

# Solargiga Energy GiGa 2

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

MONO-CRYSTALLINE BIFACIAL HALF-CUT MODULE

Maximum Power	Maximum Efficiency	Power Tolerance
555W	21.5%	0~+5W



## CELL TYPE

P Type/MBB/Monocrystalline/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

Cell manufacturing technology optimization and materials control will help reduce PID degradation rate to the minimum.



## 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/IEC61730

IEC 62804: Anti-PID Test

IEC 61701: Salt Spray Test

IEC 62716: Ammonia Corrosion Test

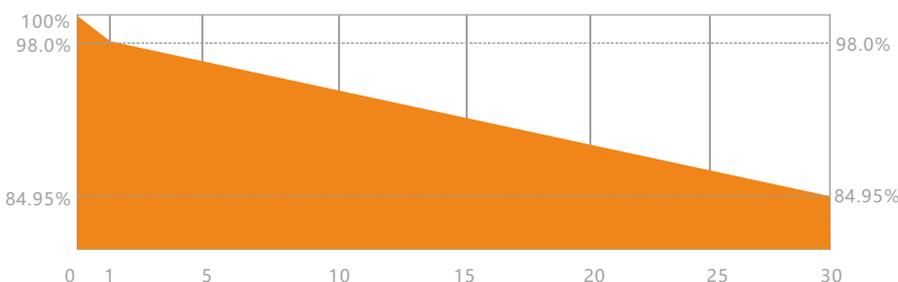
IEC 60068-2-68 : Dust and Sand Test

12 YEARS

Product Warranty

30 YEARS

Power Output Warranty



**PICC**

ADDITIONAL PREMIUM INSURANCE  
SERVICES ARE AVAILABLE



Solargiga Energy

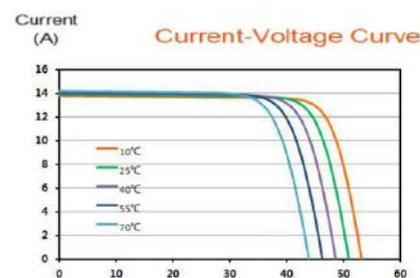
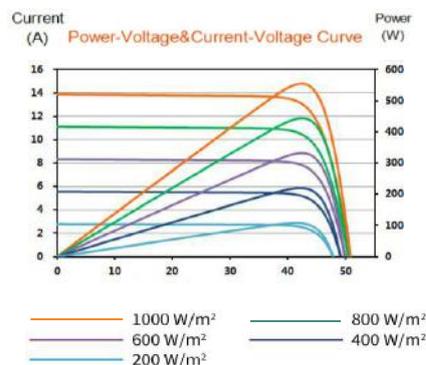
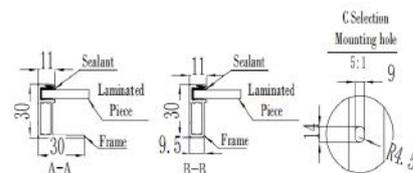
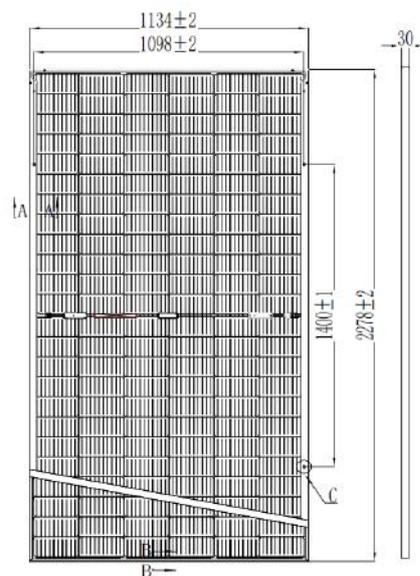
Founded in 2000, Solargiga Energy Holdings Limited ('Solargiga Energy', HKEX:00757.HK), is a renewable energy company which combines the business of the whole mono-crystalline industrial chain covering R&D manufacturing, photovoltaic application and global marketing. It's committed to provide PV products, 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 (%)	21.1	21.3	21.5	
STC(Standard Test Condition): AM1.5, Irradiance 1000W/m,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,Ambient Temperature 20°C, Wind Speed 1m/s				
<b>BIFACIAL GENERATION DATA (560W FOREXAMPLE)</b>		Bifacial generation varies relying on albedo, height from ground, interval etc. Below data are for reference only.		
Power Gain	5%	15%	25%	
Maximum Power (W)	582.75	638.17	694.01	
Module Efficiency (%)	22.6	24.7	26.9	
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/MBB/Monocrystalline/Half-Cell			
Number of Cells	144(6x12x2)			
Weight	32.5±1kg			
Dimension	2278x1134x30			
Front Glass	Semi-tempered embossed coated glass	Frame	Anodized Aluminum	
Encapsulating Material	EVA/POE	Junction Box	Protection Degree IP68	
Back Glass	Semi-tempered embossed/high-reflection	Cable	4.0mm²+350.-250mm; 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	30A	Installation should strictly obey the installation manual of Solargiga Energy		
<b>PACKING INFORMATION</b>				
36pcs/pallet	720pcs/40'HQ			

\*Powertestuncertainty +/-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.

