

JHM5/66H 490-510Wp

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



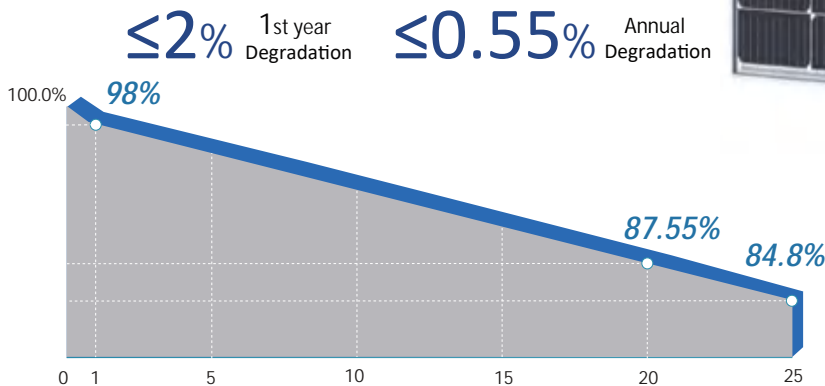
Better Micro Crack Resistance
Minimize the impact by micro crack by limiting cell damage and potentially extending area



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	JHM5/66H490		JHM5/66H495		JHM5/66H500		JHM5/66H505		JHM5/66H510	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax) (W)	490	364	495	367	500	371	505	375	510	379
Maximum Power Voltage (Vmp) (V)	38.0	34.4	38.2	34.5	38.4	34.7	38.6	34.8	38.8	35.0
Maximum Power Current (Imp) (A)	12.89	10.59	12.96	10.63	13.02	10.70	13.08	10.77	13.14	10.83
Open-circuit Voltage (Voc) (V)	45.3	41.9	45.4	42.0	45.5	42.1	45.6	42.2	45.7	42.3
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	20.64%		20.85%		21.06%		21.27%		21.48%	

*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

MECHANICAL CHARACTERISTICS

Cell Type	PERC Mono-Crystalline
Cell Arrangement	132pcs (2×(6×11))
Dimension (L×W×H)	2094×1134×35mm
Weight	26.5kg
Front Cover	3.2mm 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	25 A
Protection Class	Class II

TEMPERATURE CHARACTERISTICS

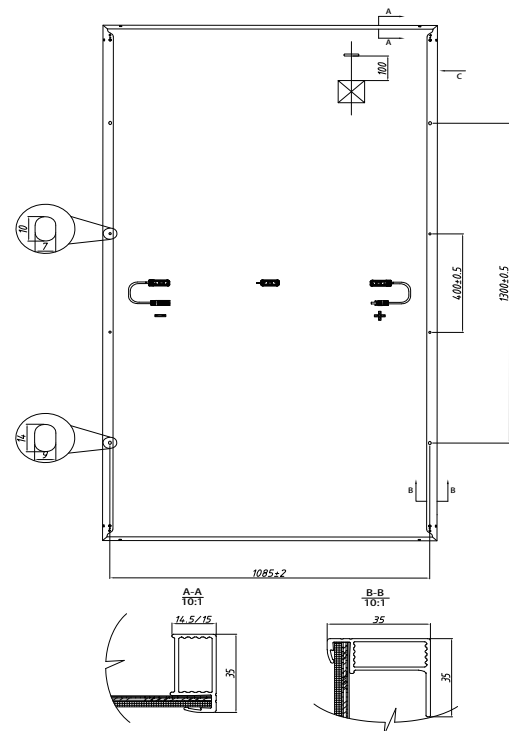
Temperature coefficient of Pmax	-0.35%
Temperature coefficient of Voc	-0.26%
Temperature coefficient of Isc	0.036%
NMOT	44±2°C

PACKING MANNER

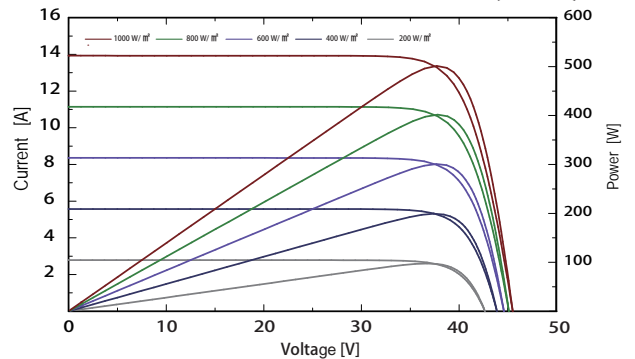
Packing Type	40HQ
Piece/Pallet	31
Pallet/Container	22
Piece/Container	682

Engineering Design

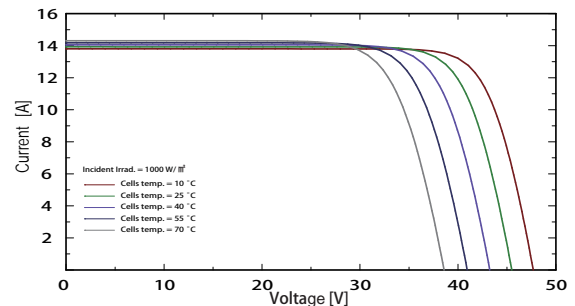
*Unit:mm



I-V/P-V Curve at Different Irradance (500W)



I-V Curve at Different Working Temperature (500W)



*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.