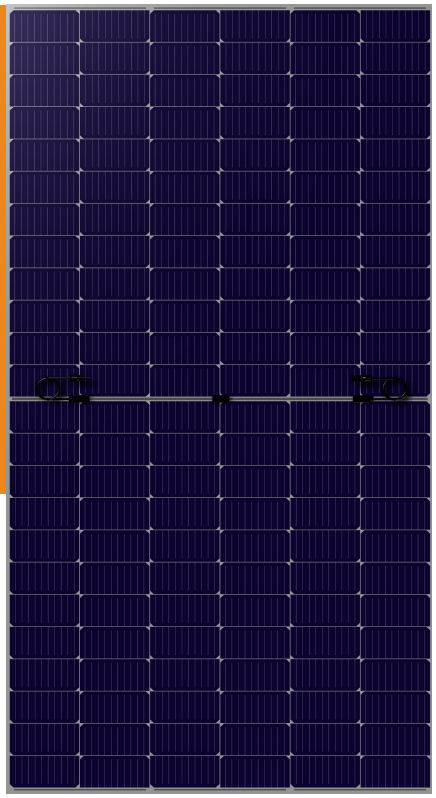
Solargiga Energy

Giga 2

JMPV-XQM1/72-505~520(R)

MONO-CRYSTALLINE HALF-CUT FLEXIBLE MODULE

MaximumPower	Maximum Efficiency	PowerTolerance
520W	20.0%	0~+5W



CELL TYPE
Perc/MBB/Monocrystalline/Half-Cell

LIGHT, THIN DESIGN
Glass and frame free module weighs 9.5kg, 2.5mm thickness, 70% lighter than conventional glass modules, match various requirements for low-load projects.

ULTRA FLEXIBLE
Advanced organic polymer encapsulation materials to improve the flexibility of the module, fit all kinds of curved surface perfectly.

BUILDING INTEGRATION
Eliminate the traditional mounting system, Integration with underlying installation surface, ensuring the waterproof and safety performance ofthe roof, easy installation.

CUSTOMIZABLE
Customized design for different scenarios.

MANAGEMENT SYSTEM CERTIFICATES

ISO 9001: Quality Management System

ISO 14001: Environmental Management System

ISO 45001: Occupational Health and Safety Management System

ISO 5001: Energy Management System

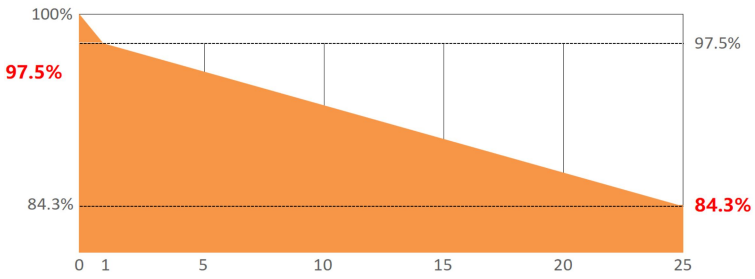
ISO 14067: Product Carbon Footprint Limited Assurance

ISO 14025: Product Environmental Declaration

IEC 62941: Quality Management System for PV Module Manufacturing

12 YEARS	Product Warranty

25 YEARS	Power Output Warranty



First Year Power Degradation : 2.5% , Subsequent Annual Power Degradation : 0.55%.
*Please refer to the product warranty for details.

*The specific certificates applicable to different module types and markets will vary, and therefore not all of the certifications listed herein will simultaneously apply to the products you order oruse. Please contact your local Solargiga Energy sales representative to confirm the specific certificates available for your Product and applicable in the regions in which the products will be used.

PICC
ADDITIONAL PREMIUM INSURANCE SERVICES ARE AVALABLE

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.

Website: en.solargiga.com

MONO-CRYSTALLINE HALF-CUT FLEXIBLE MODULE

MODEL NUMBER	JMPV-XQM1/72-505~520(R)			
ELECTRICAL PARAMETERS (STC)				
Max Power (Pmax/W)	505	510	515	520
Max Power Voltage(Vmp/V)	41.40	41.60	41.80	42.00
Max Power Current (Imp/A)	12.20	12.27	12.33	12.39
Open Circuit Voltage(Voc/V)	50.30	50.50	50.70	50.90
Short Circuit Current (Isc/A)	12.80	12.86	12.92	12.98
Module Efficiency (%)	19.4	19.6	19.8	20.0
STC(Standard Test Condition): AM1.5, Irradiance 1000W/m^2, Cell Temperature 25℃				
ELECTRICAL PARAMETERS (NMOT)				
Max Power (Pmax/W)	378.95	382.75	386.48	390.32
Max Power Voltage(Vmp/V)	38.59	38.78	38.96	39.15
Max Power Current (Imp/A)	9.82	9.87	9.92	9.97
Open Circuit Voltage(Voc/V)	47.67	47.86	48.05	48.24
Short Circuit Current (Isc/A)	10.38	10.43	10.48	10.52
NMOT(Nominal Module Operating Temperature): Irradiance 800W/m^2, Ambient Temperature 20℃, Wind Speed 1m/s				

TEMPERATURE CHARACTERISTICS	
Cell Operating Temperature	42.5±2℃
Temperature Coefficient of Isc	0.054%/ ℃
Temperature Coefficient of Voc	- 0.262%/℃
Temperature Coefficient of Pmax	- 0.341%/ ℃

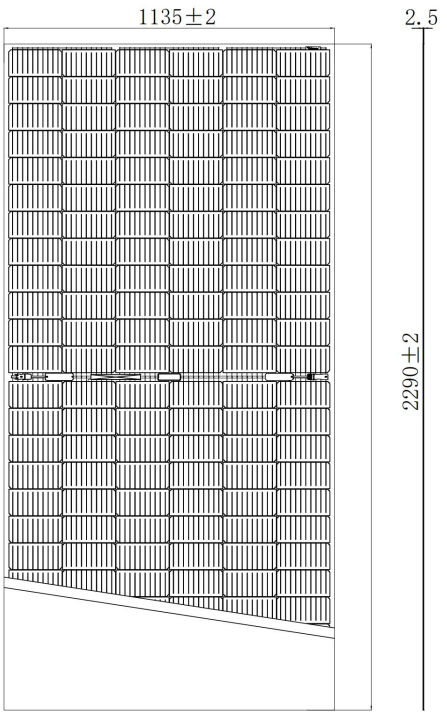
MECHANICAL PARAMETERS	
Cell Type	P Type/MBB/Monocrystalline/Half-Cell
Number of Cells	144 Pcs
Weight	9.5kg
Dimension	2290 ×1135 ×2.5mm
Encapsulant	EVA
Glass	None
Backsheet	White
Frame	Frameless
Junction Box	Protection Degree IP68; 3 diodes
Cable	1×4.0 mm² ; +300mm, -200mm /or customized length
Bending radius	Minimum 0.5m

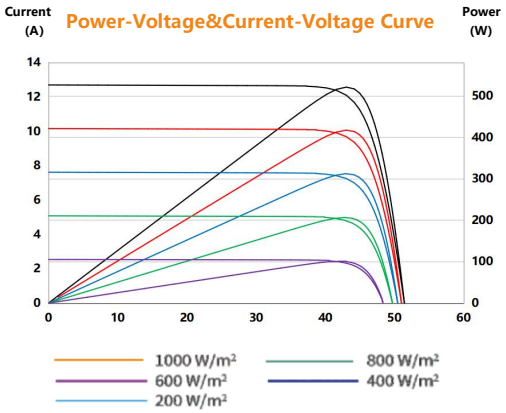
OPERATING CONDITIONS	
Maximum System Voltage	1500V
Operating Temperature	-40℃~+85℃
Maximum Series Fuse Rating	25A
Connector	MC4 Compatibility

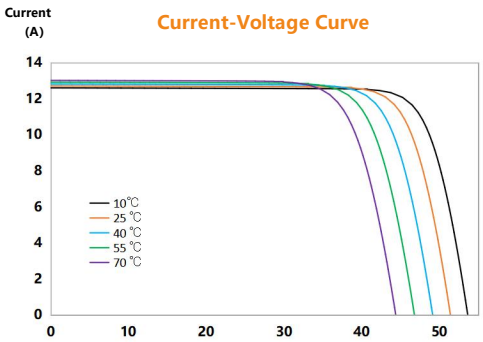
*Installation should strictly obey the installation manual of Solargiga Energy

PACKING INFORMATION	
Pcs/pallet	40
Pcs/40'HQ	320
Pcs/17.5m flatcar	960

*Powertestuncertainty +/-3%







Solargiga Energy

Sales HOT-line: (86)0416 508 1599

E-mail: sales@ jz.solargiga.com

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.