

# JHM5/60H 435-455Wp

PERC Monocrystalline Half-cut Cell Solar Module



**Nondestructive Scribing Technology**  
Special cutting and soldering technology leads to low hotspot risk



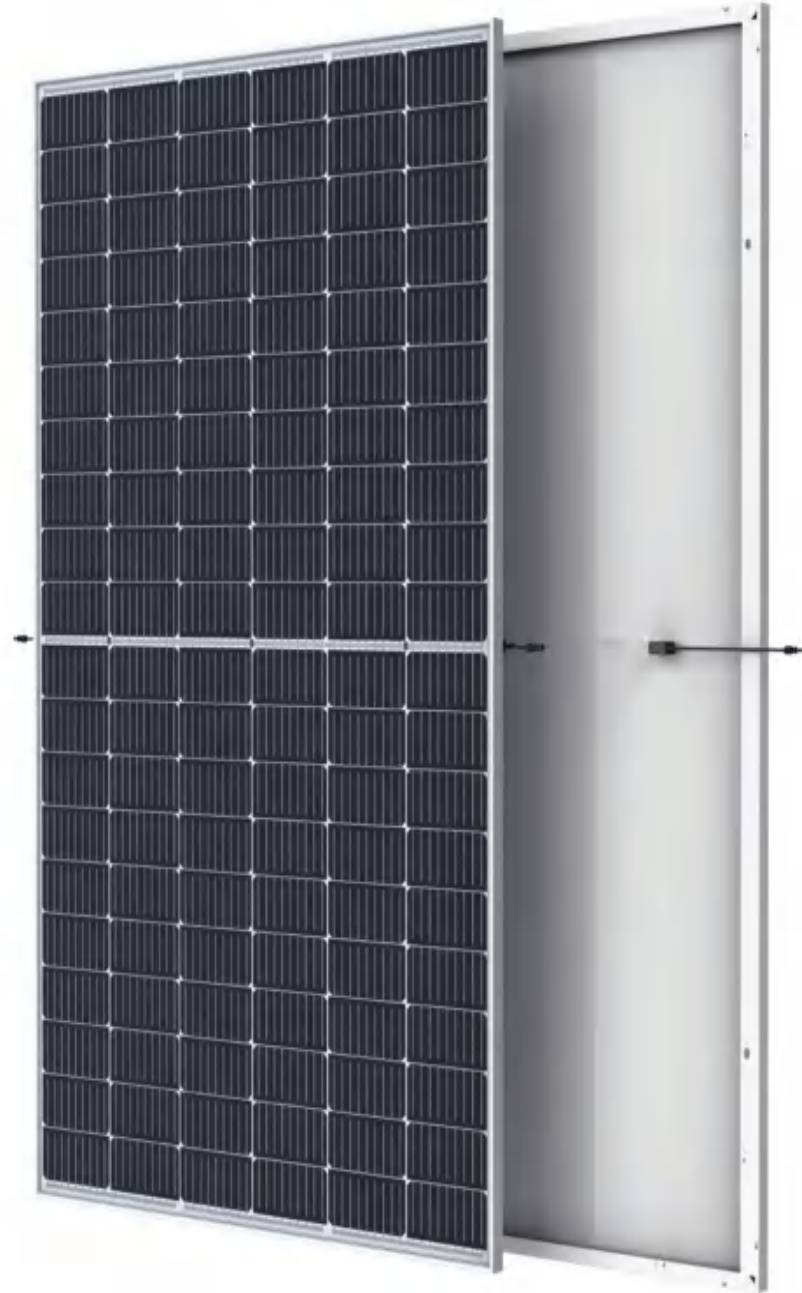
**Excellent weak light performance**  
More power output in weak light condition, such as cloudy, morning and sunset



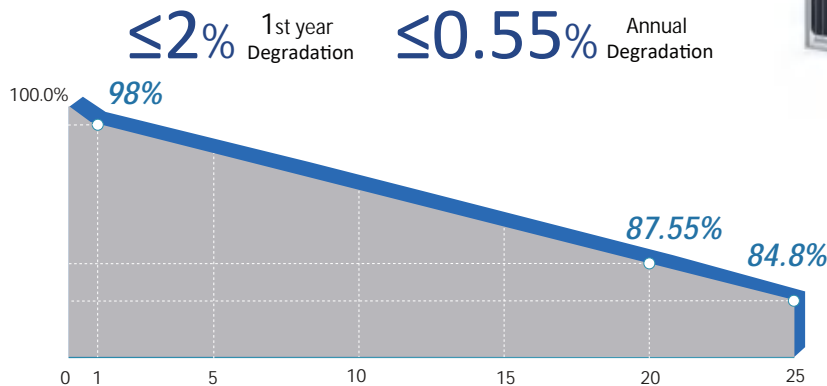
**Better Micro Crack Resistance**  
Minimize the impact by micro crack by limiting cell damage and potentially extending area



**PID Resistance**  
According to IEC TS 62804-1



## Linear Performance Warranty



**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	JHM5/60H435		JHM5/60H440		JHM5/60H445		JHM5/60H450		JHM5/60H455	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax) (W)	435	322	440	326	445	330	450	334	455	337
Maximum Power Voltage (Vmp) (V)	34.0	30.9	34.2	31.0	34.4	31.2	34.6	31.4	34.8	31.6
Maximum Power Current (Imp) (A)	12.79	10.45	12.87	10.51	12.94	10.57	13.01	10.63	13.07	10.69
Open-circuit Voltage (Voc) (V)	41.0	37.9	41.2	38.1	41.4	38.3	41.6	38.5	41.8	38.7
Short-circuit Current (Isc) (A)	13.72	11.11	13.79	11.16	13.86	11.22	13.93	11.28	14.00	11.33
Module Efficiency	20.09%		20.33%		20.56%		20.79%		21.02%	

\*STC (Standard Test Condition): Irradiance 1000W/ m<sup>2</sup>, Cell Temperature 25°C, AM 1.5

\*NMOT(Under Nominal Module Operating Temperature): Irradiance of 800W/ m<sup>2</sup>, Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

**MECHANICAL CHARACTERISTICS**

Cell Type	PERC Mono-Crystalline
Cell Arrangement	120pcs (2×(6×10))
Dimension (L×W×H)	1909×1134×35mm
Weight	23.0kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable	4mm <sup>2</sup> /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

**TEMPERATURE CHARACTERISTICS**

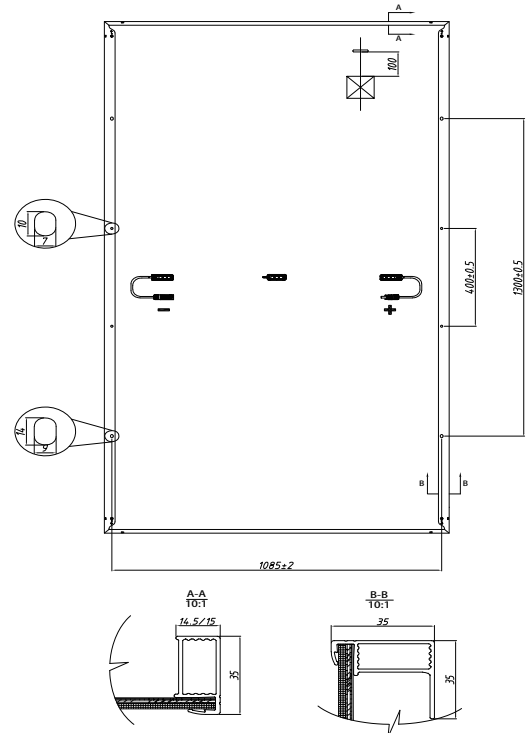
Temperature coefficient of Pmax	-0.35%
Temperature coefficient of Voc	-0.26%
Temperature coefficient of Isc	0.036%
NMOT	44±2°C

**PACKING MANNER**

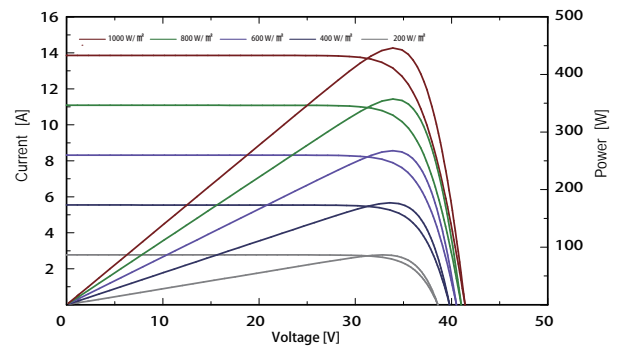
Packing Type	40HQ
Piece/Pallet	31
Pallet/Container	24
Piece/Container	744

**Engineering Design**

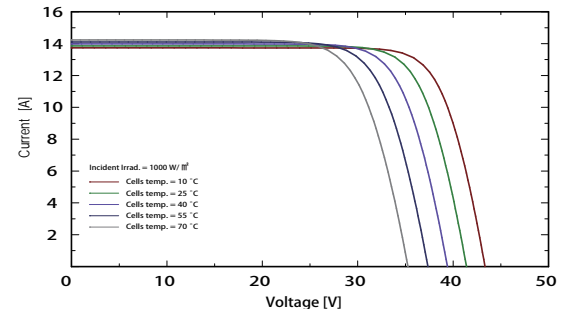
\*Unit:mm



**I-V/P-V Curve at Different Irradance (445W)**



**I-V Curve at Different Working Temperature (445W)**



\*Power measurement tolerance: ±3%

Version 2023.08 © Yangzhou Jinghua New Energy Technology Co., Ltd. All Rights Reserved. Specifications include in this datasheet are subject to change without notice.