Installation Guide

for

SERAPHIM photovoltaic module

2020 V3.2

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1. Purpose of this guide

- This is guide contains information regarding the installation and safe handling of SERAPHIM solar system Co., Ltd, photovoltaic module (hereafter referred to as “module”). SERAPHIM solar system Co., Ltd. referred to as “SERAPHIM”.
- Installers must read and understand this guide prior to installation. For any questions, please contact our Global Quality & Customer Support department for further information. Installers should follow all safety precautions described in this guide as well as local codes when installing a module.
- Before installing a solar photovoltaic system, installers should familiarize themselves with its mechanical and electrical requirements. Keep this guide in a safe place for future reference (care and maintenance) and in case of sale or disposal of the modules.

1.1General safety

- Modules that fall under this application class may be used in system operating at more than 50V DC or 240W, where general contact access is anticipated. The module is considered to be in compliance with IEC61215&61730 only when the modules mounted in the manner specified by the mounting instructions below.
- A module with exposed conductive parts is considered to be in compliance with IEC61215&61730 only when it is electrically grounded in accordance with the instructions presented below and the requirements of the National Electrical Code.
- Installing solar photovoltaic systems requires specialized skills and knowledge. Installation should only be performed by qualified persons.
- Installers should assume all risks of injury that might occur during installation, including, but not limited to, the risk of electric shock.
- One single module may generate more than 30V DC when exposed to direct sunlight. Contact with a DC voltage of 30V or more is potentially hazardous.
- Do not disconnect under load.
- Photovoltaic solar modules convert light energy to direct current electrical energy. They are designed for outdoor use. Modules can be ground mounted, mounted on rooftops, vehicles or boats. The proper design of support structures lies within responsibility of the system designers and installers.
- Do not use mirrors or other magnifiers to concentrate sunlight onto the modules.

- When installing the system, abide to all local, regional and national statutory regulations. Obtain a building permit if necessary.
- This product must be installed by a licensed electrician in accordance with the applicable electrical code (i.e. the NEC for the USA and CEC for Canada).
- The electrical characteristics are under standard test conditions (irradiance of 100 mW/cm2, AM 1.5 spectrum, and a cell temperature of 25°C (77°F)).
- Only use equipment, connectors, wiring and support frames suitable for solar electric systems.

Handling safety

- Do not lift the module by grasping the module's junction box or electrical leads.
- Do not stand or step on the module.
- Do not drop the module or allow objects to fall on the module.
- To avoid glass breakage, do not place any heavy objects on the module.
- Be cautious when setting the module down on to a surface.
- Inappropriate transport and installation may break the module.
- Do not attempt to disassemble the modules, and do not remove any attached nameplates or components from the modules.
- Do not apply paint or adhesive to the module top surface.
- To avoid damage to the backsheet, do not scratch or hit the backsheet.
- Do not drill holes in the frame. This may compromise the frame strength and cause corrosion of the frame.
- Do not scratch the anodized coating of the frame (except for grounding connection). It may cause corrosion of the frame or compromise the frame strength.
- Be carefulwhen setting the panel down onto a surface, particularly when placing it on a corner.
- A panel with broken glass or torn backsheet cannot be repaired and must not be used since contact with any panel surface or the frame can cause a electric shock.
- Work only under dry conditions, and use only dry tools. Do not handle panels when they are wet unless wearing appropriate protective equipment.
- When storing uninstalled panels outdoors for any period of time, always cover the panels and ensure that the glass faces down to stop water from collecting inside the panel and causing damage to exposed connectors.

Installation safety

- Any module without a frame (laminate) shall not be considered to comply with the requirements of IEC61215&61730 unless the module is mounted with hardware that has been

tested and evaluated with the module under this standard or by a field Inspection certifying that the installed module complies with the requirements of IEC61215&61730.

- Never open electrical connections or unplug connectors while the circuit is under load. And do not disconnect during load connection for a removable connector.
- Contact with electrically charged parts of the panels, such as terminals, can result in burns, sparks and lethal shock whether or not the panel is connected.
- Do not touch the PV module unnecessarily during installation. The glass surface and the frame may be hot; there is a risk of burns and electric shock.
- Do not work in the rain, snow or in windy conditions.
- Avoid exposing cables to direct sunlight in order to prevent their degradation.
- Keep children well away from the system while transporting and installing mechanical and electrical components.
- Do not expose the artificially sunlight to a module or panel. And completely cover the module with an opaque material during installation to prevent electricity from being generated.
- Do not wear metallic rings, watchbands, ear, nose, lip rings or other metallic objects while installing or troubleshooting photovoltaic systems.
- Use only insulated tools that are approved for working on electrical installations.
- Follow the safety regulations for all other system components, including wires and cables, connectors, charging regulators, inverters, storage batteries, rechargeable batteries, etc.
- Under normal outdoor conditions the current and voltage generated by the system will differ from those listed on the datasheet. Datasheet values are the values measured under standard test conditions. Accordingly, during system designing phase, current and short-circuit current should be multiplied by a factor of 1.25 to determine components ratings.
- Only use connectors to connect modules to form a string, or connect to another device. Removing the connectors will make the warranty void.

Fire Safety

- The fire rating of this module is valid only when mounted in the manner specified in the mechanical mounting instructions.
- The fire rating of the module can be referred to IEC790.
- Consult your local authority for guidelines and requirements for building or structural fire safety.

- Roof constructions and installations may affect the fire safety of a building; Improper installation may create hazards in the event of a fire.
- Use components such as ground fault circuit breakers and fuses as required by local authority.
- Do not use panels near equipment or in places where flammable gases may be generated.
- Do not use non-integral module and panel are installed on a roof that has fire danger. If a non-integral module and panel are installed on a roof that must has fire-resistant degree of class A.
- The safe distance between the module and the roof we suggest is 20~30 centimeters.

Product Identification

Each module has two labels providing the following information:

1. **Nameplate:** describes the product type; rated power, rated current, rated voltage, open circuit voltage, short circuit current, all as measured under standard test conditions; weight, dimensions etc.; the Maximum System Voltage(IEC) of 1500 volts DC.

2. **Barcode:** each individual module has a unique serial number. The serial number has 18 digits. The first is type, the second is poly or mono silicon, the third is factory, the fourth is cell size , the fifth and sixth is pcs of cells, the seventh to tenth is year and month, the eleventh and thirteenth is batch number, the fourteenth to eighteenth is number . Each module has only one barcode. It is permanently attached to the interior of the module and is visible from the front of the module. This bar code is inserted prior to laminating..

Do not remove any labels. Removing a label will make the seraphim warranty void.

Mechanical Installation

Selecting the location

- Select a suitable location for installing the modules.
- The suitable altitude for installing is below 2000 meters.
- The modules should be facing south in northern latitudes and north in southern latitudes.

- For detailed information on the best installation angle, refer to standard solar photovoltaic installation guides or consult a reputable solar installer or systems integrator.
- The module should not be shaded at any time.
- Do not use modules near equipment or in locations where flammable gases may be generated or collected.

General Installation

- The module mounting structure must be made of durable, corrosion-resistant and UV-resistant material.
- In regions with heavy snowfall in winter, select the height of the mounting system so that the lowest edge of the module is not covered by snow for any length of time.
- In addition, ensure that the lowest portion of the module is placed high enough so that it is not shaded by plants or trees or damaged by flying sand.
- Modules must be securely attached to the mounting structure.
- Provide adequate ventilation under the modules in conformity to your local regulations. A minimum distance of 10 cm between the roof plane and the frame of the module is generally recommended.
- Always observe the instructions and safety precautions included with the module support frames.
- Do not attempt to drill holes in the glass surface of the modules as this will void the warranty.
- Do not drill additional mounting holes in the module frames of the modules as this will void the warranty.
- Before installing modules on a roof, ensure that the roof construction is suitable. In addition, any roof penetration required to mount the module must be properly sealed to prevent leaks.
- When installing a module on a pole, choose a pole and module mounting structure that will withstand the anticipated winds for the area.
- Dust building up on the surface of the module can impair with module performance. SERAPHIM recommend installing the modules with a tilt angle of at least 10 degrees, making it easier for dust to be washed off by rain.
- Observe the linear thermal expansion of the module frames(the recommended minimum distance between two modules is 2 cm).
- Always keep the backsheet of the panel free from foreign objects or structural elements, which coIECd come into contact with the panel, especially when the panel is under mechanical load.
- Ensure panels are not subjected to wind or snow loads exceeding the maximum permissible loads, and

are not subject to excessive forces due to the thermal expansion of the support structures: See the following paragraph for more detailed information.

Installation methods

- Common hardware items such as nuts, bolts, star washers, lock washers and the like have not been evaluated for electrical conductivity or for use as grounding devices and should be used only for maintaining mechanical connections and holding electrical grounding devices in the proper position for electrical conductivity. Such devices, where supplied with the module and evaluated through the requirements in IEC 1703, may be used for grounding connections in accordance with the instructions provided with the module.
- We suggest each module be securely fastened at 8 points (14mm×9mm). Modules must be installed according to the following examples. Not mounting the modules according to these instructions may void the warranty.
- For our modules, designed mechanical load of front face is 3600Pa and safety factor is 1.5; designed mechanical load of back face is 1600Pa and safety factor is 1.5.
- Module can be installed in both landscape and portrait modes.
- For best performance, separate laying of positive and negative cables wherever possible. Induced voltage surges in the DC main cable should be minimized by laying the positive and negative cables as close together as possible.
- Where this is not possible or not desirable, the inverter energy system should be connected to the distribution board located physically nearest to the inverter, and the main switchboard. And main switch for the switchboard, to which the inverter is connected, shall be a lockable switch.
- The modules must be properly secured to their support so that they can withstand live load conditions, including wind uplift, to the pressure they have been certified for. It is the installer's responsibility to insure that the clamps used to secure the modules are strong enough.

Attachment guidelines

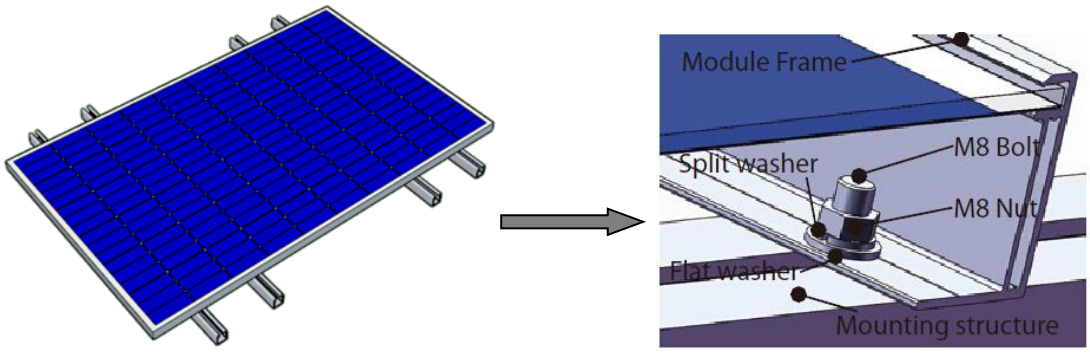
- **Screw Installation**

Each PV module has 8 mounting holes (shown as drawing 1).The downward mechanical load resistance of module would be different according to the installation holes used(shown as table 1),Please use 8 of them to secure the modules to support structure. The module frame must be attached to a mounting rail using M8 corrosion-proof screws together with spring washers and

flat washers in eight symmetrical locations on the PV module. The applied torque should be big enough to fix it steadily. The reference torque value for M8 screw is 16~20N*m.

	5400Pa Load Tested
Mounting system	

Table 1



Drawing 1

■ **Clamp Installation**

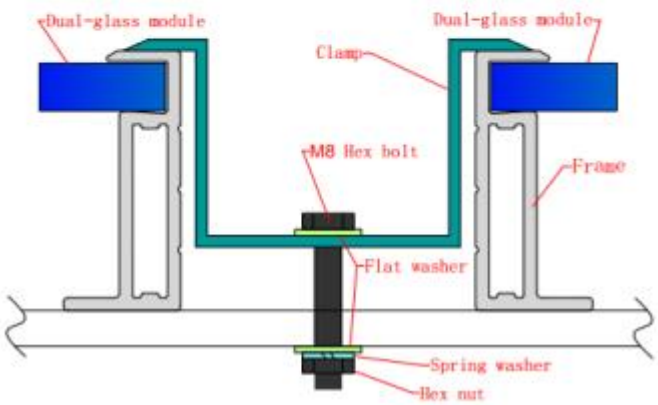
The modules can be fixed on both the long and the short side of the module within the constraints shown in drawing 2, using a minimum of four clamps. The modules are built to withstand a downward force of up to 5400 Pa (550 kg/m2) or 2400 Pa (244 kg/m2) according to where they are clamped. Site-specific loads such as wind or snow which may exert forces in a different way need to be taken into consideration to ensure this limit is not exceeded for each respective mounting option.

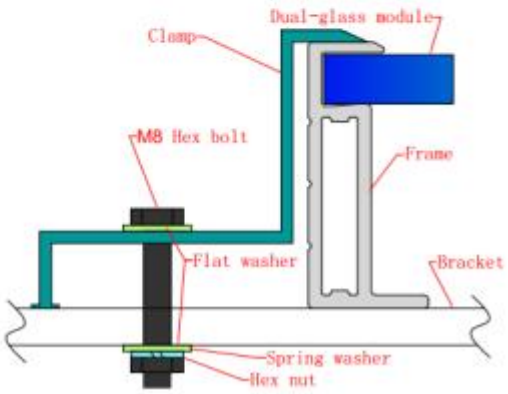
A. For standard module with backsheet

1. Clamp picture as below:

Figure 3 Double-side clamp

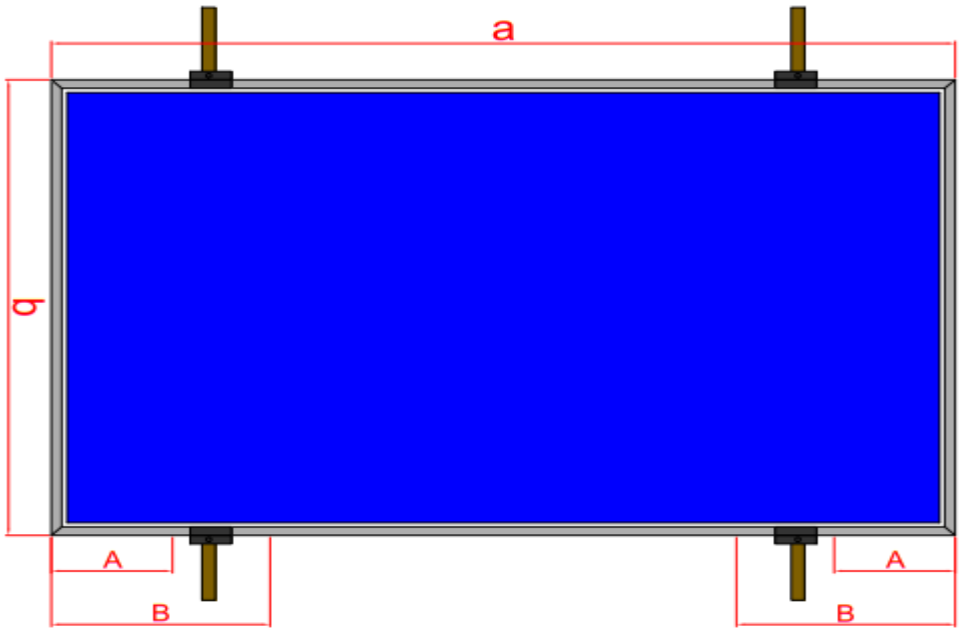
Figure 4 Single-side clamp





2. Install module with clamps

2.1 Install module with clamps at longsides of frames



This Installation method is applicable to the series of PV modules as listed below:

Table 2

Type 1	SRP-XXX-6PA、SRP-XXX-6PA-HV、SRP-XXX-6MA、SRP-XXX-6MA-HV
Type 2	SRP-XXX-6PB、SRP-XXX-6PB-HV、SRP-XXX-6MB、SRP-XXX-6MB-HV
Type 3	SRP-XXX-BPZ、SRP-XXX-6PZ-HV、SRP-XXX-BMZ、SRP-XXX-BMZ-HV、SRP-XXX-BMZ-TB
Type 4	SRP-XXX-BPA、SRP-XXX-BPA-HV、SRP-XXX-BMA、SRP-XXX-BMA-HV、SRP-XXX-BMA-TB
Type 5	SRP-XXX-BPB、SRP-XXX-BPB-HV、SRP-XXX-BMB、SRP-XXX-BMB-HV、SRP-XXX-BMB-TB
Type 6	SRP-XXX-BPC、SRP-XXX-BPC-HV、SRP-XXX-BMC、SRP-XXX-BMC-HV、SRP-XXX-BMC-TB
Type 7	SRP-XXX-E01A、SRP-XXX-E01A-HV、SRP-XXX-E11A、SRP-XXX-E11A-HV
Type 8	SRP-XXX-E01B、SRP-XXX-E01B-HV、SRP-XXX-E11B、SRP-XXX-E11B-HV
Type 9	SRP-XXX-E6A、SRP-XXX-E6A-HV
Type 10	SRP-XXX-E6B、SRP-XXX-E6B-HV
Type 11	SRP-XXX-BMD、SRP-XXX-BMD-HV、SRP-XXX-BMD-TB

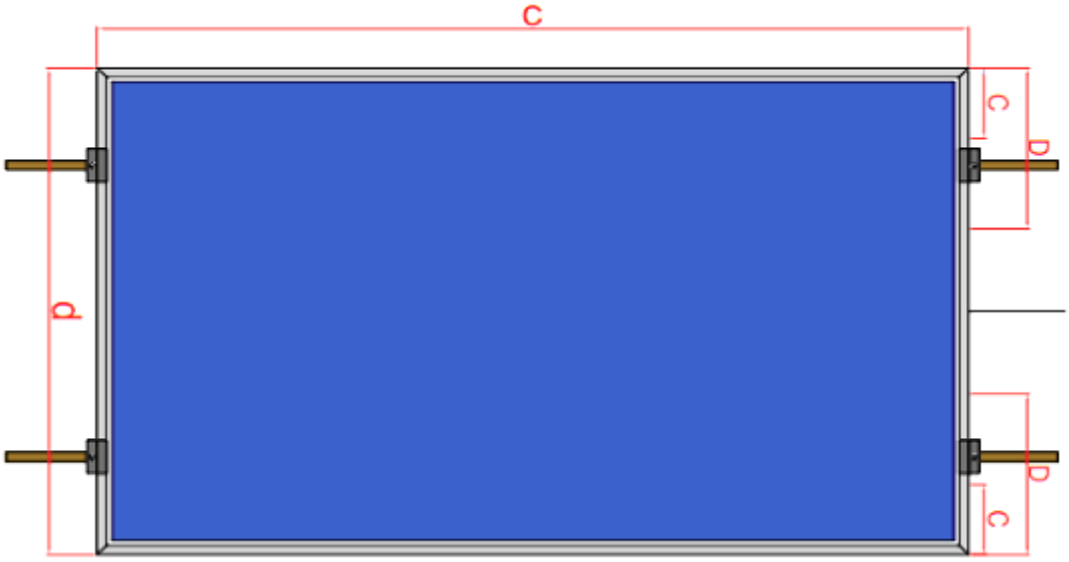
NOTE:-HV：Modules with 1500V；-TB：Modules with transparent backsheet 1500V；XXX：Module power

The selection and installation of the clamps shall obey the requirement according to table 3(mounting area is between A and B). Otherwise the module may not satisfy the mechanical load and have the risk of broken.

Table 3

module type	a(mm)	b(mm)	Clamp length	A(mm)	B(mm)	Loads (Pa)
Type1	1985/ 1970/1956	992/1002	≥50mm	280	580	5400
				50	580	2400
Type2	1665/ 1650/1640	992/1002	≥50mm	180	480	5400
				50	480	2400
Type3	2180	1002	≥50mm	300	600	5400
				50	600	2400
Type4	2115	1052	≥50mm	300	600	5400
	1996/2015	992/1002	≥50mm	280	580	5400
				50	580	2400
Type5	1776	1052	≥50mm	200	500	5400
	1674/1690	992/1002	≥50mm	180	480	5400
				50	480	2400
Type6	1852	1002	≥50mm	200	500	5400
				50	500	2400
Type7	1941	1048/1066	≥50mm	280	580	5400
				50	580	2400
Type8	1623	1048/1066	≥50mm	180	480	5400
				50	480	2400
Type9	2110	1002	≥50mm	300	600	5400
				50	600	2400
Type10	1806	1002	≥50mm	200	500	5400
				50	500	2400
Type11	1707/1730	1133/1134	≥50mm	190	500	5400

2.2 Install module with clamps at short sides of frames



This Installation method is applicable to the series of PV modules as table 2.

The selection and installation of the clamps shall obey the requirement according to table 4(mounting area is between C and D). Otherwise the module may not satisfy the mechanical load and have the risk of broken.

Table 4

TYPE	c(mm)	d(mm)	Clamps length	C(mm)	D(mm)	Loads (Pa)
Type1	1985/ 1970/1956	992/1002	≥50mm	50	248	2400
Type2	1665/ 1650/1640	992/1002	≥50mm	50	248	2400
Type3	2180	1002	≥50mm	50	248	2400
Type4	2115/ 1996/2015	1052/ 992/1002	≥50mm	50	248	2400
Type5	1776/ 1674/1690	1052/ 992/1002	≥50mm	50	248	2400
Type6	1852	1002	≥50mm	50	248	2400
Type7	1941	1048/1066	≥50mm	50	248	2400
Type8	1623	1048/1066	≥50mm	50	248	2400
Type9	2110	1002	≥50mm	50	248	2400
Type10	1806	1002	≥50mm	50	248	2400
Type11	1707/1730	1133/1134	≥50mm	60	280	2400

B. For dual glass module without frame

The dual glass module without frame is designed for clamp installation. It need the clamps with rubber strips to fix on the bracket. Figure 1 and figure 2 show the structure of two kind of clamps.

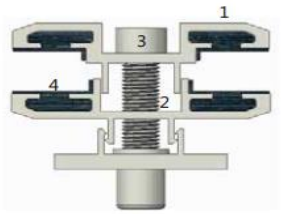


Figure 1 Double-side clamp

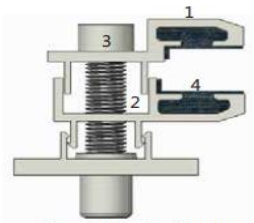


Figure 2 Single-side clamp

NO.	Name	Remark
1	Aluminium alloy	6063-T5
2	Spring	
3	Bolt	M8 stainless steel bolt
4	Rubber strip	Ethylene Propylene Diene Monomer (EPDM)

Table 1 Components of the clamp

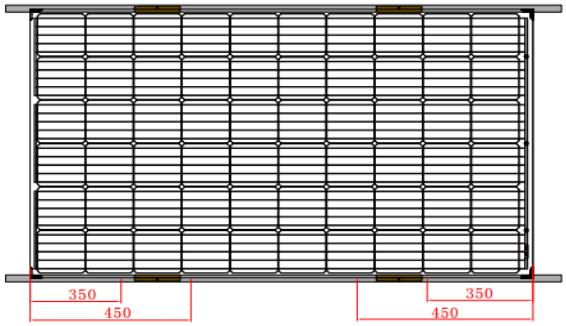
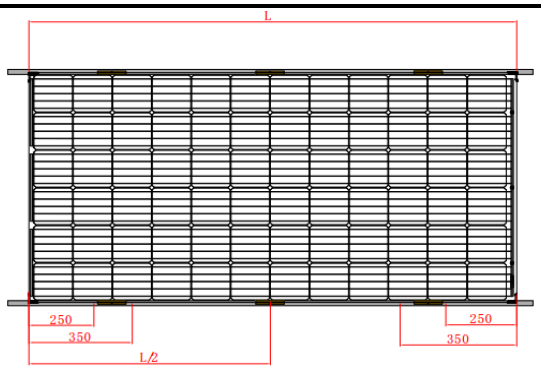
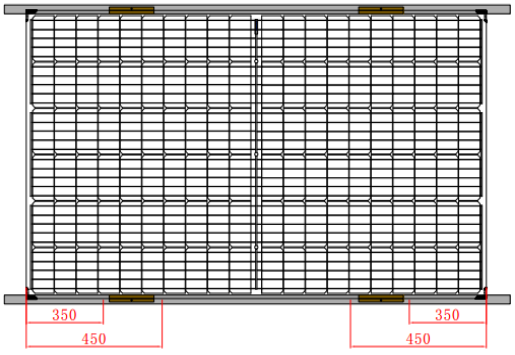
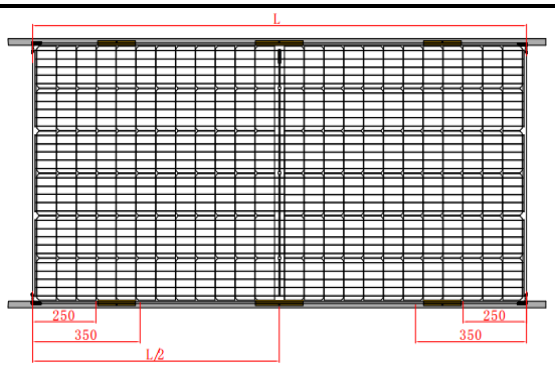
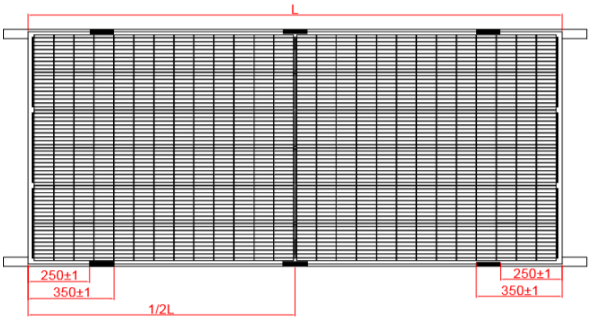
This Installation method is applicable to the series of PV modules as listed below:

Table 2

Type 1	SRP-XXX-6PB-DG、SRP-XXX-6MB-DG、SRP-XXX-6MB-BG
Type 2	SRP-XXX-6PA-DG、SRP-XXX-6MA-DG、SRP-XXX-6MA-BG
Type 3	SRP-XXX-BPB-DG、SRP-XXX-BMB-DG、SRP-XXX-BMB-BG
Type 4	SRP-XXX-BPA-DG、SRP-XXX-BMA-DG、SRP-XXX-BMA-BG
Type 5	SRP-XXX-BMZ-BG

The selection and installation of the clamps shall obey the requirement according to table 3. Otherwise the module may not satisfy the mechanical load and have the risk of broken.

Table 3

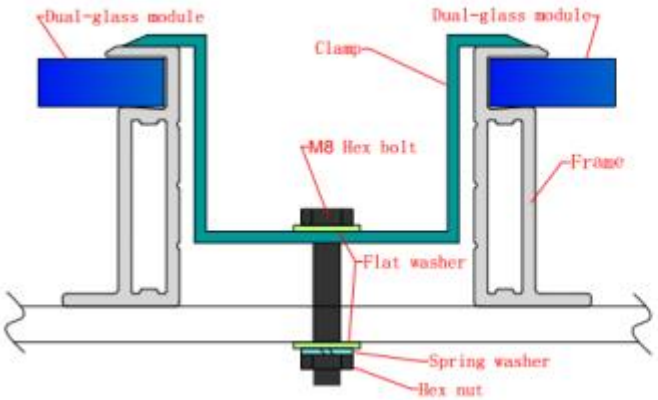
Type	Load（Pa）	Clamp Length	Installation Drawing
Type1	2400 -2400	⩾150mm	
Type2	2400 -2400	⩾200mm	
Type3	2400 -2400	⩾150mm	
Type4	2400 -2400	⩾200mm	
Type5	2400 -2400	⩾200mm	

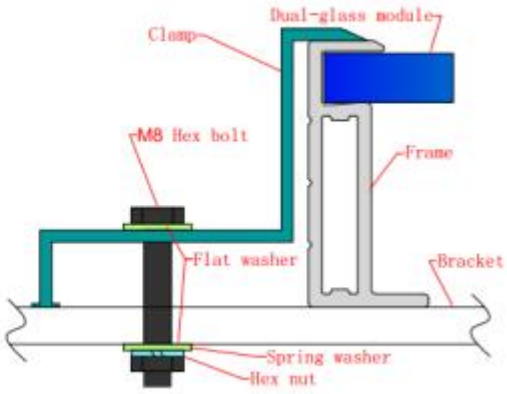
C.For dual glass module with frame-Installation with clamp

The dual glass module with frame is designed for clamp installation. It needs the clamps, bolts, nuts and washers to fix on the bracket (as shown in figure1, 2, 3, 4). Sufficient torque should be applied to the bolts to ensure stable reinforcement. The reference torque value for M8 screw is 16~20N*M.

Figure 3 Double-side clamp

Figure 4 Single-side clamp





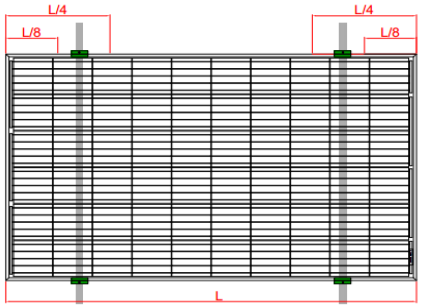
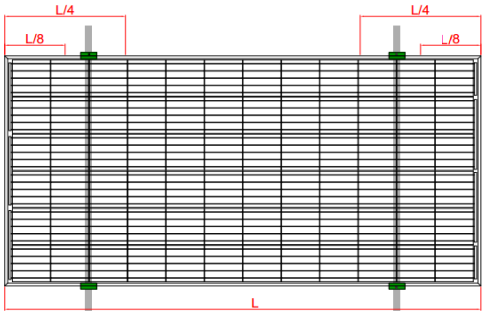
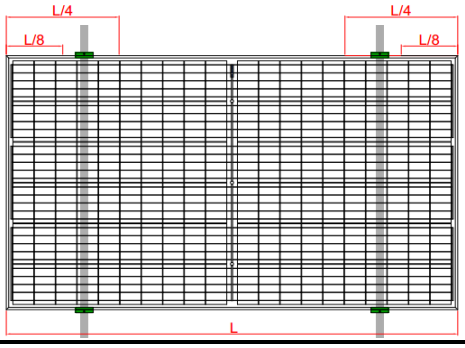
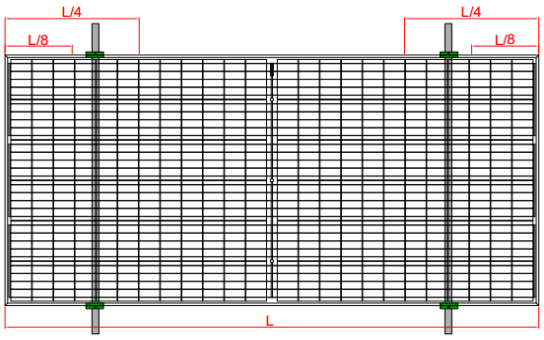
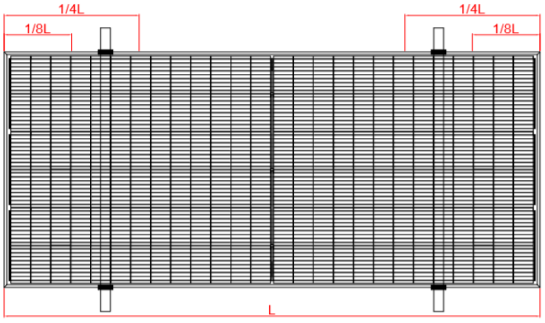
This Installation method is applicable to the series of PV modules as listed below:

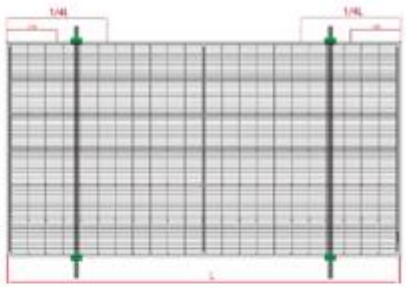
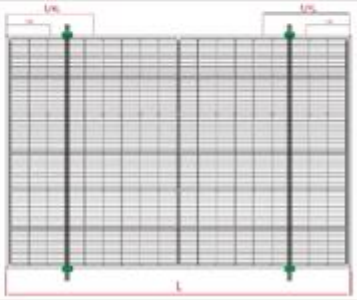
Table 2

Type 1	SRP-XXX-6PB-DG、SRP-XXX-6MB-DG、SRP-XXX-6MB-BG
Type 2	SRP-XXX-6PA-DG、SRP-XXX-6MA-DG、SRP-XXX-6MA-BG
Type 3	SRP-XXX-BPB-DG、SRP-XXX-BMB-DG、SRP-XXX-BMB-BG
Type 4	SRP-XXX-BPA-DG、SRP-XXX-BMA-DG、SRP-XXX-BMA-BG
Type 5	SRP-XXX-BMZ-BG
Type 6	SRP-XXX-BPC-DG、SRP-XXX-BMC-DG、SRP-XXX-BMC-BG
Type 7	SRP-XXX-BMD-BG

The selection and installation of the clamps shall obey the requirement according to table 3. Otherwise the module may not satisfy the mechanical load and have the risk of broken.

Table 3

Type	Load（Pa）	Clamp Length	Installation Drawing
Type1	5400 -2400	⩾50mm	
Type2	5400 -2400	⩾50mm	
Type3	5400 -2400	⩾50mm	
Type4	5400 -2400	⩾50mm	
Type5	5400 -2400	⩾50mm	

Type 6	+ 5400 - 2400	≥50mm	
Type 7	+ 5400 - 2400	≥50mm	

4. Electric installation

WARNING Electrical Hazard

This module produces electricity when exposed to light. Follow all applicable electrical safety precautions.

ONLY qualified personnel can install or perform maintenance work on these modules. **BE AWARE** of dangerous high DC voltage when connecting module. **DO NOT** damage or scratch the rear surface of the module. **DO NOT** handle or install module when they are wet.

4.1 General installation

■ Any hardware used must be compatible with the mounting structure material to avoid galvanic corrosion

■ It is not recommended to use modules with different configurations (grounding, wiring) in the same system.

■ The module Maximum System Voltage(IEC) is 1500 volts DC(For –HV module) and 1000 volts DC(For other module). For applications requiring a high operating voltage several modules can be connected in series to form a string of modules; the system voltage is then equal to the sum of the voltage of each module.

■ For applications requiring high operating currents several strings of modules can be connected in parallel; The system current is then equal to the sum of the current of each string of modules.

■ Our modules are supplied with connectors to be used for system electrical connections.

■ The maximum number of series connected modules can calculated through this formal: 1500/ (1.25*Voc).

■ The recommended maximum parallel module configuration is 16 parallels. And the number of modules have something to do with system design parameters such as current or power output.

■ Please refer to local regulations to determine the system wires size, type and temperature.

■ To prevent the cables and the connectors from overheating, the cross section of the cables and the capacity of the connectors must be selected to suit the maximum system short circuit current (The recommended cable cross section is 4mm^2 for a single module and if rated current of a connector is higher than 10A). Please note that the upper limit temperature of cable is 85°C, and that of the connector is 105°C. And all the cables diameter that been used for wiring must reach at least 4 mm^2.

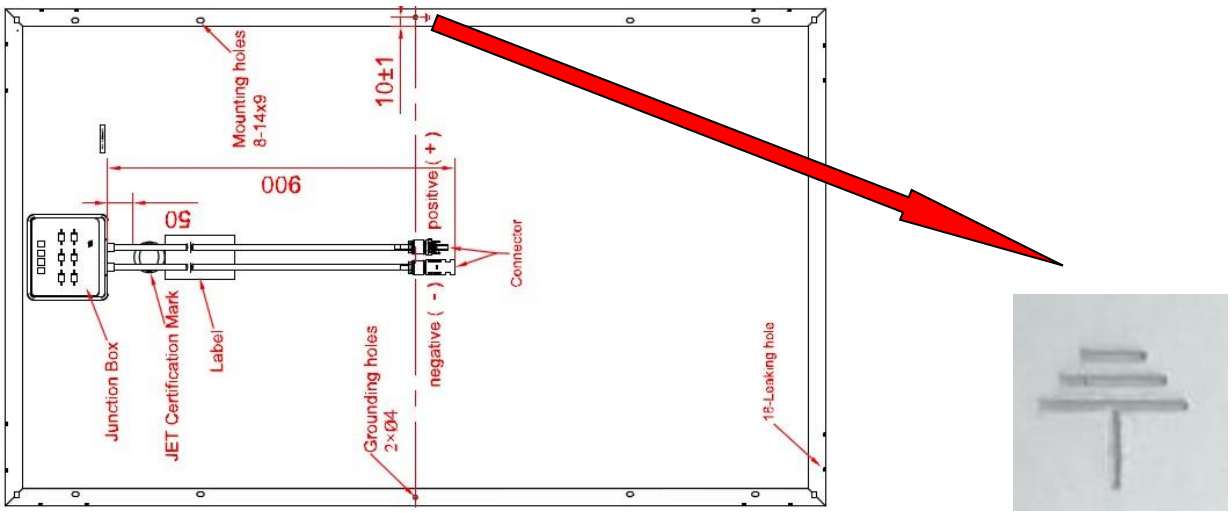
■ The DC current generated by photovoltaic systems can be converted into AC and fed into a public grid. As local utilities' policies on connecting renewable energy systems to their grids vary from region to region. A qualified system designer or integrator should always be consulted. Building permits, inspections and approvals by the local utility are generally required.

4.2 Grounding

■ Where common grounding hardware (nuts, bolts, star washers, spilt-ring lock washers, flat washers and the like) is used to attach a listed grounding/bonding device, the attachment must be made in conformance with the grounding device manufacturer's instructions."

■ For grounding and bonding requirements, please refer to regional and national safety and electricity standards. If grounding is required, use a recommended connector type, or an equivalent, for the grounding wire.

■ If grounding is required, the grounding wire must be properly fastened to the module frame to assure adequate electrical connection.



5. Maintenance

■ To ensure optimum module performance, SERAPHIM recommends the following maintenance measures:

- Clean the glass surface of the module when required. Always use clean water and a soft sponge or cloth for cleaning. A mild, non-abrasive cleaning agent may be used to remove stubborn dirt.
- Check the electrical, grounding and mechanical connections every six months to verify that they are clean, secure, undamaged and free of corrosion.
- If any problem arises, consult a professional for suggestions.
- Caution: observe the maintenance instructions for all components used in the system, such as support frames, charging regulators, inverters, batteries etc.

6. Dimension & Parameters

SRP-XXX-6MA-HV/ SRP-XXX-6MA/ SRP-XXX-6MA-TB（XXX=330-400） **Electrical Characteristics**

Rated Power (Pmp)	330	335	340	345	350	355	360	365
Power Sorting	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Maximum Power Voltage (Vmp)	37.3	37.5	37.7	37.9	38.1	38.3	38.5	38.7
Maximum Power Current (Imp)	8.85	8.94	9.02	9.11	9.19	9.27	9.36	9.44
Open Circuit Voltage (Voc)	47± 2%	47.2 ± 2%	47.4 ± 2%	47.6 ± 2%	47.8 ± 2%	48± 2%	48.2 ± 2%	48.4 ± 2%
Short Circuit Current (Isc)	9.13 ± 4%	9.21 ± 4%	9.30 ± 4%	9.39 ± 4%	9.47 ± 4%	9.55 ± 4%	9.64 ± 4%	9.72 ± 4%
Rated Power (Pmp)	370	375	380	385	390	395	400	
Power Sorting	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	
Maximum Power Voltage (Vmp)	38.9	39.1	39.4	39.7	40	40.2	40.5	
Maximum Power Current (Imp)	9.52	9.6	9.65	9.7	9.77	9.83	9.88	
Open Circuit Voltage (Voc)	48.6 ± 2%	48.8 ± 2%	49.1 ± 2%	49.4± 2%	49.7± 2%	49.9± 2%	50.1± 2%	
Short Circuit Current (Isc)	9.8 ± 4%	9.88 ± 4%	9.93 ± 4%	9.98± 4%	10.05± 4%	10.11± 4%	10.16± 4%	

Working Conditions	
Pmax Temperature Coefficient	-0.42 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.04 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1000V/1500V（for –HV&-TB）
Maximum Series Fuse	25A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	≥100MΩ

Mechanical Specifications	
External Dimensions	1966 (1970,1956) x 992 x 50(40,35) mm 1985*1002*40(35)mm
Weight	22.5/21.5/21kg 22.5/22kg
Solar Cells	Monocrystalline 156.75x156.75mm 158.75x158.75mm(72pcs)
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP68
Output Cables	4.0 mm2, symmetrical lengths 900mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-XXX-6MB-HV /SRP-XXX-6MB/ SRP-XXX-6MB-TB（XXX=275-330） **Electrical Characteristics**

Rated Power (Pmp)	275	280	285	290	295	300	305	310
Power Sorting	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Maximum Power Voltage (Vmp)	31.1	31.3	31.5	31.7	31.9	32.1	32.3	32.6
Maximum Power Current (Imp)	8.85	8.95	9.05	9.15	9.25	9.35	9.45	9.51
Open Circuit Voltage (Voc)	38.2± 2%	38.4± 2%	38.6± 2%	38.8± 2%	40± 2%	40.2± 2%	40.4± 2%	40.7± 2%
Short Circuit Current (Isc)	9.13± 4%	9.23± 4%	9.33± 4%	9.43± 4%	9.53± 4%	9.63± 4%	9.73± 4%	9.79± 4%

Rated Power (Pmp)	315	320	325	330
Power Sorting	0~ +4.99W	0~ +4.99W	0~ +4.99W	0~ +4.99W
Power Tolerance	±3%	±3%	±3%	±3%
Maximum Power Voltage (Vmp)	32.8	33	33.2	33.5
Maximum Power Current (Imp)	9.61	9.7	9.79	9.86
Open Circuit Voltage (Voc)	40.9± 2%	41.1± 2%	41.3± 2%	41.6± 2%
Short Circuit Current (Isc)	9.89± 4%	9.98± 4%	10.07± 4%	10.14± 4%

Working Conditions	
Pmax Temperature Coefficient	-0.42 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.04 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1000V/1500V（for –HV&-TB）
Maximum Series Fuse	25A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	≥100MΩ

Mechanical Specifications	
External Dimensions	1650(1640)x992x50(40,35)mm /1665*1002*35mm
Weight	20/19/18(17.5)kg 18.5kg
Solar Cells	Mono crystalline 156.75x156.75mm 158.75x158.75mm(60pcs)
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP68
Output Cables	4.0 mm2, symmetrical lengths 900mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-XXX-6PA-HV /SRP-XXX-6PA（XXX=300-350） **Electrical Characteristics**

Rated Power (Pmp)	300	305	310	315	320	325	330	335	340	345	350
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (Voc)	44.7 ±2%	45.0 ±2%	45.2 ±2%	45.3 ±2%	45.5 ±2%	45.7 ±2%	45.9 ±2%	46.2 ±2%	46.4 ±2%	46.5 ±2%	46.7 ±2%
Short Circuit Current (Isc)	8.68 ±4%	8.73 ±4%	8.80 ±4%	8.87 ±4%	8.96 ±4%	9.03 ±4%	9.12 ±4%	9.20 ±4%	9.30 ±4%	9.41 ±4%	9.50 ±4%
Maximum Power Voltage (Vmp)	35.8	36.2	36.5	36.8	37.0	37.3	37.5	37.7	37.9	38.1	38.3
Maximum Power Current (Imp)	8.38	8.43	8.50	8.56	8.65	8.72	8.80	8.89	8.98	9.06	9.14

Working Conditions	
Pmax Temperature Coefficient	**-0.42 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.04 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V（for -HV）**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1966(1970,1956)x992x50(40)mm /1985*1002*40**
Weight	**22.5/21.5kg 22.5kg**
Solar Cells	**Polycrystalline 156.75x156.75mm 158.75x158.75mm(72pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP68**
Output Cables	**4.0 mm2, symmetrical lengths 900mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-XXX-6PB-HV/SRP-XXX-6PB（XXX=250-290） **Electrical Characteristics**

Rated Power (Pmp)	250	255	260	265	270	275	280	285	290
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	37.3 ±2%	37.5 ±2%	37.7 ±2%	37.9 ±2%	38.1 ±2%	38.3 ±2%	38.5 ±2%	38.7 ±2%	38.9 ±2%
Short Circuit Current (Isc)	8.61 ±4%	8.70 ±4%	8.78 ±4%	8.89 ±4%	8.99 ±4%	9.08 ±4%	9.18 ±4%	9.27 ±4%	9.37 ±4%
Maximum Power Voltage (Vmp)	30.2	30.5	30.9	31.1	31.3	31.6	31.8	32.0	32.2
Maximum Power Current (Imp)	8.28	8.37	8.42	8.53	8.63	8.71	8.81	8.91	9.01

Working Conditions	
Pmax Temperature Coefficient	**-0.42 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.04 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V（for -HV）**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100M Ω**

Mechanical Specifications	
External Dimensions	**1650(1640)x992x50(40,35)mm /1665*1002*35mm**
Weight	**20/19/18(17.5)kg 18.5kg**
Solar Cells	**Polycrystalline:156.75x156.75mm 158.75x158.75mm(60pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP68**
Output Cables	**4.0 mm2, symmetrical lengths 900mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-XXX-E01A-HV/SRP-XXX-E01A /SRP-XXX-E01A-TB（XXX=365-420）

Electrical Characteristics

Rated Power (Pmp)	365	370	375	380	385	390	395	400	405	410
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	43.9 ±2%	44.10 ±2%	44.20 ±2%	44.30 ±2%	44.50 ±2%	44.70 ±2%	44.9 ±2%	45.10 ±2%	45.30 ±2%	45.50 ±2%
Short Circuit Current (Isc)	10.73 ±4%	10.82 ±4%	10.91 ±4%	10.99 ±4%	11.08 ±4%	11.17 ±4%	11.25 ±4%	11.34 ±4%	11.42 ±4%	11.51 ±4%
Maximum Power Voltage (Vmp)	35.8	36.00	36.20	36.40	36.60	36.80	37.00	37.20	37.40	37.60
Maximum Power Current (Imp)	10.20	10.28	10.36	10.44	10.52	10.60	10.68	10.76	10.83	10.91

Rated Power (Pmp)	415	420
Power Sorting	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%
Open Circuit Voltage (Voc)	45.7 ±2%	45.9 ±2%
Short Circuit Current (Isc)	11.58 ±4%	11.67 ±4%
Maximum Power Voltage (Vmp)	37.8	38
Maximum Power Current (Imp)	10.98	11.06

Working Conditions	
Pmax Temperature Coefficient	-0.40 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1000V/1500V (for –HV&-TB)
Maximum Series Fuse	25A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	⩾100MΩ

Mechanical Specifications	
External Dimensions	1941(1952)x1048(1066,1080)x50(40,35)mm
Weight	22.5/21.5/23.5/24kg
Solar Cells	Monocrystalline:156.75x156.75mm 158.75*158.75mm
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-XXX-E01B-HV/SRP-XXX-E01B/ SRP-XXX-E01B-TB（XXX=305-350）

Electrical Characteristics

Rated Power (Pmp)	305	310	315	320	325	330	335	340	345	350
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	43.8 ±2%	44.1 ±2%	44.3 ±2%	44.5 ±2%	44.7 ±2%	44.9 ±2%	45.2 ±2%	45.4 ±2%	45.6 ±2%	45.8 ±2%
Short Circuit Current (Isc)	8.97 ±4%	9.05 ±4%	9.14 ±4%	9.23 ±4%	9.31 ±4%	9.40 ±4%	9.49 ±4%	9.58 ±4%	9.65 ±4%	9.73 ±4%
Maximum Power Voltage (Vmp)	35.8	36.0	36.2	36.4	36.6	36.8	37.1	37.3	37.6	37.8
Maximum Power Current (Imp)	8.52	8.62	8.71	8.80	8.88	8.97	9.05	9.12	9.18	9.26

Working Conditions	
Pmax Temperature Coefficient	-0.40 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1000V/1500V (for –HV&-TB)
Maximum Series Fuse	25A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	≥100MΩ

Mechanical Specifications	
External Dimensions	1623(1632)x1048(1066,1080)x50(40,35) mm
Weight	20/19/18.5/19/19.5kg
Solar Cells	Monocrystalline:156.75x156.75mm 158.75*158.75mm
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-XXX-E11A-HV/SRP-XXX-E11A（XXX=340-380） **Electrical Characteristics**

Rated Power (Pmp)	340	345	350	355	360	365	370	375	380
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	42.70 ±2%	42.90 ±2%	43.10 ±2%	43.30 ±2%	43.60 ±2%	43.90 ±2%	44.20 ±2%	44.50 ±2%	44.80 ±2%
Short Circuit Current (Isc)	10.31 ±4%	10.40 ±4%	10.49 ±4%	10.58 ±4%	10.64 ±4%	10.72 ±4%	10.78 ±4%	10.85 ±4%	10.91 ±4%
Maximum Power Voltage (Vmp)	35.15	35.35	35.55	35.80	36.00	36.20	36.45	36.70	36.90
Maximum Power Current (Imp)	9.68	9.76	9.85	9.92	10.00	10.09	10.15	10.22	10.30

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V (for –HV)**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1941(1952)x1048(1066,1080)x50(40) mm**
Weight	**22.5/21.5/23.5/24 kg**
Solar Cells	**Polycrystalline:156.75x156.75mm(72pcs) 158.75*158.75mm(72pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-XXX-E11B-HV/SRP-XXX-E11B（XXX=285-315） **Electrical Characteristics**

Rated Power (Pmp)	285	290	295	300	305	310	315
Power Sorting	0~+4.99 W	0~+4.99 W	0~+4.99 W	0~+4.99 W	0~+4.99 W	0~+4.99 W	0~+4.99 W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	42.90 ±2%	43.15 ±2%	43.35 ±2%	43.55 ±2%	43.80 ±2%	44.05 ±2%	44.25 ±2%
Short Circuit Current (Isc)	8.61 ±4%	8.69 ±4%	8.79 ±4%	8.88 ±4%	8.97 ±4%	9.06 ±4%	9.15 ±4%
Maximum Power Voltage (Vmp)	35.3	35.55	35.75	35.95	36.2	36.45	36.65
Maximum Power Current (Imp)	8.08	8.16	8.26	8.35	8.43	8.51	8.60

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V (for –HV)**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1623(1632)x1048(1066,1080)x50(40,35) mm**
Weight	**20/19/18.5/19/19.5kg**
Solar Cells	**Polycrystalline:156.75x156.75mm 158.75*158.75mm**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-XXX-BMA-HV/SRP-XXX-BMA/ SRP-XXX-BMA-TB（XXX=330-445,525-545）

Electrical Characteristics

Rated Power (Pmp)	330	335	340	345	350	355	360	365	370	375	380	385
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	45.4±2%	45.7±2%	46.0±2%	46.3±2%	46.6±2%	46.9±2%	47.2±2%	47.5±2%	47.8±2%	48.1±2%	48.3±2%	48.5±2%
Short Circuit Current (Isc)	9.39±4%	9.45±4%	9.52±4%	9.58±4%	9.64±4%	9.70±4%	9.76±4%	9.83±4%	9.89±4%	9.95±4%	10.01±4%	9.87±4%
Maximum Power Voltage (Vmp)	37.8	38.1	38.4	38.7	39	39.3	39.6	39.9	40.2	40.5	40.8	41.0
Maximum Power Current (Imp)	8.74	8.80	8.86	8.92	8.98	9.03	9.09	9.15	9.20	9.26	9.32	9.39
Rated Power (Pmp)	390	395	400	405	410	415	420	425	430	435	440	445
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	48.7±2%	48.9±2%	49.1±2%	49.4±2%	49.6±2%	49.8±2%	48.9±2%	49.2±2%	49.4±2%	49.6±2%	49.7±2%	49.9±2%
Short Circuit Current (Isc)	9.95±4%	10.03±4%	10.10±4%	10.15±4%	10.23±4%	10.30±4%	10.97±4%	11.04±4%	11.11±4%	11.18±4%	11.27±4%	11.34±4%
Maximum Power Voltage (Vmp)	41.2	41.4	41.6	41.9	42.1	42.3	40.7	40.9	41.1	41.3	41.4	41.6
Maximum Power Current (Imp)	9.47	9.55	9.62	9.67	9.74	9.82	10.32	10.40	10.47	10.54	10.63	10.70

Rated Power (Pmp)	525	530	535	540	545
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	49.02± 2%	49.33 ± 2%	49.4± 2%	49.5 ± 2%	49.6 ± 2%
Short Circuit Current (Isc)	13.55 ± 4%	13.60 ±4%	13.70 ± 4%	13.81 ± 4%	13.91 ± 4%
Maximum Power Voltage (Vmp)	40.78	41.03	41.29	41.55	41.81
Maximum Power Current (Imp)	12.88	12.92	12.96	13	13.04

Working Conditions	
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1000V/1500V（for –HV&-TB）
Maximum Series Fuse	25A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	≥100MΩ

Mechanical Specifications	
External Dimensions	1970(1996)x 992x50（40,35） / 2015*1002*40（35）mm 2115×1052×40（35）/ 2094*1038*35mm 2288×1134 x 35/2256×1133×35 mm
Weight	22.5/23.0/22/22.5/21.5/22.0 kg 23/22.5kg 25/24.5/23.5kg 28.5/28kg
Solar Cells	Monocrystalline:156.75x156.75mm 158.75*158.75mm(72pcs) 166*166mm（72pcs） 182*182mm(72pcs)
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-XXX-BMB-HV/SRP-XXX-BMB/ SRP-XXX-BMB-TB（XXX=275-370,440-450）

Electrical Characteristics

Rated Power (Pmp)	275	280	285	290	295	300	305	310	315	320	325	330
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	37.7 ±2%	38 ±2%	38.3 ±2%	38.6 ±2%	38.9 ±2%	39.2 ±2%	39.5 ±2%	39.8 ±2%	40.1 ±2%	40.4 ±2%	40.6 ±2%	40.8 ±2%
Short Circuit Current (Isc)	9.4 ±4%	9.48 ±4%	9.57 ±4%	9.65 ±4%	9.74 ±4%	9.82 ±4%	9.92 ±4%	9.97 ±4%	10.04 ±4%	10.12 ±4%	10.21 ±4%	10.31 ±4%
Maximum Power Voltage (Vmp)	31.7	32	32.2	32.5	32.7	33	33.2	33.5	33.7	34.0	34.2	34.4
Maximum Power Current (Imp)	8.68	8.75	8.86	8.93	9.03	9.10	9.19	9.26	9.35	9.42	9.51	9.60
Rated Power (Pmp)	335	340	345	350	355	360	365	370	440	445	450	
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	
Open Circuit Voltage (Voc)	41 ±2%	41.2 ±2%	41.4 ±2%	40.8 ±2%	41± 2%	41.2 ±2%	41.4 ±2%	41.6 ±2%	41.12 ± 2%	41.22 ± 2%	41.32 ± 2%	
Short Circuit Current (Isc)	10.4 ±4%	10.5 ±4%	10.59 ±4%	10.98 ±4%	11.08 ±4%	11.16 ±4%	11.26 ±4%	11.34 ±4%	13.56 ±4%	13.66 ± 4%	13.76 ± 4%	
Maximum Power Voltage (Vmp)	34.6	34.7	42.1	33.8	34.	34.2	34.4	34.6	34.08	34.18	34.28	
Maximum Power Current (Imp)	9.69	9.89	10.70	10.36	10.45	10.53	10.62	10.70	12.92	13.03	13.13	

Working Conditions	
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1000V/1500V（for –HV&-TB）
Maximum Series Fuse	25A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	≥100MΩ

Mechanical Specifications	
External Dimensions	1650(1674)x992x50(40,35) /1690*1002*35mm 1776×1052×35/1755*1038*35mm 1916×1134×35/1890×1133×35mm
Weight	20/20.5/19/19.5/18/18,5kg 19kg 20kg/19.5kg 24.0/23.5KG
Solar Cells	Monocrystalline:156.75x156.75mm 158.75*158.75mm(60pcs) 166*166mm（60pcs） 182*182mm(60pcs)
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-XXX-BMC-HV/SRP-XXX-BMC/ SRP-XXX-BMC-TB（XXX=305-380,485-495）

Electrical Characteristics

Rated Power (Pmp)	305	310	315	320	325	330	335	340	345	350	355	360	365
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	41.7±2%	42±2%	42.3±2%	42.6±2%	42.9±2%	43.2±2%	43.5±2%	43.8±2%	44.1±2%	44.3±2%	44.6±2%	44.7±2%	44.9±2%
Short Circuit Current (Isc)	9.26±4%	9.33±4%	9.38±4%	9.44±4%	9.5±4%	9.56±4%	9.62±4%	9.69±4%	9.75±4%	9.83±4%	9.89±4%	10.±4%	10.1±4%
Maximum Power Voltage (Vmp)	34.8	35.1	35.4	35.7	36	36.3	36.6	36.9	37.2	37.4	37.7	37.8	38
Maximum Power Current (Imp)	8.77	8.84	8.90	8.97	9.03	9.10	9.16	9.22	9.28	9.36	9.42	9.52	9.61

Rated Power (Pmp)	370	375	380	485	490	495
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	44.5±2%	44.7±2%	44.9±2%	45.22±2%	45.32±2%	45.43±2%
Short Circuit Current (Isc)	10.21±4%	10.31±4%	10.42±4%	13.58±4%	13.68±4%	13.79±4%
Maximum Power Voltage (Vmp)	38.1	38.3	38.4	37.48	37.59	37.7
Maximum Power Current (Imp)	9.71	9.8	9.9	12.95	13.05	13.15

Working Conditions	
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1000V/1500V（for –HV&-TB）
Maximum Series Fuse	25A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	≥100MΩ

Mechanical Specifications	
External Dimensions	1810(1835)x 992x50(40,35) mm 1852×1002×40(35) 2102×1134×35/2073×1133×35mm
Weight	21/21.5/20/20.5/19.5/20 kg 21/20.5kg 26.0/25.5kg
Solar Cells	Monocrystalline:156.75x156.75mm 158.75*158.75mm(66pcs) 182*182mm(66pcs)
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-XXX-BPA-HV/SRP-XXX-BPA（XXX=310-355） **Electrical Characteristics**

Rated Power (Pmp)	310	315	320	325	330	335	340	345	350	355
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	45 ±2%	45.2 ±2%	45.5 ±2%	45.7 ±2%	46 ±2%	46.2 ±2%	46.5 ±2%	46.7 ±2%	46.9 ±2%	47.1 ±2%
Short Circuit Current (Isc)	8.84 ±4%	8.91 ±4%	8.97 ±4%	9.06 ±4%	9.11 ±4%	9.19 ±4%	9.24 ±4%	9.32 ±4%	9.40 ±4%	9.47 ±4%
Maximum Power Voltage (Vmp)	37.3	37.5	37.8	38.0	38.3	38.5	38.8	39.0	39.3	39.6
Maximum Power Current (Imp)	8.32	8.40	8.47	8.56	8.62	8.71	8.77	8.85	8.91	8.97

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V（for -HV）**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1970(1996)x992x50(40) /2015*1002*40mm**
Weight	**22.5/23/22/22.5kg 23.0 kg**
Solar Cells	**Polycrystalline:156.75x156.75mm 158.75*158.75mm(72pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-XXX-BPB-HV/SRP-XXX-BPB（XXX=255-295） **Electrical Characteristics**

Rated Power (Pmp)	255	260	265	270	275	280	285	290	295
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	37 ±2%	37.2 ±2%	37.5 ±2%	37.7 ±2%	38 ±2%	38.2 ±2%	38.5 ±2%	38.8 ±2%	39.1 ±2%
Short Circuit Current (Isc)	8.79 ±4%	8.96 ±4%	9.03 ±4%	9.08 ±4%	9.14 ±4%	9.24 ±4%	9.32 ±4%	9.39 ±4%	9.47 ±4%
Maximum Power Voltage (Vmp)	30.8	31	31.3	31.5	31.8	32	32.3	32.6	32.9
Maximum Power Current (Imp)	8.28	8.39	8.47	8.58	8.65	8.75	8.83	8.90	8.97

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V（for -HV）**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1650(1674)x992x50(40,35) mm/1690*1002*35mm**
Weight	**20/20.5/19/19.518/18.5kg 19.0kg**
Solar Cells	**Polycrystalline:156.75x156.75mm 158.75*158.75mm(60pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-XXX-BPC-HV/SRP-XXX-BPC（XXX=280-320） **Electrical Characteristics**

Rated Power (Pmp)	280	285	290	295	300	305	310	315	320
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	40.7 ±2%	40.9 ±2%	41.2 ±2%	41.4 ±2%	41.7 ±2%	41.9 ±2%	42.2 ±2%	42.4 ±2%	42.7 ±2%
Short Circuit Current (Isc)	8.80 ±4%	8.89 ±4%	8.97 ±4%	9.05 ±4%	9.11 ±4%	9.19 ±4%	9.25 ±4%	9.34 ±4%	9.40 ±4%
Maximum Power Voltage (Vmp)	33.9	34.1	34.4	34.6	34.9	35.1	35.4	35.6	35.9
Maximum Power Current (Imp)	8.26	8.36	8.44	8.53	8.60	8.69	8.76	8.85	8.92

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V （ for -HV）**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1810(1835)x 992x50(40) mm** **1852×1002×40mm**
Weight	**21/21.5/20/20.5 kg** **21kg**
Solar Cells	**Polycrystalline:156.75x156.75mm** **158.75*158.75mm(66pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

.SRP-xxx-6MA-BG (xxx=350-395) Electrical Characteristics

Rated Power (Pmp)	350	355	360	365	370	375	380
Power Sorting	0~+4.99 W	0~+4.99 W	0~+4.99 W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	47.5±2%	47.7±2%	47.9 ±2%	48.1±2%	48.3±2%	48.5±2%	48.7±2%
Short Circuit Current (Isc)	9.43 ±4%	9.52 ±4%	9.61 ±4%	9.69 ±4%	9.77 ±4%	9.86 ±4%	9.94 ±4%
Maximum Power Voltage (Vmp)	38.9	39.1	39.3	39.5	39.7	39.9	40.1
Maximum Power Current (Imp)	9	9.08	9.17	9.24	9.32	9.4	9.48

Rated Power (Pmp)	385	390	395
Power Sorting	0~+4.99 W	0~+4.99 W	0~+4.99 W
Power Tolerance	±3%	±3%	±3%
Open Circuit Voltage (Voc)	48.8±2%	49.0±2%	49.2±2%
Short Circuit Current (Isc)	10.01 ±4%	10.08 ±4%	10.16 ±4%
Maximum Power Voltage (Vmp)	40.3	40.5	40.7
Maximum Power Current (Imp)	9.56	9.63	9.71

Working Conditions	
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1500V
Maximum Series Fuse	20A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	⩾100M Ω

Mechanical Specifications	
External Dimensions	1980x992x5.5mm/1986×996×30mm 2004×1002×5.5mm/2010×1008×30
Weight	22.5/25.0/23/25.5 kg
Solar Cells	Polycrystalline:156.75x156.75mm 158.75*158.75(72pcs)
Front glass	2.0 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-xxx-6MB-BG (xxx=295-325） **Electrical Characteristics**

Rated Power (Pmp)	295	300	305	310	315	320	325
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	39.7 ±2%	39.9 ±2%	40.1 ±2%	40.3 ±2%	40.5 ±2%	40.7 ±2%	40.9± 2%
Short Circuit Current (Isc)	9.51 ±4%	9.62 ±4%	9.72 ±4%	9.81 ±4%	9.89 ±4%	9.97 ±4%	10.05 ±4%
Maximum Power Voltage (Vmp)	32.4	32.6	32.8	33.0	33.2	33.4	33.6
Maximum Power Current (Imp)	9.11	9.21	9.30	9.40	9.49	9.58	9.68

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100M Ω**

Mechanical Specifications	
External Dimensions	**1658×992×5.5/1664×998×30mm** **1684*1002*5.5/1690*1008*30mm**
Weight	**19 /21.5kg** **19.5/22.0kg**
Solar Cells	**Polycrystalline:156.75x156.75mm** **158.75*158.75(60pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

.SRP-xxx-6MA-DG (xxx=350-395） Electrical Characteristics

Rated Power (Pmp)	350	355	360	365	370	375	380	385	390	395
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	47.5 ±2%	47.7 ±2%	48.1 ±2%	48.2 ±2%	48.4 ±2%	48.6 ±2%	48.8 ±2%	49.1 ±2%	49.4 ±2%	49.6 ±2%
Short Circuit Current (Isc)	9.42 ±4%	9.45 ±4%	9.48 ±4%	9.54 ±4%	9.62 ±4%	9.71 ±4%	9.79 ±4%	9.83 ±4%	9.88 ±4%	9.96 ±4%
Maximum Power Voltage (Vmp)	38.9	39.1	39.3	39.6	39.8	40.0	40.2	40.5	40.8	41.0
Maximum Power Current (Imp)	9.00	9.08	9.17	9.22	9.30	9.38	9.46	9.51	9.56	9.64

Working Conditions	
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1500V
Maximum Series Fuse	20A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	⩾100MΩ

Mechanical Specifications	
External Dimensions	1980x992x5.5mm/1986×996×30mm 2004×1002×5.5mm/2010×1008×30
Weight	22.5/25.0/23/25.5 kg
Solar Cells	Polycrystalline:156.75x156.75mm 158.75*158.75(72pcs)
Front glass	2.0 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-xxx-6MB-DG (xxx=295-325） **Electrical Characteristics**

Rated Power (Pmp)	295	300	305	310	315	320	325
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	39.7 ±2%	39.9 ±2%	40.1 ±2%	40.4 ±2%	40.7 ±2%	40.9 ±2%	41.2 ±2%
Short Circuit Current (Isc)	9.42 ±4%	9.52 ±4%	9.61 ±4%	9.69 ±4%	9.76 ±4%	9.85 ±4%	9.92 ±4%
Maximum Power Voltage (Vmp)	32.5	9.52	9.61	9.69	33.5	33.7	34.0
Maximum Power Current (Imp)	9.08	300	305	310	9.41	9.50	9.56

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1658×992×5.5/1664×998×30mm** **1684*1002*5.5/1690*1008*30mm**
Weight	**19 /21.5kg** **19.5/22.0kg**
Solar Cells	**Polycrystalline:156.75x156.75mm** **158.75*158.75mm(60pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-6PA-DG (xxx=315-340） **Electrical Characteristics**

Rated Power (Pmp)	315	320	325	330	335	340
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	46.2 ±2%	46.4 ±2%	46.7 ±2%	46.9 ±2%	47.1 ±2%	47.3 ±2%
Short Circuit Current (Isc)	8.70 ±4%	8.80 ±4%	8.87 ±4%	9.00 ±4%	9.05 ±4%	9.20 ±4%
Maximum Power Voltage (Vmp)	37.5	37.7	38.0	38.2	38.4	38.6
Maximum Power Current (Imp)	8.40	8.49	8.56	8.65	8.73	8.81

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1980 x 990(992)x5.5mm**
Weight	**24.0 kg**
Solar Cells	**Polycrystalline:156.75x156.75mm** **158.75*158.75mm(72pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-6PB-DG (xxx=265-280） **Electrical Characteristics**

Rated Power (Pmp)	265	270	275	280
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	38.6 ±2%	38.9 ±2%	39.2 ±2%	39.5 ±2%
Short Circuit Current (Isc)	8.79 ±4%	8.87 ±4%	8.96 ±4%	9.06 ±4%
Maximum Power Voltage (Vmp)	31.3	31.6	31.8	32.1
Maximum Power Current (Imp)	8.56	8.65	8.74	8.83

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1658× 990(992) × 5.5**
Weight	**19 kg**
Solar Cells	**Polycrystalline:156.75x156.75mm** **158.75*158.75mm(60pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BMA-DG (xxx=350-425） **Electrical Characteristics**

Rated Power (Pmp)	350	355	360	365	370	375	380	385	390	395	400	405	410
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (Voc)	47.2 ± 2%	47.5 ± 2%	47.8 ± 2%	48.0 ± 2%	48.3 ± 2%	48.5 ± 2%	48.7 ± 2%	48.9 ± 2%	49.1 ± 2%	49.3 ± 2%	49.5 ± 2%	49.7 ± 2%	49.9 ± 2%
Short Circuit Current (Isc)	9.38 ± 4%	9.44 ± 4%	9.49 ± 4%	9.58 ± 4%	9.64 ± 4%	9.73 ± 4%	9.81 ± 4%	9.88 ± 4%	9.96 ± 4%	10.04 ± 4%	10.12 ± 4%	10.19 ± 4%	10.26 ± 4%
Maximum Power Voltage (Vmp)	39.4	39.7	40.0	40.2	40.5	40.7	40.9	41.1	41.3	41.5	41.7	41.9	42.1
Maximum Power Current (Imp)	8.89	8.95	9.00	9.08	9.14	9.22	9.30	9.37	9.45	9.52	9.60	9.67	9.74

Rated Power (Pmp)	415	420	425
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	± 3%	± 3%	± 3%
Open Circuit Voltage (Voc)	48.7 ± 2%	48.9 ± 2%	49.2 ± 2%
Short Circuit Current (Isc)	10.9 ± 4%	10.97±4%	11.04 ± 4%
Maximum Power Voltage (Vmp)	40.5	40.7	40.9
Maximum Power Current (Imp)	10.25	10.32	10.4

Working Conditions	
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1500V
Maximum Series Fuse	20A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	⩾100MΩ

Mechanical Specifications	
External Dimensions	2012*992*5.5/2018*998*30 2039*1002*5.5/2045*1008*30 mm
Weight	23/25.5kg 24/26.5kg
Solar Cells	Polycrystalline:156.75x156.75mm 158.75*158.75(72pcs)
Front glass	2.0 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-xxx-BMB-DG (xxx=290-350） **Electrical Characteristics**

Rated Power (Pmp)	290	295	300	305	310	315	320	325	330	335	340	345	350
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (Voc)	39.0 ± 2%	39.3 ± 2%	39.6 ± 2%	39.9 ± 2%	40.2 ± 2%	40.5 ± 2%	40.7 ± 2%	40.9 ± 2%	41.1 ± 2%	41.3 ± 2%	41.4 ± 2%	40.6 ± 2%	40.8 ± 2%
Short Circuit Current (Isc)	9.39 ± 4%	9.46 ± 4%	9.54 ± 4%	9.61 ± 4%	9.68 ± 4%	9.75 ± 4%	9.84 ± 4%	9.93 ± 4%	10.02 ± 4%	10.10 ± 4%	10.23 ± 4%	10.87± 4%	10.98± 4%
Maximum Power Voltage (Vmp)	32.6	32.9	33.2	33.5	33.8	34.1	34.3	34.5	34.7	34.9	35.0	33.6	33.8
Maximum Power Current (Imp)	8.90	8.97	9.04	9.11	9.18	9.24	9.33	9.43	9.52	9.60	9.72	10.27	10.36

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1690*992*5.5/1696*998*30mm** **1714*1002*5.5/1720*1008*30 mm**
Weight	**19.5/22 kg** **20.0/22.5kg**
Solar Cells	**Monocrystalline:156.75x156.75mm** **158.75*158.75mm(60pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BMC-DG (xxx=320-350） **Electrical Characteristics**

Rated Power (Pmp)	320	325	330	335	340	345	350
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	43.2 ±2%	43.4 ±2%	43.6 ±2%	43.8 ±2%	44.1 ±2%	44.3 ±2%	44.5 ±2%
Short Circuit Current (Isc)	9.36 ±4%	9.46 ±4%	9.55 ±4%	9.63 ±4%	9.70 ±4%	9.79 ±4%	9.88 ±4%
Maximum Power Voltage (Vmp)	36.1	36.3	36.5	36.7	37.0	37.2	37.4
Maximum Power Current (Imp)	8.87	8.96	9.05	9.13	9.19	9.28	9.36

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	1810*992*5.5/1816*998*30mm
Weight	**21.0/24kg**
Solar Cells	**Monocrystalline:156.75x156.75mm**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BPA-DG (xxx=315-345） **Electrical Characteristics**

Rated Power (Pmp)	315	320	325	330	335	340	345
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	45.5 ±2%	45.7 ±2%	46.0 ±2%	46.2 ±2%	46.5 ±2%	46.7 ±2%	46.9 ±2%
Short Circuit Current (Isc)	8.80 ±4%	8.89 ±4%	8.95 ±4%	9.04 ±4%	9.11 ±4%	9.19 ±4%	9.27 ±4%
Maximum Power Voltage (Vmp)	37.8	38.0	38.3	38.5	38.8	39.0	39.3
Maximum Power Current (Imp)	8.34	8.43	8.49	8.58	8.64	8.72	8.78

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1980*990(992)*5.5 mm**
Weight	**24.0kg**
Solar Cells	**Polycrystalline:156.75x156.75mm 158.75*158.75mm(72pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BPB-DG (xxx=265-285） **Electrical Characteristics**

Rated Power (Pmp)	265	270	275	280	285
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	37.7 ±2%	38.0 ±2%	38.2 ±2%	38.5 ±2%	38.8 ±2%
Short Circuit Current (Isc)	8.88 ±4%	8.97 ±4%	9.07 ±4%	9.15 ±4%	9.23 ±4%
Maximum Power Voltage (Vmp)	31.5	31.8	32.0	32.3	32.6
Maximum Power Current (Imp)	8.42	8.50	8.60	8.67	8.75

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1658*990(992)*5.5mm**
Weight	**19 kg**
Solar Cells	**Polycrystalline:156.75x156.75mm** **158.75*158.75mm(60pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BPC-DG (xxx=290-315） **Electrical Characteristics**

Rated Power (Pmp)	290	295	300	305	310	315
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	41.3 ±2%	41.5 ±2%	41.8 ±2%	42.0 ±2%	42.4 ±2%	42.7 ±2%
Short Circuit Current (Isc)	8.87 ±4%	8.99 ±4%	9.05 ±4%	9.14 ±4%	9.21 ±4%	9.27 ±4%
Maximum Power Voltage (Vmp)	34.5	34.7	35.0	35.2	35.5	35.9
Maximum Power Current (Imp)	8.41	8.52	8.58	8.67	8.73	8.79

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**2012*992*5.5/2018*998*30mm**
Weight	**19.5/22.0kg**
Solar Cells	**Polycrystalline:156.75x156.75mm** **158.75*158.75mm(66pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BMA-BG (xxx=350-445&525-540） **Electrical Characteristics**

Rated Power (Pmp)	350	355	360	365	370	375	380	385	390	395	400	405
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	47.4 ±2%	47.6 ±2%	47.8 ±2%	48.0 ±2%	48.3 ±2%	48.5 ±2%	48.7 ±2%	48.9 ±2%	49.1 ±2%	49.3 ±2%	49.5 ±2%	49.7 ±2%
Short Circuit Current (Isc)	9.44 ±4%	9.54 ±4%	9.61 ±4%	9.69 ±4%	9.76 ±4%	9.84 ±4%	9.93 ±4%	10.00± 4%	10.09 ±4%	10.16 ±4%	10.25 ±4%	10.32 ±4%
Maximum Power Voltage (Vmp)	39.6	39.8	40	40.2	40.5	40.7	40.9	41.1	41.3	41.5	41.7	41.9
Maximum Power Current (Imp)	8.84	8.93	9	9.08	9.14	9.22	9.3	9.37	9.45	9.52	9.6	9.67
Rated Power (Pmp)	410	415	420	425	430	435	440	445	525	530	535	540
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	49.9 ±2%	49.8± 2%	48.9± 2%	49.2± 2%	49.4± 2%	49.6 ±2%	49.7 ±2%	49.9 ±2%	49.02± 2%	49.33 ± 2%	49.4 ± 2%	49.5 ± 2%
Short Circuit Current (Isc)	10.40 ±4%	10.55±4 %	10.97±4 %	11.04±4 %	11.11±4 %	11.18±4 %	11.27±4 %	11.34±4 %	13.55 ± 4%	13.60 ±4%	13.70 ± 4%	13.81 ± 4%
Maximum Power Voltage (Vmp)	42.1	42.3	40.7	40.9	41.1	41.3	41.4	41.6	40.78	41.03	41.29	41.55
Maximum Power Current (Imp)	9.74	9.82	10.32	10.4	10.47	10.54	10.63	10.7	12.88	12.92	12.96	13.0

Working Conditions	
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1500V
Maximum Series Fuse	20A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	⩾100MΩ

Mechanical Specifications	
External Dimensions	2012*992*5.5/2018*998*30mm 2039*1002*5.5/2045*1008*30mm 2131×1052×30/2094*1038*30mm 2288×1134 x 30/2256×1133×30 mm
Weight	23.0/25.5 kg 24.0/26.5kg 29kg/28kg 32.5/32.0kg
Solar Cells	Monocrystalline:156.75x156.75mm 158.75*158.75mm(72pcs) 166×166mm（72pcs） 182 x 91mm (144pcs)
Front glass	2.0 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-xxx-BMB-BG (xxx=290-370&440-450） **Electrical Characteristics**

Rated Power (Pmp)	290	295	300	305	310	315	320	325	330	335	340
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	39.2±2%	39.4±2%	39.6±2%	39.9±2%	40.2±2%	40.5±2%	40.7±2%	40.9±2%	41.1±2%	41.4±2%	41.6±2%
Short Circuit Current (Isc)	9.34±4%	9.54±4%	9.65±4%	9.72±4%	9.80±4%	9.86±4%	9.96±4%	10.07±4%	10.16±4%	10.22±4%	10.31±4%
Maximum Power Voltage (Vmp)	32.8	33	33.2	33.5	33.8	34.1	34.3	34.5	34.7	35	35.2
Maximum Power Current (Imp)	8.85	8.94	9.04	9.11	9.18	9.24	9.33	9.43	9.52	9.58	9.66
Rated Power (Pmp)	345	350	355	360	365	370	440	445	450		
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W		
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%		
Open Circuit Voltage (Voc)	40.6±2%	40.8±2%	41±2%	41.2±2%	41.4±2%	41.6±2%	41.12±2%	41.22±2%	41.32±2%		
Short Circuit Current (Isc)	10.87±4%	10.98±4%	11.08±4%	11.16±4%	11.26±4%	11.34±4%	13.56±4%	13.66±4%	13.76±4%		
Maximum Power Voltage (Vmp)	33.6	33.8	34	34.2	34.4	34.6	34.08	34.18	34.28		
Maximum Power Current (Imp)	10.27	10.36	10.45	10.53	10.62	10.63	12.92	13.03	13.13		

Working Conditions	
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1500V
Maximum Series Fuse	20A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	≥100MΩ

Mechanical Specifications	
External Dimensions	1690*992*5.5/1696*998*30mm 1714*1002*5.5/1720*1008*30 mm 1791*1052*30/1755*1038*30mm 1916*1134 * 30/1890*1133*30mm
Weight	19.5/22.0 kg 20.0/22.5kg 24kg/23.5kg 27.0/26.5kg
Solar Cells	Monocrystalline:156.75*156.75mm 158.75*158.75mm(60pcs) 166*166mm（60pcs） 182 * 91mm (120pcs)
Front glass	2.0 mm tempered glass, low iron
Front glass	2.0 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-xxx-BMC-BG (xxx=320-375&485-495） **Electrical Characteristics**

Rated Power (Pmp)	320	325	330	335	340	345	350	355	360	365	370	375
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	43.2±2%	43.4±2%	43.6±2%	43.8±2%	44.1±2%	44.3±2%	44.5±2%	44.7±2%	44.9±2%	45.2±2%	45.4±2%	45.6±2%
Short Circuit Current (Isc)	8.87±4%	8.964%	9.054%	9.134%	9.194%	9.284%	9.364%	9.454%	9.534%	9.594%	9.674%	9.754%
Maximum Power Voltage (Vmp)	36.1	36.3	36.5	36.7	37	37.2	37.4	37.6	37.8	38.1	38.3	38.5
Maximum Power Current (Imp)	8.87	8.96	9.05	9.13	9.19	9.28	9.36	9.45	9.53	9.59	9.67	9.75

Rated Power (Pmp)	485	490	495
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%
Open Circuit Voltage (Voc)	45.22 ± 2%	45.32 ± 2%	45.43 ± 2%
Short Circuit Current (Isc)	13.58 ± 4%	13.68 ± 4%	13.79 ± 4%
Maximum Power Voltage (Vmp)	37.48	37.59	37.7
Maximum Power Current (Imp)	12.95	13.05	13.15

Working Conditions	
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C
Maximum System Voltage(IEC)	1500V
Maximum Series Fuse	20A
Grounding conductivity	<0.1Ω
PV module classification	Class II
Insulation Resistance	⩾100MΩ

Mechanical Specifications	
External Dimensions	1810*992*5.5/1816*998*30mm 2102*1134 * 30/2073*1133*30 mm
Weight	21.0/24.0kg 29.5/29kg
Solar Cells	Monocrystalline:156.75*156.75mm 158.75*158.75mm(66pcs) 182 * 91mm (132pcs)
Front glass	2.0 mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm2, cable lengths 1000mm
Hailstone Impact Test	80 km/h for 25mm ice ball

SRP-xxx-E6A/ SRP-xxx-E6A –HV/ SRP-xxx-E6A –TB(xxx=410-435） **Electrical Characteristics**

Rated Power (Pmp)	410	415	420	425	430	435
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	54.5 ±2	54.7 ±2	54.9 ±2	55.05 ±2	55.3 ±2	55.5 ±2
Short Circuit Current (Isc)	9.63 ±4%	9.71 ±4%	9.78 ±4%	9.84 ±4%	9.91 ±4%	9.97 ±4%
Maximum Power Voltage (Vmp)	45.4	45.6	45.8	46.0	46.2	46.4
Maximum Power Current (Imp)	9.04	9.11	9.18	9.24	9.32	9.38

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V（for –HV&-TB）**
Maximum Series Fuse	**25A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**2110*1002*40(35)mm**
Weight	**23.0/22.5kg**
Solar Cells	**monostalline:156.75*156.75mm 158.75*26.46mm(486pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-E6B/ SRP-xxx-E6B -HV / SRP-xxx-E6B - TB(xxx=350-370） **Electrical Characteristics**

Rated Power (Pmp)	350	355	360	365	370
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	46±2	46.2±2	46.4±2	46.6±2	46.8±2
Short Circuit Current (Isc)	9.76±4%	9.85±4%	9.93±4%	10.02±4%	10.1±4%
Maximum Power Voltage (Vmp)	38.2	38.4	38.6	38.8	39.0
Maximum Power Current (Imp)	9.17	9.25	9.33	9.41	9.49

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V（for –HV&-TB）**
Maximum Series Fuse	**25A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1806*1002*35mm**
Weight	**19.5kg**
Solar Cells	**monostalline:156.75*156.75 158.75*26.46mm(486pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BMZ/ SRP-xxx-BMZ -HV / SRP-xxx-BMZ - TB(xxx=425-450） **Electrical Characteristics**

Rated Power (Pmp)	425	430	435	440	445	450
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	52.1±2	52.2±2	52.4±2	52.6±2	52.7±2	52.9±2
Short Circuit Current (Isc)	10.31±4%	10.40±4%	10.47±4%	10.53±4%	10.64±4%	10.70±4%
Maximum Power Voltage (Vmp)	43.8	43.9	44.1	44.3	44.4	44.6
Maximum Power Current (Imp)	9.71	9.80	9.87	9.93	10.03	10.09

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V（for –HV&-TB）**
Maximum Series Fuse	**25A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**2180*1002*40(35)mm**
Weight	**24.0/22.5kg**
Solar Cells	**monostalline:158.75*79.38mm(156pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP67**
Output Cables	**4.0 mm2, cable lengths 1000mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BMZ -BG (xxx=425-450） **Electrical Characteristics**

Rated Power (Pmp)	425	430	435	440	445	450
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	52.1±2%	52.2±2%	52.4±2%	52.6±2%	52.7±2%	52.9±2%
Short Circuit Current (Isc)	10.31±4%	10.4±4%	10.47±4%	10.53±4%	10.64±4%	10.7±4%
Maximum Power Voltage (Vmp)	43.8	43.9	44.1	44.3	44.4	44.6
Maximum Power Current (Imp)	9.71	9.8	9.87	9.93	10.03	10.09

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**2192*1002*5.5/2198 x 1008 x 30mm**
Weight	**25.5/28.5kg**
Solar Cells	**monostalline:158.75*79.38mm(156pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP68**
Output Cables	**4.0 mm2, cable lengths 1300mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BMD -BG (xxx=395-405） **Electrical Characteristics**

Rated Power (Pmp)	395	400	405
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%
Open Circuit Voltage (Voc)	37.01 ± 2%	37.12 ± 2%	37.22 ± 2%
Short Circuit Current (Isc)	13.5 ± 4%	13.6 ± 4%	13.7 ± 4%
Maximum Power Voltage (Vmp)	30.69	30.81	30.93
Maximum Power Current (Imp)	12.88	12.99	13.10

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1500V**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**⩾100MΩ**

Mechanical Specifications	
External Dimensions	**1730*1134 * 30 mm/ 1707*1133*30 mm**
Weight	**24.5kg/24.0kg**
Solar Cells	**monostalline: 182 * 91mm (108pcs)**
Front glass	**2.0 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP68**
Output Cables	**4.0 mm2, cable lengths 1300mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**

SRP-xxx-BMD /SRP-xxx-BMD –HV/SRP-xxx-BMD-TB (xxx=390-405）

Electrical Characteristics

Rated Power (Pmp)	390	395	400	405
Power Sorting	0~+4.99W	0~+4.99W	0~+4.99W	0~+4.99W
Power Tolerance	±3%	±3%	±3%	±3%
Open Circuit Voltage (Voc)	36.9 ± 2%	37.01 ± 2%	37.12 ± 2%	37.22 ± 2%
Short Circuit Current (Isc)	13.40 ± 4%	13.5 ± 4%	13.6 ± 4%	13.7 ± 4%
Maximum Power Voltage (Vmp)	30.59	30.69	30.81	30.93
Maximum Power Current (Imp)	12.78	12.88	12.99	13.10

Working Conditions	
Pmax Temperature Coefficient	**-0.41 %/°C**
Voc Temperature Coefficient	**-0.32 %/°C**
Isc Temperature Coefficient	**+0.05 %/°C**
Operating Temperature	**-40~+85 °C**
Nominal Operating Cell Temperature (NOCT)	**45±2 °C**
Maximum System Voltage(IEC)	**1000V/1500V（for –HV&-TB）**
Maximum Series Fuse	**20A**
Grounding conductivity	**<0.1Ω**
PV module classification	**Class II**
Insulation Resistance	**≥100MΩ**

Mechanical Specifications	
External Dimensions	**1730*1134 * 35 mm/ 1707*1133*35 mm**
Weight	**21.5kg/21.0kg**
Solar Cells	**monostalline: 182 * 91mm (108pcs)**
Front glass	**3.2 mm tempered glass, low iron**
Frame	**Anodized/Electrophoretic aluminum alloy**
Junction Box	**IP68**
Output Cables	**4.0 mm2, cable lengths 1300mm**
Hailstone Impact Test	**80 km/h for 25mm ice ball**