

# Solargiga Energy Giga Sup7

JMPV-XVT6/66-610~620(R)

MONO-CRYSTALLINE BIFACIAL HALF-CUT MODULE

|               |                    |                 |
|---------------|--------------------|-----------------|
| Maximum Power | Maximum Efficiency | Power Tolerance |
| 620W          | 23.0%              | 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.



## 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

IEC 62804: Anti-PID Test

IEC 61701: Salt Spray Test

IEC 62716: Ammonia Corrosion Test

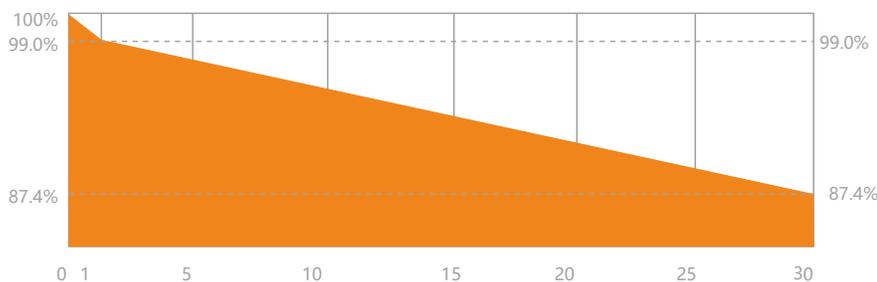
IEC 60068-2-68 : Dust and Sand Test

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-XVT6/66-610~620(R)

| MODEL NUMBER                       | JMPV-XVT6/66-610~620(R) |       |       |
|------------------------------------|-------------------------|-------|-------|
| <b>ELECTRICAL PARAMETERS (STC)</b> |                         |       |       |
| Max Power (Pmax/W)                 | 610                     | 615   | 620   |
| Max Power Voltage(Vmp/V)           | 40.56                   | 40.73 | 40.90 |
| Max Power Current (Imp/A)          | 15.04                   | 15.10 | 15.16 |
| Open Circuit Voltage(Voc/V)        | 48.54                   | 48.75 | 48.96 |
| Short Circuit Current (Isc/A)      | 16.00                   | 16.06 | 16.12 |
| Module Efficiency (%)              | 22.6                    | 22.8  | 23.0  |

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)                  | 455.49 | 458.93 | 462.77 |
| Max Power Voltage(Vmp/V)            | 37.80  | 37.96  | 38.12  |
| Max Power Current (Imp/A)           | 12.05  | 12.09  | 12.14  |
| Open Circuit Voltage(Voc/V)         | 45.39  | 45.59  | 45.79  |
| Short Circuit Current (Isc/A)       | 12.92  | 12.97  | 13.01  |

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

|  |        |        |        |
|--|--------|--------|--------|
| <b>BIFACIAL GENERATION DATA (620W FOR EXAMPLE)</b> |        |        |        |
| Power Gain   | 5%     | 15%    | 25%    |
| Maximum Power (W)                                  | 651.12 | 712.88 | 775.05 |
| Module Efficiency (%)                              | 24.1   | 26.4   | 28.7   |
| Max Power Voltage(Vmp/V)                           | 40.90  | 40.90  | 40.90  |
| Max Power Current(Imp/A)                           | 15.92  | 17.43  | 18.95  |
| Open Circuit Voltage(Voc/V)                        | 48.96  | 48.96  | 48.96  |
| Short Circuit Current(Isc/A)                       | 16.93  | 18.54  | 20.15  |

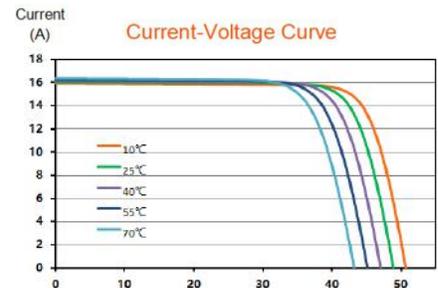
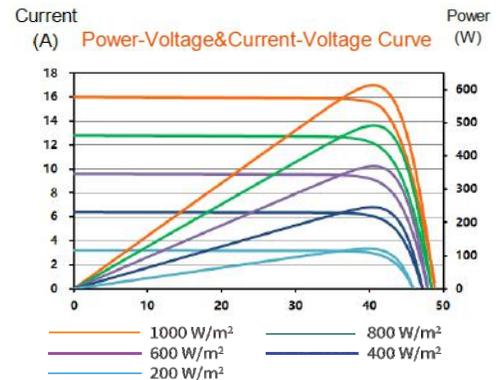
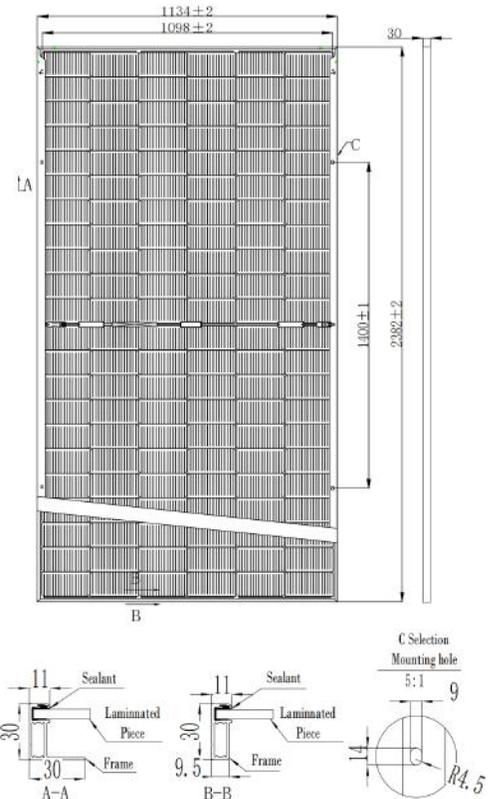
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|------------------------------------|------------|
| <b>TEMPERATURE CHARACTERISTICS</b> |            |
| Cell Operating Temperature         | 45±2°C     |
| Temperature Coefficient of Isc     | 0.047%/°C  |
| Temperature Coefficient of Voc     | -0.240%/°C |
| Temperature Coefficient of Pmax    | -0.290%/°C |

|                              |  |              |   |
|------------------------------|--|--------------|---|
| <b>MECHANICAL PARAMETERS</b> |  |              |   |
| Cell Type                    | N Type/MBB/Monocrystalline/Half-Cell   |              |   |
| Number of Cells              | 132(6×11×2)                            |              |   |
| Weight                       | 34±1.0kg                               |              |   |
| Dimension                    | 2382×1134×30mm                         |              |   |
| Front Glass                  | Semi-tempered embossed coated glass    | Frame        | Anodized Aluminum                                       |
| Encapsulating Material       | EVA/POE+POE                            | Junction Box | Protection Degree IP68                                  |
| Back Glass                   | Semi-tempered embossed/high-reflection | Cable        | 4.0mm <sup>2</sup> /+350mm,+250mm; or customized length |

|                             |             |   |        |
|-----------------------------|-------------|---|--------|
| <b>OPERATING CONDITIONS</b> |             |   |        |
| Maximum System Voltage      | 1500V       | Max Front Face Static Load (Snow etc)   | 5400Pa |
| Operating Temperature       | -40°C~+85°C | Max 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 |

\*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.

