

Jinzhou Yangguang Energy Co Ltd.

MONO-CRYSTALLINE DOUBLE GLASS HALF-CUT MODULE

JMPV-HM6VHBM2/72-440(R)

JMPV-HM6VHBM2/72-445(R)

JMPV-HM6VHBM2/72-450(R)

Power Tolerance: 0~+5W



CELL TYPE

P Type/M6/PERC/Bifacial/9BB/Half Cell



HIGH EFFICIENCY , HIGH GENERATION

Bifacial Perc cell technology, using the reflected and scattered light in the environment effectively, the backside can gain 5-25% power generation.



SUPPORT 1500V SYSTEM

Increase the number of system modules in series, and reduce overall cost of terminal power plant.



STRONG MECHANICAL LOAD CAPACITY



Connector

Jinzhou Yangguang: C1

Multi-Contact:

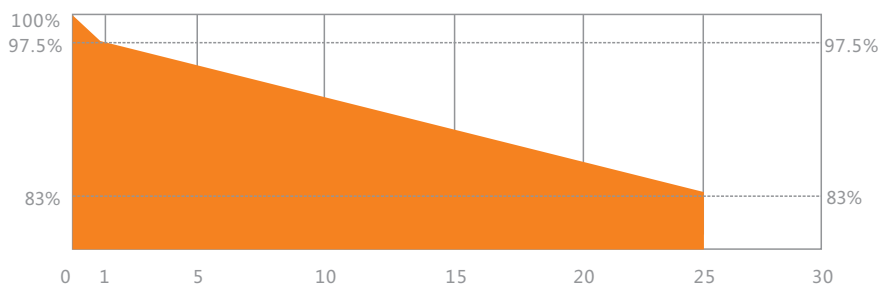
PV-kst4-EVO2/XY / PV-KBT4-EVO2/XY2

Fire resistance: Class A

10 YEARS product warranty

30 YEARS Power Output Warranty

IEC 61215/ IEC 61730



Jinzhou Yangguang Energy

Jinzhou Yangguang Energy Co Ltd, is a renewable energy company, which combines the business of the whole mono-crystalline industrial chain covering R&D, manufacturing, photovoltaic application and global marketing. It's committed to provide PV products, technical support and integrated system solution for global customers.

Website : www.solargiga.com

MONO-CRYSTALLINE DOUBLE GLASS HALF-CUT MODULE

MODEL NUMBER	JMPV-HM6VHBM2/72-440(R)	JMPV-HM6VHBM2/72-445(R)	JMPV-HM6VHBM2/72-450(R)
ELECTRICAL PARAMETERS(STC)			
Maximum Power (Pmax/W)	440	445	450
Maximum Power voltage (Vmp/V)	41.13	41.36	41.59
Maximum Power Current (Imp/A)	10.70	10.76	10.82
Open Circuit Voltage (Voc/V)	49.13	49.38	49.63
Short Circuit Current(Isc/A)	11.45	11.52	11.59
Module Efficiency(%)	20.24	20.47	20.70

STC(Standard Test Condition) :AM1.5;Irradiance 1000W/m², Cell Temperature 25°C

ELECTRICAL PARAMETERS(NMOT)			
Maximum Power (Pmax/W)	328.48	332.30	336.04
Maximum Power Voltage (Vmp/V)	38.33	38.55	38.76
Maximum Power Current (Imp/A)	8.57	8.62	8.67
Open Circuit Voltage (Voc/V)	45.95	46.18	46.41
Short Circuit Current (Isc/A)	9.24	9.30	9.36

NMOT (Nominal Module Operating Temperature) :Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

BIFACIAL GENERATION DATA(TAKE 450W FOR EXAMPLE)			
Power Gain	5%	15%	25%
Maximum Power (W)	472.46	517.38	612.83
Module Efficiency (%)	21.61	23.80	28.19
Maximum Power Voltage(Vmp/V)	41.59	41.59	41.59
Maximum Power Current(Imp/A)	11.36	12.44	13.53
Open Circuit Voltage(Voc/V)	49.63	49.63	49.63
Short Circuit Current(Isc/A)	12.17	13.33	14.49

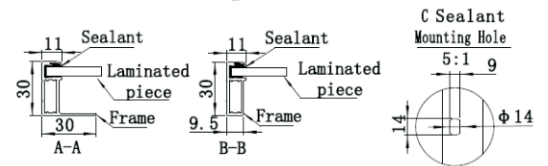
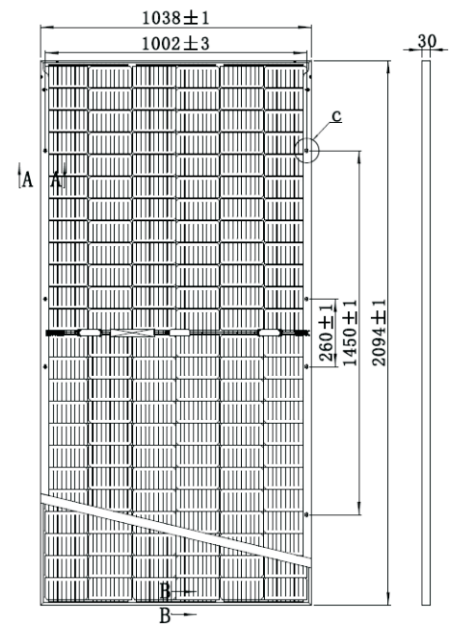
TEMPERATURE CHARACTERISTICS	
Cell Operating Temperature	45±2°C
Temperature Coefficient Of Isc	0.055%/°C
Temperature Coefficient Of Voc	-0.268%/°C
Temperature Coefficient Of Pmax	-0.348%/°C

MECHANICAL PARAMETERS			
Cell Type	P TYPE/M6/PERC/Bifacial/9BB/Half Cell 166×83mm		
Number Of Cells	144(6×12×2)pcs		
Weight	27.5±1kg		
Dimension	2094×1038×30mm		
Front Glass	Semi-tempered pattern coated glass	Frame	AL 6063-T5/6005-T6
Encapsulating Material	EVA/POE+POE	Junction Box	Protection Degree IP68
Back glass	Semi-tempered pattern /porcelain white	Cable	4.0 mm; Length as per customer requirement

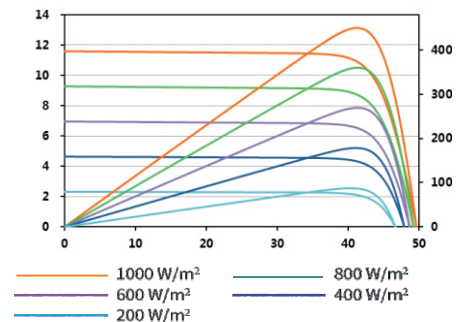
OPERATING CONDITIONS			
Maximum System Voltage	1500V	Front face Static Load (Snow etc)	Refer to installation Manual
Operating Temperature	-40°C~+85°C	Rear face Static Load (Wind etc)	Refer to installation Manual
Maximum Series Fuse Rating	20A	Installation should strictly obey the installation Manual of Jinzhou Yangguang Energy Co Ltd.	

PACKING INFORMATION	
36pcs/pallet	792pcs/40'HQ

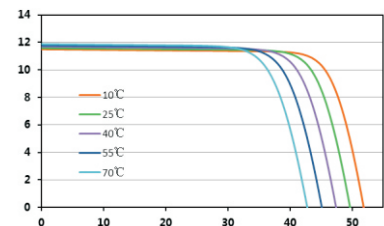
*Tolerance : Power measuring error +/-3% ; Voc±3% ; Isc±3%



Current (A) **Power-Voltage& Current-Voltage Curve** Power (W)



Current (A) **Current-Voltage Curve**



Sales HOT-line
 Domestic Sales : (86)416 508 1597
 Overseas Sales : (86)416 712 0178
 Xihai Industry Park, Economic and Technical
 Development Zone, Jinzhou, Liaoning
 Province, CHINA

Note : Electrical parameters are only used for comparison between different types of modules. Due to product innovation, Solargiga Energy reserves the right to adjust the information in this datasheet at any time without prior notice. The technical data in this datasheet may be slightly deviated. Customer shall obtain the latest version of the datasheet when signing contract and making it an integral part of the binding contract signed by both parties .



*Made in China