Solargiga Energy

Giga Sup7

JMPV-XV6/72-585~600(R)

MONO-CRYSTALLINE BIFACIAL HALF-CUT MODULE

Maximum Power	Maximum Efficiency	Power Tolerance
600W	23.2%	0~+3%

CELL TYPE

N Type/MBB/Monocrystalline/Half-Cell

HIGH EFFICIENCY, HIGH GENERATION

Based on monocrystalline silicon wafer and TOPCon cell technology, the power generation efficiency has greatly improved with lower degradation and better temperature coefficient.

EXCELLENT ANTI-PID PERFORMANCE

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

HARSH ENVIRONMENTAL ADAPTABILITY

Strict salt spray and ammonia corrosion test to ensure good adaptablility to harsh environment.

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

IEC 62804: Anti-PID Test

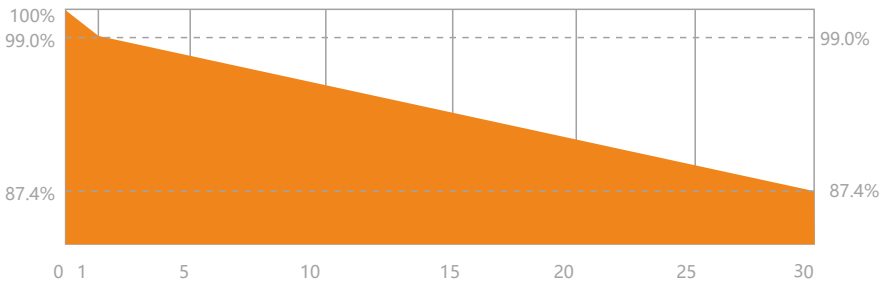
IEC 61701: Salt Spray Test

IEC 62716: Ammonia Corrosion Test

IEC 60068-2-68 : Dust and Sand Test

12 YEARS Product Warranty

30 YEARS Power Output Warranty



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-XV6/72-585~600(R)

MODEL NUMBER	JMPV-XV6/72-585~600(R)			
ELECTRICAL PARAMETERS (STC)				
Max Power (Pmax/W)	585	590	595	600
Max Power Voltage(Vmp/V)	43.37	43.55	43.72	43.90
Max Power Current (Imp/A)	13.49	13.55	13.61	13.67
Open Circuit Voltage(Voc/V)	52.76	52.98	53.19	53.41
Short Circuit Current (Isc/A)	14.09	14.15	14.21	14.27
Module Efficiency (%)	22.7	22.8	23.0	23.2

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

ELECTRICAL PARAMETERS (NMOT)				
Max Power (Pmax/W)	436.53	440.40	444.18	447.96
Max Power Voltage(Vmp/V)	40.42	40.59	40.75	40.91
Max Power Current (Imp/A)	10.80	10.85	10.90	10.95
Open Circuit Voltage(Voc/V)	49.34	49.55	49.74	49.95
Short Circuit Current (Isc/A)	11.37	11.42	11.47	11.52

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

BIFACIAL GENERATION DATA (600W FOR EXAMPLE) 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)	629.97	690.10	750.25
Module Efficiency (%)	24.4	26.7	29.0
Max Power Voltage(Vmp/V)	43.90	43.90	43.90
Max Power Current(Imp/A)	14.35	15.72	17.09
Open Circuit Voltage(Voc/V)	53.41	53.41	53.41
Short Circuit Current(Isc/A)	14.98	16.41	17.84

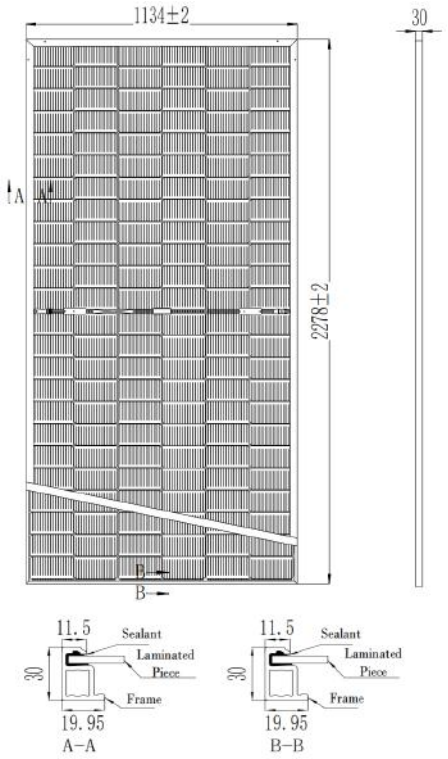
TEMPERATURE CHARACTERISTICS	
Cell Operating Temperature	45±2℃
Temperature Coefficient of Isc	0.047%/℃
Temperature Coefficient of Voc	-0.240%/℃
Temperature Coefficient of Pmax	-0.290%/℃

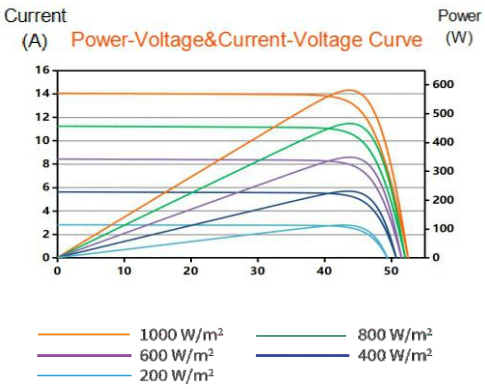
MECHANICAL PARAMETERS			
Cell Type	N Type/MBB/Monocrystalline/Half-Cell		
Number of Cells	144(6×12×2)		
Weight	33.2±1kg		
Dimension	2278×1134×30mm		
Front Glass	Semi-tempered embossed coated glass	Frame	PU composite
Encapsulating Material	EVA/POE	Junction Box	Protection Degree IP68
Back Glass	Semi-tempered embossed	Cable	4.0 mm²/+300mm,−200mm; or customized length

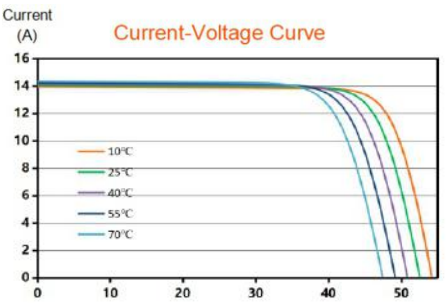
OPERATING CONDITIONS			
Maximum System Voltage	1500V	Max Front Face Static Load (Snow etc)	5400Pa
Operating Temperature	-40℃~+85℃	Max Rear Face Static Load (Wind etc)	2400Pa
Maximum Series Fuse Rating	30A	Installation should strictly obey the installation manual of Solargiga Energy	

PACKING INFORMATION	
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.