

Solargiga Energy

# MONO-CRYSTALLINE BIFACIAL HALF-CUT MODULE

## JMPV-XV2/72-545~555(R)

Maximum Power

555W

Maximum Efficiency

21.48%

Power Tolerance

0~+5W



### CELL TYPE

P Type/M10/PERC/Bifacial/10BB/Half-Cell



### HIGH EFFICIENCY, HIGH GENERATION

Using bifacial PERC cell technology, absorbs the reflected and scattered light in the environment effectively, gain 5-25% more energy.



### EXCELLENT ANTI-PID PERFORMANCE

All products have excellent anti-PID performance to ensure module's stable power output.



### 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.

IEC61215/ IEC 61730

IEC62804 : Anti-PID Test

IEC61701 : Salt Spray Test

IEC62716 : Ammonia Corrosion Test

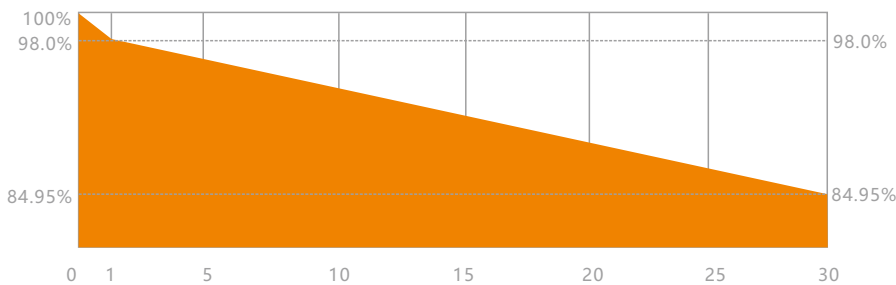
IEC60068-2-68: Dust and Sand Test

12 YEARS

Product Warranty

30 YEARS

Power Output Warranty



Solargiga Energy

Founded in 2000 , Solargiga Energy Holdings Limited ( 'Solargiga Energy' , HKEX:00757.HK ), 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

## JMPV-XV2/72-545~555(R)

MODEL NUMBER	JMPV-XV2/72-545~555(R)		
<b>ELECTRICAL PARAMETERS (STC)</b>			
Max Power (Pmax/W)	545	550	555
Max Power Voltage(Vmp/V)	42.25	42.44	42.63
Max Power Current (Imp/A)	12.90	12.96	13.02
Open Circuit Voltage(Voc/V)	50.40	50.63	50.87
Short Circuit Current (Isc/A)	13.77	13.83	13.89
Module Efficiency (%)	21.10	21.29	21.48

STC(Standard Test Condition): AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C

<b>ELECTRICAL PARAMETERS (NMOT)</b>			
Max Power (Pmax/W)	406.79	410.52	414.38
Max Power Voltage(Vmp/V)	39.38	39.55	39.73
Max Power Current (Imp/A)	10.33	10.38	10.43
Open Circuit Voltage(Voc/V)	47.13	47.35	47.57
Short Circuit Current (Isc/A)	11.12	11.17	11.21

NMOT(Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

<b>BIFACIAL GENERATION DATA (TAKE 555W FOR EXAMPLE)</b>			
Power Gain	5%	15%	25%
Maximum Power (W)	582.75	638.17	694.01
Module Efficiency (%)	22.56	24.71	26.86
Max Power Voltage(Vmp/V)	42.63	42.63	42.63
Max Power Current(Imp/A)	13.67	14.97	16.28
Open Circuit Voltage(Voc/V)	50.87	50.87	50.87
Short Circuit Current(Isc/A)	14.58	15.97	17.36

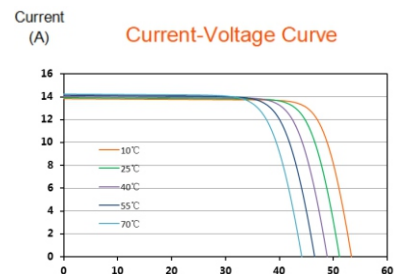
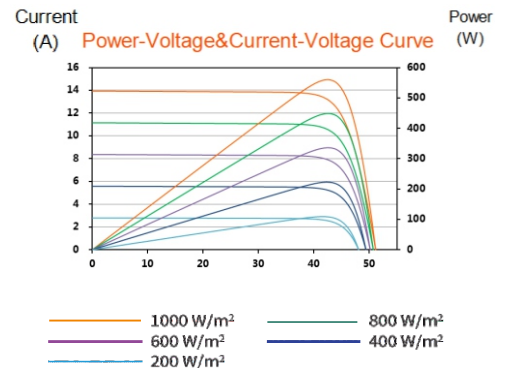
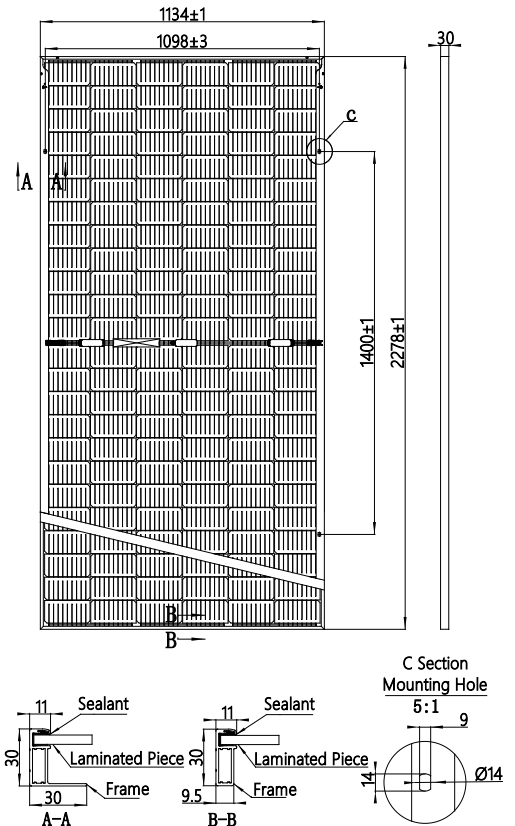
<b>TEMPERATURE CHARACTERISTICS</b>	
Cell Operating Temperature	45±2°C
Temperature Coefficient of Isc	0.049%/°C
Temperature Coefficient of Voc	-0.267%/°C
Temperature Coefficient of Pmax	-0.349%/°C

<b>MECHANICAL PARAMETERS</b>			
Cell Type	P Type/M10/PERC/Bifacial/10BB/Half-Cell 182×91mm,		
Number of Cells	144(6×12×2)		
Weight	32.5±1kg		
Dimension	2278×1134×30		
Front Glass	Semi-tempered coated glass	Frame	Anodized Aluminum
Encapsulating Material	EVA/POE+POE	Junction Box	Protection Degree IP68
Back Glass	Semi-tempered glass	Cable	4.0 mm <sup>2</sup> ±300mm; or customized length

<b>OPERATING CONDITIONS</b>			
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	

<b>PACKING INFORMATION</b>	
36pcs/pallet	720pcs/40'HQ

\*Power test uncertainty +/-3%



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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.

