



Additional Instruction for salt corrosion area

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1. General Information

When the photovoltaic system is installed in high humidity areas or any area with the module less than 50 meters away from the salt source, beside of DMEGC proposed product setup in below, for all DMEGC metal/aluminums framed modules, in addition to complying with the Installation Manual of Standard Solar Modules, the installation also needs to meet the requirements of this document.

Site feature	High humidity	Wave <3m, UV, humidity, salt	Wave >3m, UV, humidity, salt
Typical area	Lake	Coast line	Sea
Glass	Glass glass	Bilayer coating GG	Bilayer coating GG
Frame	AA10	AA15 *	AA20 *
Connector	With protector (optional)	With protector (optional)	With protector

2. Installation Manual Disclaimer

DMEGC shall not be liable for any loss, damage or expense arising from the use of these supplements and the installation, operation, use or maintenance of photovoltaic (PV) products as required by this supplement and the conditions or methods of installation, operation, use and maintenance of such products.

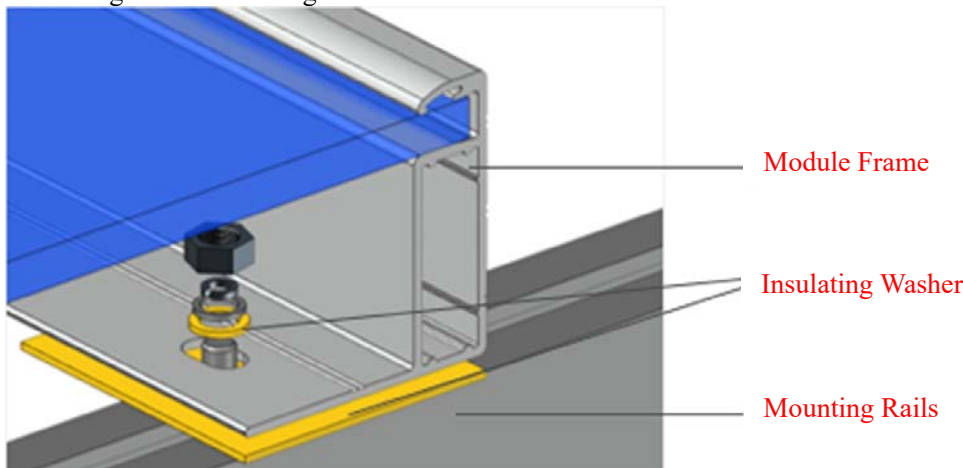
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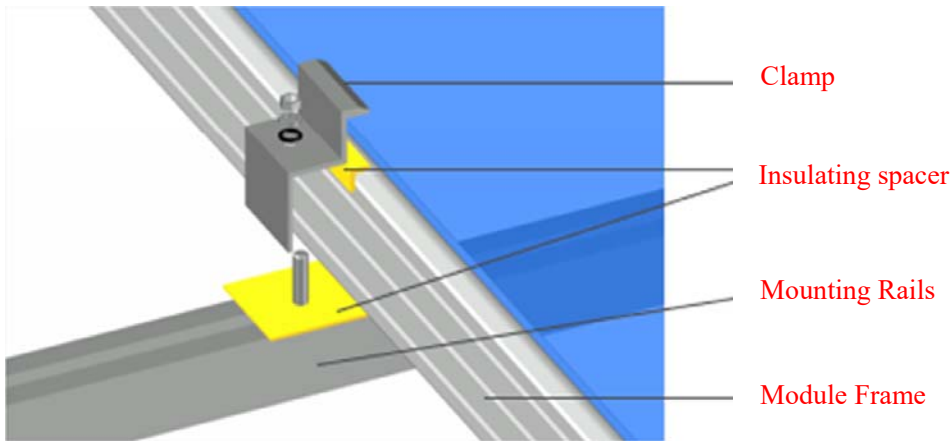
3. Fixture Requirement

The point of this document is to use durable insulation materials to avoid ohmic contact between the frame of the module and the bracket and its ancillary system. Mica sheets or other insulating materials made of silicone or fluoride are recommended. The followings are references for the insulation treatment of different module mounting methods:

■ Mounting Method: Bolting



■ Mounting Method: Clamping



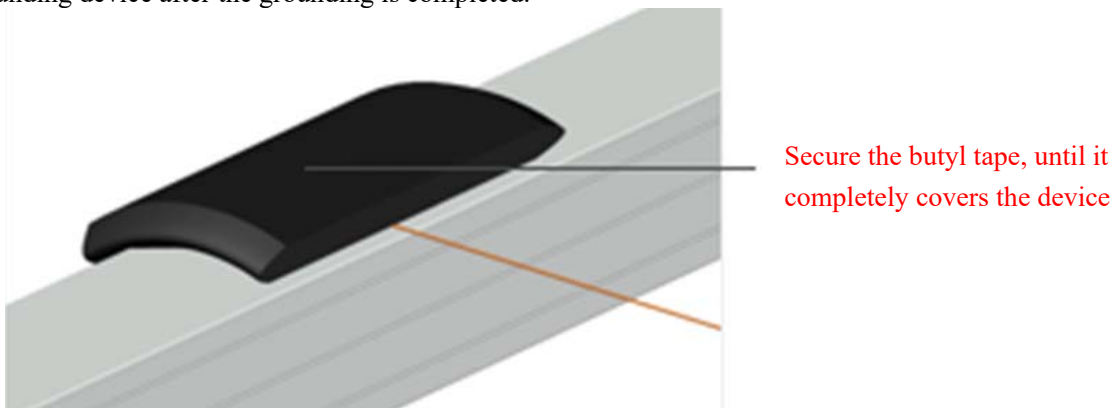
Note: The Insulation washer/spacer shall good enough to prevent the Ohmic contact between the module frame and other metal/conductive materials.

4. Grounding Requirement

Two special **corrosion** protection methods are recommended to protect grounding points on PV modules.

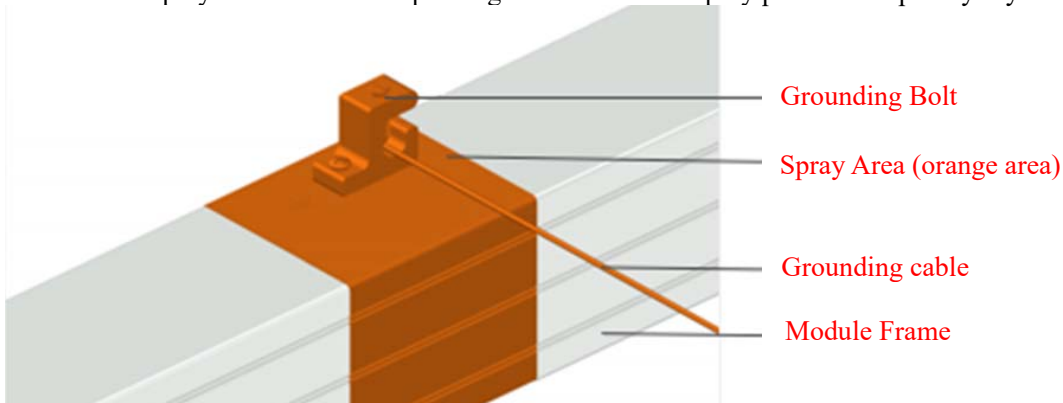
4.1 Butyl Tape

Clean the grounding device and surrounding area, fix the butyl tape under dry conditions until it completely covers the grounding device after the grounding is completed.



4.2 Fluorocarbon Paint

Clean the grounding device and surrounding area, spray fluorocarbon paint on the grounding device after grounding under dry conditions to form an anti-corrosion coating. The coating shall cover the entire connection area of the grounding device and the module rails or support system. The thickness of the fluorocarbon paint coating must be greater than 40 μm. It is recommended to spray the fluorocarbon paint again after the first spray paint is completely dry.



5. Security Precaution

Components of anti-corrosion products have certain potential safety risks for the personnel who install the module. DMEGC urges anyone involved in or close to corrosion protection solutions to obtain a Material Safety Data Sheet (MSDS) for the selected corrosion protection application.

Whether you choose a fluorocarbon solution or a butyl tape product, carefully read and strictly follow this user manual. Special protective equipment may be required before or during operation, please refer to MSDS for your product.

6. Maintenance

To ensure optimal performance of corrosion area installation modules, system maintenance should be carried out every 3 months, with the following maintenance measures:

- (1) Check the bracket, support system, grounding device and other connection areas for potential signs of corrosion.
- (2) Clean the bracket, support system, grounding device, and other connection areas to protect them from salt and dust accumulation.