Golden Shark Series **JHM4/72H**

JHSHARK

JingHua Energy High Efficiency Monocrystalline Half-cut Cell Solar Module

No. of cells Power Output Range

144 CELL 440-465W

Maximun System Voltage Maximum Efficiency

1500V



High Output Power

The use of high quality cell and half-cell PERC technology enables modules up to 465W



High Reliability

Products through a variety of harsh environmental testing



Lower Temperature Coefficients

Enhance power generation



Reduce Shadow Loss

Effectively reduces the effect of shadow on the module surface



Better Micro Crack Resistance

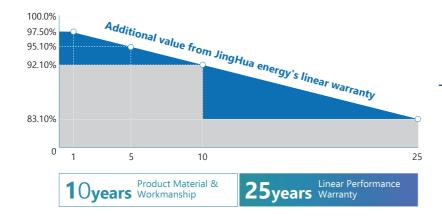
Minimize the impact by micro crack by limiting cell damage and potentially extending area



Excellent Anti-PID Performance

2 times of industry standard Anti-PID test by TUV (85°C/85%RH, 192h)

LINEAR PERFORMANCE WARRANTY



Comprehensive Products And System Certificates



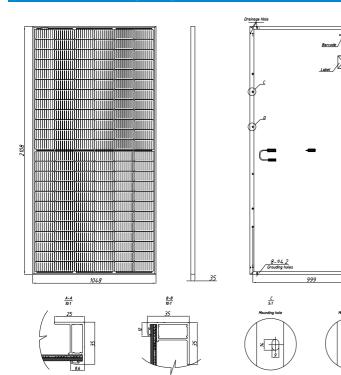




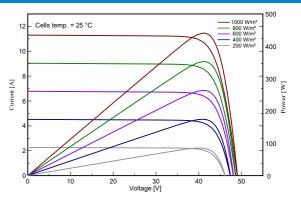
Swiss Re

IEC61215/61730:2016 IEC62804(PID free) IEC62716(Ammonia) IEC61701(Salt fog) ISO9001/14001/45001

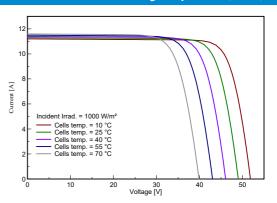
Module Dimension[mm]



I-V Curve at Different Irradance (440W)



I-V Curve at Different Working Temperature (440W)



ELECTRICAL DATA														
Module Type		JHM4/72H440		JHM4/7	JHM4/72H445		JHM4/72H450		JHM4/72H455		JHM4/72H460		JHM4/72H465	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	
Peak Power (Pmax)	(W)	440	330	445	334	450	337	455	341	460	345	465	349	
Maximum Power Voltage (Vmp)	(V)	40.8	38.0	41.1	38.3	41.4	38.6	41.7	38.9	42.0	39.2	42.3	39.5	
Maximum Power Current (Imp)	(A)	10.78	8.67	10.83	8.71	10.87	8.74	10.91	8.78	10.95	8.80	10.99	8.84	
Open-circuit Voltage (Voc)	(V)	48.9	46.3	49.2	46.6	49.5	46.9	49.7	47.1	49.9	47.4	50.1	47.7	
Short-circuit Current (Isc)	(A)	11.30	9.13	11.36	9.18	11.42	9.23	11.48	9.28	11.53	9.33	11.58	9.38	
Module Efficiency		19.92%		20.14%		20.	20.37%		20.60%		20.82%		21.05%	
Operating Temperature		-40°C~+85°C												
Maximum System Voltage		1500V												
Maximum Series Fuse Rating		20A												
Protection Class		Class II												
Power tolerance		0~+5W												

2/7

MECHNICAL DATA

Cell Type	Mono-Crystalline
Cell Arrangement	144pcs (2×(6×12))
Dimension (L×W×H)	2108×1048×35mm
Weight	24.5kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable	4mm²/300mm
Connector	Staubli EVO2 or Compatible
Snow/Wind Load	5400Pa/2400Pa

TEMPERATURE CHARACTERISTICS

Temperature coefficient of Pmax	-0.38%
Temperature coefficient of Voc	-0.30%
Temperature coefficient of Isc	0.06%
NMOT	44±2°C

PACKING MANNER

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

^{*}JingHua reserves the right to make any afjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorated into the binding contract made by the parties governing all transactions related to the purchase and sale of the produccts described herein.

Version 2021.03 © Jiangsu JingHua new energy operation management Co., Ltd All Rights Reserved.

^{*}STC (Standard Test Condition): Irradiance 1000W/ m³ , Module 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

^{*}Power measurement tolerance: ±3%