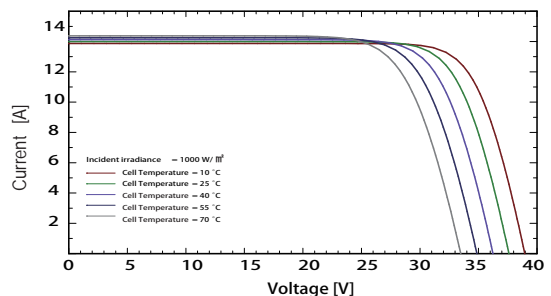
*Unit:mm



I-V/P-V Curve at Different Irradance (405W)



I-V Curve at Different Working Temperature (405W)



TEMPERATURE CHARACTERISTICS

Temperature coefficient of Pmax	-0.35%
Temperature coefficient of Voc	-0.26%
Temperature coefficient of Isc	0.036%
NMOT	44±2°C

PACKING MANNER

Packing Type	40HQ
Piece/Pallet	31
Pallet/Container	26
Piece/Container	806

*Power measurement tolerance: ±3%

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