

Solargiga Energy

MONO-CRYSTALLINE BIFACIAL HALF-CUT MODULE

JMPV-XV6/72-545(R) JMPV-XV6/72-550(R)
JMPV-XV6/72-555(R) JMPV-XV6/72-560(R)
JMPV-XV6/72-565(R) JMPV-XV6/72-570(R)
JMPV-XV6/72-575(R) JMPV-XV6/72-580(R)

Maximum Power

580W

Maximum Efficiency

22.45%

Power Tolerance

0~+5W



CELL TYPE

N-Type/M10/TOPCon/Bifacial/16BB/Half-Cell



HIGH EFFICIENCY, HIGH GENERATION

Based on 182mm wafer, using TOPCon cell technology, module efficiency 22.45%, much higher yields, outstanding temperature coefficient, much better high temperature generation capability.



SUPPORT 1500V SYSTEM

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



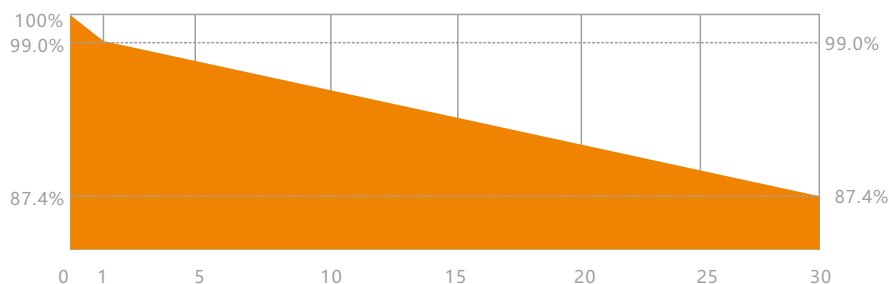
STRONG MECHANICAL LOAD CAPACITY

Withstand snow pressure up to 5400Pa on the front face and wind pressure up to 2400Pa on the rear face.

IEC 61215/ IEC 61730

12 YEARS Product Warranty

30 YEARS Power Output Warranty



PICC

ADDITIONAL PREMIUM INSURANCE
SERVICES ARE AVAILABLE



Solargiga Energy

Founded in 2001, 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.

MBB MONO-CRYSTALLINE BIFACIAL HALF-CUT MODULE

ELECTRICAL PARAMETERS (STC)

Model Number	JMPV-XV6 /72-545(R)	JMPV-XV6 /72-550(R)	JMPV-XV6 /72-555(R)	JMPV-XV6 /72-560(R)	JMPV-XV6 /72-565(R)	JMPV-XV6 /72-570(R)	JMPV-XV6 /72-575(R)	JMPV-XV6 /72-580(R)
Max Power Voltage(Vmp/V)	41.86	42.05	42.24	42.43	42.61	42.80	43.01	43.19
Max Power Current (Imp/A)	13.02	13.08	13.14	13.20	13.26	13.32	13.37	13.43
Open Circuit Voltage(Voc/V)	51.07	51.29	51.47	51.69	51.91	52.13	52.34	52.55
Short Circuit Current (Isc/A)	13.60	13.66	13.73	13.79	13.85	13.91	13.97	14.03
Module Efficiency (%)	21.10	21.29	21.48	21.68	21.87	22.07	22.26	22.45

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

ELECTRICAL PARAMETERS (NMOT)

Max Power (Pmax/W)	406.87	410.71	414.17	417.93	421.72	425.62	429.36	433.09
Max Power Voltage(Vmp/V)	39.01	39.19	39.37	39.54	39.71	39.89	40.09	40.25
Max Power Current (Imp/A)	10.43	10.48	10.52	10.57	10.62	10.67	10.71	10.76
Open Circuit Voltage(Voc/V)	47.76	47.97	48.13	48.34	48.55	48.75	48.95	49.14
Short Circuit Current (Isc/A)	10.98	11.03	11.08	11.13	11.18	11.23	11.28	11.33

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

BIFACIAL GENERATION DATA (580W FOR EXAMPLE)

Power Gain	5%	15%	25%
Maximum Power (W)	608.97	666.85	725.16
Module Efficiency (%)	23.57	25.82	28.07
Max Power Voltage(Vmp/V)	43.19	43.19	43.19
Max Power Current(Imp/A)	14.10	15.44	16.79
Open Circuit Voltage(Voc/V)	52.55	52.55	52.55
Short Circuit Current(Isc/A)	14.73	16.13	17.54

TEMPERATURE CHARACTERISTICS

Cell Operating Temperature	45±2°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Voc	-0.248%/°C
Temperature Coefficient of Pmax	-0.258%/°C

MECHANICAL PARAMETERS

Cell Type	N Type/M10/TOPCon/Bifacial/16BB/Half-Cell 182×91mm		
Number of Cells	144(6×12×2)		
Weight	32.5kg		
Dimension	2278×1134×30mm		
Front Glass	Semi-tempered coated glass	Frame	Anodized Aluminum
Encapsulating Material	POE	Junction Box	Protection Degree IP68
Back Glass	Semi-tempered glass	Cable	4.0 mm ² ±300mm; or customized length

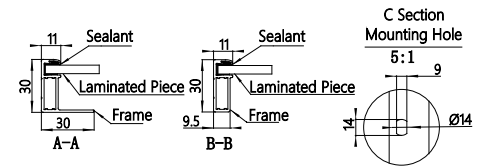
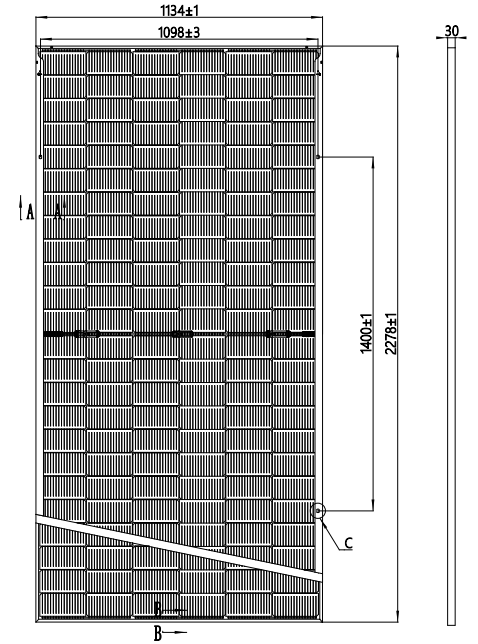
OPERATING CONDITIONS

Maximum System Voltage	1500V	Front Face Static Load (Snow etc)	5400Pa
Operating Temperature	-40°C~+85°C	Rear Face Static Load (Wind etc)	2400Pa
Maximum Series Fuse Rating	25A	Installation should strictly obey the installation manual of Solargiga Energy	

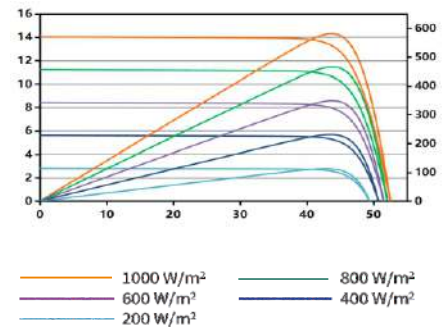
PACKING INFORMATION

36pcs/pallet	720pcs/40'HQ
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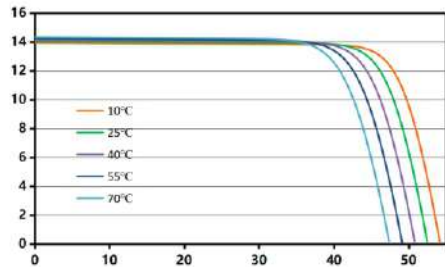
*Power test uncertainty +3%



Current (A) Power-Voltage&Current-Voltage Curve (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.

