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1. Preface

This manual offers general installation and maintenance information of the Photovoltaic Modules (hereinafter referred to as the Modules) of Renesola Jiangsu Ltd (hereinafter referred to as Renesola).

Before installation, handling or maintenance, ensure that you have read and understand this manual and use the Modules correctly & safely.

The installation manual is only for glass-backsheet type Module, the model names covered are:

A Series Module: \( JC^{***}M-24/A( ) \)
\( JC^{***}S-24/A( ) \)
\( JC^{***}F-24/A( ) \)

B Series Module: \( JC^{***}M-24/B( ) \)
\( JC^{***}S-24/B( ) \)
\( JC^{***}F-24/B( ) \)

C Series Module: \( JC^{***}M-18/C( ) \)
\( JC^{***}S-18/C( ) \)
\( JC^{***}F-18/C( ) \)

D Series Module: \( JC^{***}M-24/D( ) \)
\( JC^{***}S-24/D( ) \)
\( JC^{***}F-24/D( ) \)

E Series Module: \( JC^{***}M-18/E( ) \)
\( JC^{***}M-18/E( ) \)
\( JC^{***}M-18/E( ) \)

Remarks

1. The "***" stands for the module power for detailed information, please refer our module TDS.

2. JC means Renesola, while M is Multiple crystalline, F is square monocrystalline and S is Single Crystalline.

3. The brackets stand for additional information such as "bs" refer to Modules with PV back-sheet and 4 Busbar cells.

Ref.: NS-Installations-001, Version II, ReneSola Jiangsu Ltd.
2. **Safety**

![](https://i.imgur.com/3yQ5z.png)

**ATTENTION: Danger of death from electric shock**

1. Installation, trouble shooting and maintenance of solar installations present hazards associated with electrocution, electrical arcs, burns, working from heights and manual handling; therefore, this work must only be carried out by suitably trained professionals with the appropriate safety equipment and procedures in place at all times.

2. Do not dismantle, disassemble or modify any port of the Modules and do not remove or alter in anyway the labelling or markings on Modules.

3. Do not install a panel that has been damaged, glass smashed or back-sheet torn.

4. Mating connector pairs on Module and array leads must be the same brand and type.

5. Do not touch exposed parts, cables or connectors.

6. Do not step or walk on the modules. Doing so may damage and crack parts of modules.

7. Do not strike Modules or subject Modules to impact with tools or objects.

8. Do not expose modules to chemicals, for instance paints, solvents, adhesives.

9. Keep the Modules away from inflammable gas, hazardous chemicals orflammable items.

10. Electrical hazards must be taken in account at all times when working on or around solar modules. Please take necessary actions to avoid possibility of electrical injuries.
3. Transportation and Handling

**HANDLE WITH CARE - FRAGILE GLASS**

Solar Modules are glass and contain very fragile Silicon wafers inside them and must be transported and handled with the utmost care. **Do not** strike, drop or bend a Solar module.

1. Never transport other items (e.g., Inverters) on top to a solar module pack.
2. Store the modules safely in cool and dry area. The packaging is not weatherproof.
3. Leave modules in their packaging until they are to be installed.
4. The Modules should be transported in their original packaging where possible with any free space in the box securely filled with soft packaging materials to prevent the panels from moving around.
5. Use extreme caution if stacking modules for transport of less than a pallet at a time line up the modules with their edge protectors in place and wraps, strap and fasten them so that they cannot move around or rattle and fall. Care must be taken with fasteners that secure modules but do not bend or damage the modules in any way.
6. During Unpacking ReneSola strongly recommends having two people handling the module frames.
7. Unpacking PV modules from the original package:
   - **Step 1:** Remove securing straps.
   - **Step 2:** Remove the pallet lid.
   - **Step 3:** Unpack the Modules one by one and stack them (surface glass side down) without removing the cardboard edge protector.
Step 4: Remove the cardboard edge protector from the Modules before installing.

8. Check the module for damage due to transportation before the installation.

9. Never move modules by pulling their cables.

10. Carry the modules with both hands and with their glass surface facing the operator when absolutely necessary (one operator available) (please see Figure 2).

11. Do NOT stack the modules back-sheet side down to avoid glass scratch and electric shock risk (please see Figure 3).

12. Carry the Modules carefully and handle them according to instructions.

13. The surface oxide layer of the frame may be damaged by sharp objects, do not destroy or scratch the frame of the Modules.

14. Glass surface, back-sheet and aluminum frame are susceptible to damage that could affect the performance or integrity of the PV module; do not damage or scratch the surfaces, and do not spray any non-validated chemicals paints, solvents or adhesive to any of the surfaces, including the frame. Doing so may degrade performance or cause irreparable damage and will void any applicable warranties.

15. Do not step or walk on the Modules. Doing so may damage modules (please see Figure 4).
16. Do NOT carry wet or hot Modules. Dropping a module from an height and the impact of falling tools may affect the electrical performance or break the module (please see Figure 4).

Figure 4. Handling Precautions
4. **Installation**

1. Installers must be qualified and familiar with solar and electrical principles.
2. Notify ReneSola of any damage to product immediately. Do not use or install damaged Modules. Damaged Modules may cause fire or electric shock; resulting in property damage, fire and or death.
3. Do not disconnect or connect any cables under load.
4. Suitable over current protection devices (string fuses etc.) must be installed when connecting 3 or more strings in parallel configuration.
5. Match the polarities of cables and terminals when making the connections; failure to do so may result in damage to the module.
6. Under normal conditions, a Module may be able to produce voltage and current higher than in standard test condition. Accordingly, when determining component rated voltage, conductor ampacities, fuse current and size of controls connected to the PV output, the short circuit current and open circuit voltage value marked on this module shall be multiplied by a factor (safety factor) of 1.25.*

   * **Note:** The safety factor for component rated voltage, conductor ampacities, fuse current and size of controls connected to the PV output is subject to the meteorological conditions of project sites.

7. The Modules shall be installed so as to maximize solar exposure and to minimize shading by trees, buildings or other obstacles in the surrounding area. Generally in the Northern hemisphere Modules are ideally orientated to the South and in the Southern hemisphere Modules orientated to the North.
8. A suitable mounting structure shall be installed. It must withstand the pressure of high winds or heavy snow according to the site conditions and structure. The mounting structure must be made of durable, corrosion & UV resistant materials.
9. The mounting structures must be designed by qualified structural engineers, and installation design and procedures shall be consistent with the relevant local standards.
10. Select either method of fixing mentioned below depending on site conditions: Screw-fixing system (Drawing 1-a), Fixture-fixing system (Drawing 1-b).

![Diagram of Screw-fixing and Fixture-fixing systems]

**Drawing 1-a Installed by nut and bolt**

**Drawing 1-b Installed by fixture**

11. Installation method and location

1) Screw-fixing:

Fix the modules on the bracket at 8 border prefabricated installation holes (Drawing 2). The standard installing holes must be fixed with bolts in all the cases and the additional installing holes would be also used in the case of strong wind and/or heavy snow. Applied torque is recommended as 7-11 N·m for M6 (diameter is 6mm) screw.

![Diagram of Screw-fixing installation holes]

**Drawing 2 Screw-fixing**

2) Fixture-fixing:

Ref.: NS-Installations-001, Version II, ReneSola Jiangsu Ltd.
Fix the module safely and securely on the mounting structure. The length of clamp should 40mm minimum. Applied torque is recommended as 7-11 Nm for M6(diameter is 6mm)screw.

For A Series (156-72 cell JC***M-A/24Axx) modules, six clamps must be used:

**Drawing 3-1 On long frame**

**Drawing 3-2 On short frame**

For other series module, fix the module with the long sides (Drawing 4-1) or short sides (Drawing 4-2) according to the bracket locations specified below and mechanical load requirements.

**Drawing 4-1 Fixing on the long sides for the other module series**

**Drawing 4-2 Fixing on the short sides for the other module series**
3) Inserting System:

Fix the module with U type groove or flange beam.

All available installation methods for A series modules (156-72)  
(Drawing 5)

For other series module, fix the module with the long sides or short sides according to the bracket design and mechanical load requirement.  
(Drawing 6)

Fixing eight installation holes simultaneously is recommended according to the Security Considerations. When installed correctly, the Modules can withstand a maximum snow pressure of 5400 Pa or wind pressure of 2400 Pa.
12. When installing the Modules on the roof, ensure there is an appropriate mounting structure.

13. Grounding

1) PID (Potential Induced Degradation) due to combined effects of high temperature, high humidity and high voltage, is most likely to be observed in similar climates and mounting surroundings such as India, Southeast Asia, floating designs. Except for equipment grounding, negative system grounding is strongly recommended as the basic solution for PID phenomenon.

2) Grounding method shall be consistent with the local standard and regulations. Any grounding system/method, which is designed in accordance with relevant international and local standards and regulations, such as UL2703, UL467, IEC60335, NEC article 250 and section 690.V.43, etc. could be attached to the Modules.

3) In order to prevent electrochemical corrosion, materials in contact with module frames, should be properly selected and galvanic isolation provided where necessary.

4) Grounding wire shall be the bare copper wire with simple surface treatment and no insulation sleeve. Wire cable with cross-sectional area of 4~6 mm² (10~12 AWG) and ground clamp (such as Tyco, identification of product: 1954381-2) are recommended (diagrammatic sketches are as follows).

**Drawing 7  Grounded with Ground clamp**

14. When the connecting wires of the Modules do not meet length requirements, a correctly rated electrical cable that is designed and certified for long term outdoor use along with...
the correct connectors can be used to extend the connections. The connectors must match the Module connectors. The cross-sectional area for PV array wire must be be no less than 4 mm², and the connection system IP 65 rated.

15. The minimum separation between two Modules shall be more than 10 mm; when installing on the roof, the recommended separation between the Modules and the roof surface is 100 mm to allow for air flow around the modules. When installing on ground mounts keep ground clearances to more than 450 mm.

16. It is better to use the Modules with same specifications when connected in series.

17. Artificially concentrated sunlight shall not be directed on the module.

18. Our modules have passed the salt mist and ammonia test (Please refer the test report for detailed information) and can be installed in some corrosive environments, e.g. sea side.

19. The modules should not be installed at the place which is less than 100 meters from the seashore. If the distance of the seashore and the project site is 100~1000 meters, anti-corrosion application should be taken during the installation and grounding processes.

5. **Product Identification**

Nameplate: describes the product model; rated power; rated current, rated voltage, open circuit voltage, and short circuit current. All above parameters are measured in standard test conditions.

Other information, such as weight, size, maximum system voltage and maximum fuse current are marked on the nameplate as well.

Barcode: the barcode is located in the inside the glass the Module, and contains the serial number (also displayed).

**Do not remove or alter any label or marking, this will void warranty.**

6. **Maintenance**

1. Do not touch any live parts of the array incl. wires, uninsulated cable and the connector.

   Use the safety equipment when working on solar equipment (insulating tool, insulating gloves etc.).
2. An opaque cloth or other non-abrasive material can be used to cover the front of the modules to eliminate sunlight exposure and reduce the chance of electrocution during maintenance when required.

3. Cleaning instructions
   Periodic cleaning is recommended for solar modules. The cleaning process should be done by suitably trained professionals with the appropriate safety equipment and procedures in place at all times. When cleaning the module surface.
   a) The following rules apply:
      ✓ To reduce thermal shock clean panels during times of low irradiance.
      ✓ Only use soft cloths or sponges to clean the glass surface.
      ✓ Only use clean water as the cleaning solvent.
      ✓ The difference between water temperature and module temperature should be in the range of -5°C to +10°C.
      ✓ Water pressure should be less than 1000 Pa.
   b) following notes should be taken into account:
      ✓ No other chemical should be used in cleaning process.
      ✓ No aggressive tools or coarse cleaning materials are permitted.
      ✓ Do not step or walk on the Modules.
      ✓ Do not strike Modules or subject Modules to impact with tools or objects
      ✓ Isolate modules during cleaning and maintenance, the modules must not be under load.
      ✓ Do not touch exposed cables or connectors.
      ✓ Do not remove dust in dry way (without water)

7. Annual Inspection
   1. Check if nuts, bolts of mounting structure are secure and not loose. Tighten the loose components again, if required.
2. Check the connecting cables, grounding cables and connectors and the performance of the ground resistance.

3. Check all electrical and mechanical connections for freedom from corrosion.

4. Check the ground resistance of metal parts such as the module frames and the mounting structures.

8. **Disclaimer of Liability**

1. The use of this manual and installation, handling, maintenance and use of modules are beyond ReneSola’s control, and ReneSola does not assume any responsibility for loss, damage, injury or expense resulting from incorrect installation, handling, use or maintenance.

2. ReneSola assumes no responsibility for any infringement of intellectual property right (including without limitation patent, copyright and trademark) or other rights of third parties that may result from use of modules. No license in connection with intellectual property right (including without limitation patent, copyright and trademark) or other rights of ReneSola, whether expressly or impliedly, is granted to customers because of use of modules.

3. All information stated in this manual is based on ReneSola’s knowledge and experience, but no warranty about such information (including modules specifications) is made by ReneSola, whether expressly or implied. ReneSola reserves the right to update this manual, modules specifications or relevant information without prior notice.

9. **Applicable Law and Dispute Settlement**

This “Installations & Maintenance for PV Modules” shall be governed by and interpreted under the laws of Hong Kong (irrespective of its choice of law principles).

Except for the technical disputes, all disputes arising out of or in connection with this “Installations & Maintenance for PV Modules” shall, unless amicably settled between the parties, be settled by arbitration in Hong Kong under the Hong Kong International Arbitration Centre Administered Arbitration Rules in force when the Notice of Arbitration is submitted in
accordance with these Rules. The language of arbitration shall be English. The award of the
Arbitrators will be final and binding upon the Parties. Provided that there is any inconsistency
between the sale’s contracts to which this “Installations & Maintenance for PV Modules” is
attached, the terms and conditions of the sales contract shall prevail.

This document constitutes part of the contract and valid automatically when the
contract is signed.

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- JC***F-24/B( )

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- JC***M-18/C( )
- JC***S-18/C( )
- JC***F-18/C( )

**D Series Module:**
- JC***M-24/D( )
- JC***S-24/D( )
- JC***F-24/D( )

**E Series Module:**
- JC***M-18/E( )
- JC***M-18/E( )
- JC***M-18/E( )

**Remarks**

1. The "***" stands for the module power for detailed information, please refer our module TDS.
2. JC means Renesola, while M is Multiple crystalline, F is square monocrystalline and S is Single Crystalline.
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8. Do not expose modules to chemicals, for instance paints, solvents, adhesives.

9. Keep the Modules away from inflammable gas, hazardous chemicals or flammable items.

10. Electrical hazards must be taken in account at all times when working on or around solar modules. Please take necessary actions to avoid possibility of electrical injuries.
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2. Store the modules safely in cool and dry area. The packaging is not weatherproof.
3. Leave modules in their packaging until they are to be installed.
4. The Modules should be transported in their original packaging where possible with any free space in the box securely filled with soft packaging materials to prevent the panels from moving around.
5. Use extreme caution if stacking modules for transport of less than a pallet at a time line up the modules with their edge protectors in place and wraps, strap and fasten them so that they cannot move around or rattle and fall. Care must be taken with fasteners that secure modules but do not bend or damage the modules in any way.
6. During Unpacking ReneSola strongly recommends having two people handling the module frames.
7. Unpacking PV modules from the original package:
   Step 1: Remove securing straps.
   Step 2: Remove the pallet lid.
   Step 3: Unpack the Modules one by one and stack them (surface glass side down) without removing the cardboard edge protector.
Step 4: Remove the cardboard edge protector from the Modules before installing.

8. Check the module for damage due to transportation before the installation.

9. Never move modules by pulling their cables.

10. Carry the modules with both hands and with their glass surface facing the operator when absolutely necessary (one operator available) (please see Figure 2).

11. Do NOT stack the modules back-sheet side down to avoid glass scratch and electric shock risk (please see Figure 3).

12. Carry the Modules carefully and handle them according to instructions.

13. The surface oxide layer of the frame may be damaged by sharp objects, do not destroy or scratch the frame of the Modules.

14. Glass surface, back-sheet and aluminum frame are susceptible to damage that could affect the performance or integrity of the PV module; do not damage or scratch the surfaces, and do not spray any non-validated chemicals paints, solvents or adhesive to any of the surfaces, including the frame. Doing so may degrade performance or cause irreparable damage and will void any applicable warranties.

15. Do not step or walk on the Modules. Doing so may damage modules (please see Figure 4).
16. Do NOT carry wet or hot Modules dropping a module from an height and the impact of falling tools may affect the electrical performance or break the module (please see Figure 4).

![Handling Precautions](image)

Figure 4. Handling Precautions
4. **Installation**

1. Installers must be qualified and familiar with solar and electrical principles.

2. Notify ReneSola of any damage to product immediately. Do not use or install damaged Modules. Damaged Modules may cause fire or electric shock; resulting in property damage, fire and or death.

3. Do not disconnect or connect any cables under load.

4. Suitable over current protection devices (string fuses etc.) must be installed when connecting 3 or more strings in parallel configuration.

5. Match the polarities of cables and terminals when making the connections; failure to do so may result in damage to the module.

6. Under normal conditions, a Module may be able to produce voltage and current higher than in standard test condition. Accordingly, when determining component rated voltage, conductor ampacities, fuse current and size of controls connected to the PV output, the short circuit current and open circuit voltage value marked on this module shall be multiplied by a factor (safety factor) of 1.25.*

   * **Note:** The safety factor for component rated voltage, conductor ampacities, fuse current and size of controls connected to the PV output is subject to the meteorological conditions of project sites.

7. The Modules shall be installed so as to maximize solar exposure and to minimize shading by trees, buildings or other obstacles in the surrounding area. Generally in the Northern hemisphere Modules are ideally orientated to the South and in the Southern hemisphere Modules orientated to the North.

8. A suitable mounting structure shall be installed. It must withstand the pressure of high winds or heavy snow according to the site conditions and structure. The mounting structure must be made of durable, corrosion & UV resistant materials.

9. The mounting structures must be designed by qualified structural engineers, and installation design and procedures shall be consistent with the relevant local standards.
10. Select either method of fixing mentioned below depending on site conditions: Screw-fixing system (Drawing 1-a), Fixture-fixing system (Drawing 1-b).

![Diagram showing Screw-fixing and Fixture-fixing methods]

**Drawing 1-a Installed by nut and bolt**

**Drawing 1-b Installed by fixture**

11. Installation method and location

1) Screw-fixing:

Fix the modules on the bracket at 8 border prefabricated installation holes (Drawing 2).

The standard installing holes must be fixed with bolts in all the cases and the additional installing holes would be also used in the case of strong wind and/or heavy snow. Applied torque is recommended as 7-11 N·m for M6 (diameter is 6mm) screw.

![Diagram showing Screw-fixing method]

**Drawing 2  Screw-fixing**

2) Fixture-fixing:

Ref.: NS-Installations-001, Version II, ReneSola Jiangsu Ltd.
Fix the module safely and securely on the mounting structure. The length of clamp should 40mm minimum. Applied torque is recommended as 7-11 Nm for M6 (diameter is 6mm) screw.

For A Series (156-72 cell JC***M-A/24Axx) modules, six clamps must be used:

- **Drawing 3-1 On long frame**
- **Drawing 3-2 On short frame**

For other series module, fix the module with the long sides (Drawing 4-1) or short sides (Drawing 4-2) according to the bracket locations specified below and mechanical load requirements.

- **Drawing 4-1 Fixing on the long sides for the other module series**
- **Drawing 4-2 Fixing on the short sides for the other module series**

Ref.: NS-Installations-001, Version II, ReneSola Jiangsu Ltd.
3) Inserting System:

Fix the module with U type groove or flange beam.

All available installation methods for A series modules (156-72) (Drawing 5)

Drawing 5  Fixing with sideway for A series modules

For other series module, fix the module with the long sides or short sides according to the bracket design and mechanical load requirement. (Drawing 6)

Drawing 6  Fixing with sideway for the other module series

Fixing eight installation holes simultaneously is recommended according to the Security Considerations. When installed correctly, the Modules can withstand a maximum snow pressure of 5400 Pa or wind pressure of 2400 Pa.
12. When installing the Modules on the roof, ensure there is an appropriate mounting structure.

13. Grounding

1) PID (Potential Induced Degradation) due to combined effects of high temperature, high humidity and high voltage, is most likely to be observed in similar climates and mounting surroundings such as India, Southeast Asia, floating designs. Except for equipment grounding, negative system grounding is strongly recommended as the basic solution for PID phenomenon.

2) Grounding method shall be consistent with the local standard and regulations. Any grounding system/method, which is designed in accordance with relevant international and local standards and regulations, such as UL2703, UL467, IEC60335, NEC article 250 and section 690.V.43, etc. could be attached to the Modules.

3) In order to prevent electrochemical corrosion, materials in contact with module frames, should be properly selected and galvanic isolation provided where necessary.

4) Grounding wire shall be the bare copper wire with simple surface treatment and no insulation sleeve. Wire cable with cross-sectional area of 4~6 mm² (10~12 AWG) and ground clamp (such as Tyco, identification of product: 1954381-2) are recommended (diagrammatic sketches are as follows).

Drawing 7  Grounded with Ground clamp

14. When the connecting wires of the Modules do not meet length requirements, a correctly rated electrical cable that is designed and certified for long term outdoor use along with
the correct connectors can be used to extend the connections. The connectors must match the Module connectors. The cross-sectional area for PV array wire must be no less than 4 mm², and the connection system IP 65 rated.

15. The minimum separation between two Modules shall be more than 10 mm; when installing on the roof, the recommended separation between the Modules and the roof surface is 100 mm to allow for air flow around the modules. When installing on ground mounts keep ground clearances to more than 450 mm.

16. It is better to use the Modules with same specifications when connected in series.

17. Artificially concentrated sunlight shall not be directed on the module.

18. Our modules have passed the salt mist and ammonia test (Please refer the test report for detailed information) and can be installed in some corrosive environments, e.g. sea side.

19. The modules should not be installed at the place which is less than 100 meters from the seashore. If the distance of the seashore and the project site is 100-1000 meters, anti-corrosion application should be taken during the installation and grounding processes.

5. Product Identification

Nameplate: describes the product model; rated power; rated current, rated voltage, open circuit voltage, and short circuit current. All above parameters are measured in standard test conditions.

Other information, such as weight, size, maximum system voltage and maximum fuse current are marked on the nameplate as well.

Barcode: the barcode is located in the inside the glass the Module, and contains the serial number (also displayed).

Do not remove or alter any label or marking, this will void warranty.

6. Maintenance

1. Do not touch any live parts of the array incl. wires, uninsulated cable and the connector.

   Use the safety equipment when working on solar equipment (insulating tool, insulating gloves etc.).
2. An opaque cloth or other non-abrasive material can be used to cover the front of the modules to eliminate sunlight exposure and reduce the chance of electrocution during maintenance when required.

3. Cleaning instructions

   Periodic cleaning is recommended for solar modules. The cleaning process should be done by suitably trained professionals with the appropriate safety equipment and procedures in place at all times. When cleaning the module surface.

a) The following rules apply:

   ✓ To reduce thermal shock clean panels during times of low irradiance.
   ✓ Only use soft cloths or sponges to clean the glass surface.
   ✓ Only use clean water as the cleaning solvent.
   ✓ The difference between water temperature and module temperature should be in the range of $-5^\circ C$ to $+10^\circ C$.
   ✓ Water pressure should be less than 1000 Pa.

b) Following notes should be taken into account:

   ✓ No other chemical should be used in cleaning process.
   ✓ No aggressive tools or coarse cleaning materials are permitted.
   ✓ Do not step or walk on the Modules.
   ✓ Do not strike Modules or subject Modules to impact with tools or objects.
   ✓ Isolate modules during cleaning and maintenance, the modules must not be under load.
   ✓ Do not touch exposed cables or connectors.
   ✓ Do not remove dust in dry way (without water).

7. Annual Inspection

1. Check if nuts, bolts of mounting structure are secure and not loose. Tighten the loose components again, if required.
2. Check the connecting cables, grounding cables and connectors and the performance of the ground resistance.

3. Check all electrical and mechanical connections for freedom from corrosion.

4. Check the ground resistance of metal parts such as the module frames and the mounting structures.

8. **Disclaimer of Liability**

   1. The use of this manual and installation, handling, maintenance and use of modules are beyond ReneSola’s control, and ReneSola does not assume any responsibility for loss, damage, injury or expense resulting from incorrect installation, handling, use or maintenance.

   2. ReneSola assumes no responsibility for any infringement of intellectual property right (including without limitation patent, copyright and trademark) or other rights of third parties that may result from use of modules. No license in connection with intellectual property right (including without limitation patent, copyright and trademark) or other rights of ReneSola, whether expressly or impliedly, is granted to customers because of use of modules.

   3. All information stated in this manual is based on ReneSola’s knowledge and experience, but no warranty about such information (including modules specifications) is made by ReneSola, whether expressly or implied. ReneSola reserves the right to update this manual, modules specifications or relevant information without prior notice.

9. **Applicable Law and Dispute Settlement**

   This “Installations & Maintenance for PV Modules” shall be governed by and interpreted under the laws of Hong Kong (irrespective of its choice of law principles).

   Except for the technical disputes, all disputes arising out of or in connection with this “Installations & Maintenance for PV Modules” shall, unless amicably settled between the parties, be settled by arbitration in Hong Kong under the Hong Kong International Arbitration Centre Administered Arbitration Rules in force when the Notice of Arbitration is submitted in
accordance with these Rules. The language of arbitration shall be English. The award of the
Arbitrators will be final and binding upon the Parties. Provided that there is any inconsistency
between the sale’s contracts to which this "Installations & Maintenance for PV Modules" is
attached, the terms and conditions of the sales contract shall prevail.

This document constitutes part of the contract and valid automatically when the
contract is signed.

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