

# Blue Shark Series

## JHM5/72GD



JingHua Energy High Efficiency Monocrystalline  
Double Glass Module Half-cut Cell Solar Module

No. of cells                      Power Output Range  
**144 CELL**                      **530-550W**

Maximum System Voltage      Maximum Efficiency  
**1500V**                      **21.23%**



**High Output Power**  
The use of high quality cell and half-cell PERC technology enables modules up to 550W



**High Reliability**  
Products through a variety of harsh environmental testing



**Lower Temperature Coefficients**  
Enhance power generation



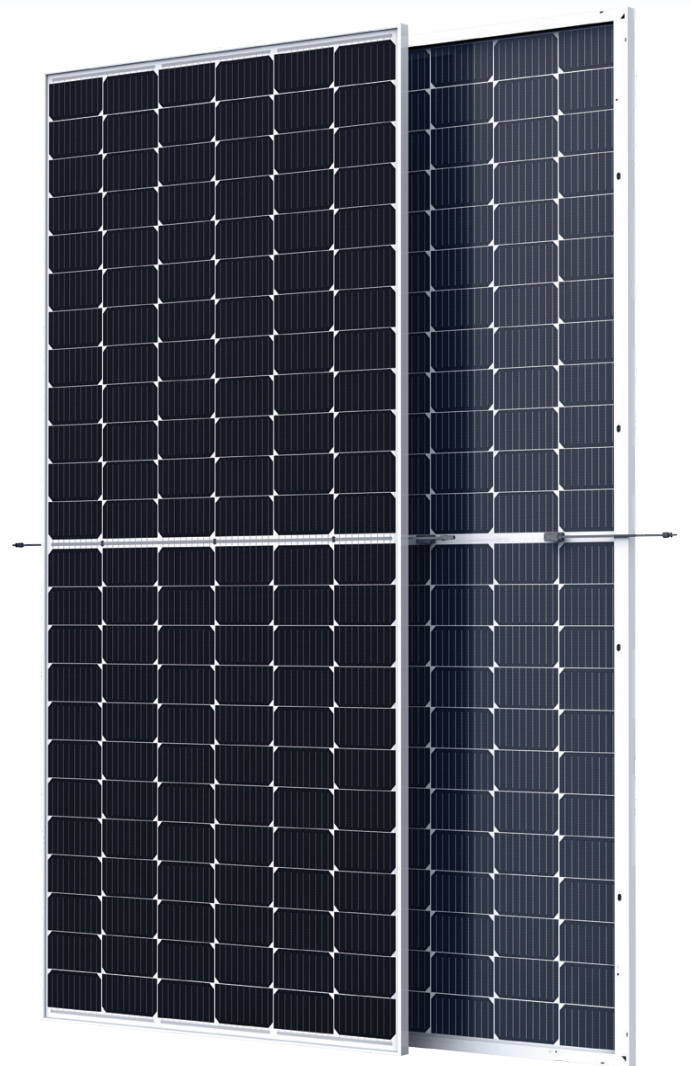
**Reduce Shadow Loss**  
Effectively reduces the effect of shadow on the module surface



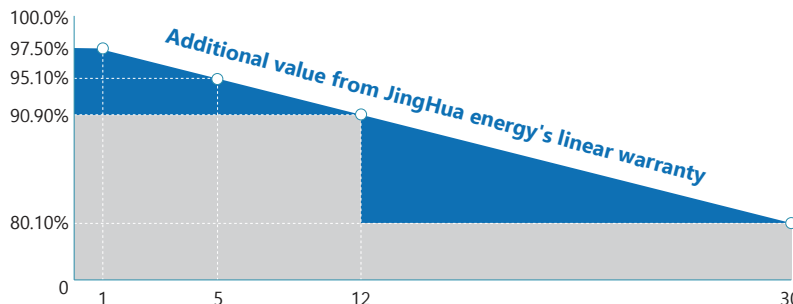
**Better Micro Crack Resistance**  
Minimize the impact by micro crack by limiting cell damage and potentially extending area



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



### LINEAR PERFORMANCE WARRANTY



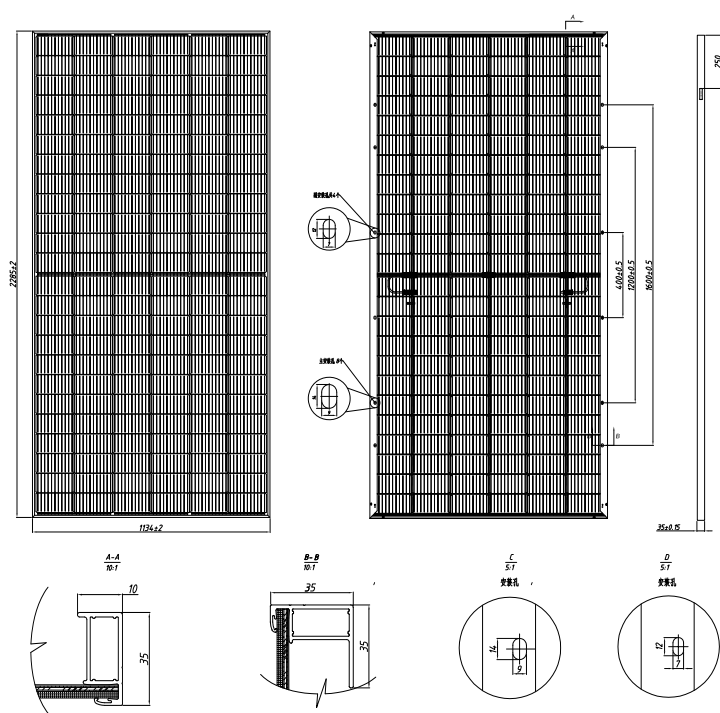
**12years** Product Material & Workmanship      **30years** Linear Performance Warranty

### Comprehensive Products And System Certificates

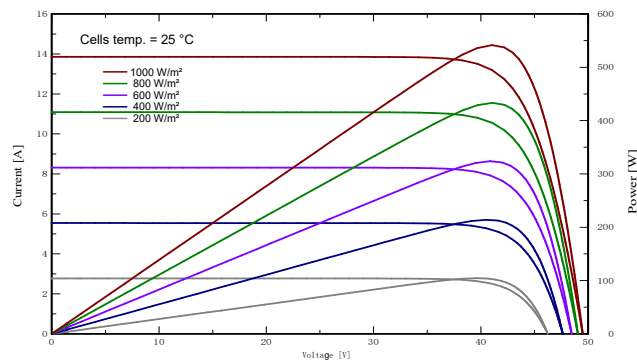


ISO9001 Quality Management System Certification  
ISO14001 Environment System Certification  
ISO45001 Occupational Health and Safety Management System Certification

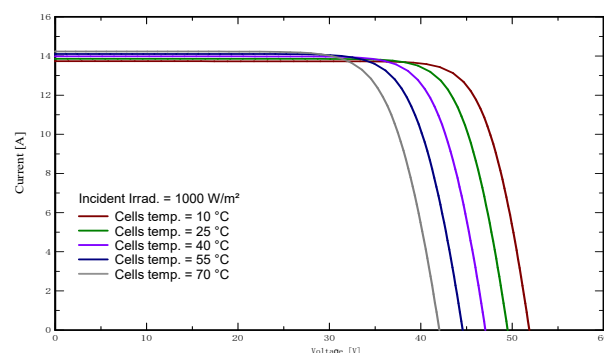
Module Dimension [ mm ]



I-V Curve at Different Irradance (540W)



I-V Curve at Different Working Temperature (540W)



ELECTRICAL DATA

Module Type	JHM5/72GD530		JHM5/72GD535		JHM5/72GD540		JHM5/72GD545		JHM5/72GD550	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax) (W)	530	392	535	396	540	400	545	404	550	408
Maximum Power Voltage (Vmp) (V)	41.4	37.4	41.6	37.6	41.8	37.7	42.0	37.8	42.2	38.0
Maximum Power Current (Imp) (A)	12.80	10.48	12.86	10.55	12.92	10.62	12.98	10.68	13.03	10.75
Open-circuit Voltage (Voc) (V)	49.3	45.6	49.4	45.7	49.5	45.8	49.6	45.9	49.7	46.0
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	20.45%		20.65%		20.84%				21.23%	
Operating Temperature	-40°C~+85°C									
Maximum System Voltage	1500V									
Maximum Series Fuse Rating	25A									
Protection Class	Class II									
Power tolerance	0~+5W									

\*STC (Standard Test Condition): Irradiance 1000W/ m<sup>2</sup>, Module 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 DATA

Cell Type	Mono-Crystalline
Cell Arrangement	144pcs (2×(6×12))
Dimension (L×W×H)	2285×1134×35mm
Weight	31.6kg
Front Cover	2.0mm +2.0mm Half Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable	4mm <sup>2</sup> /300mm
Connector	Staubli EVO2 or MC4 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	20
Piece/Container	620

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

\*Power measurement tolerance: ±3%

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