



Additional Instruction of DMEGC PV modules -offshore Installation

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1. General Information

The installation manual published on the <https://www.dmegcsolar.com/download> applies to DMEGC standard modules installed more than 500 meters from the coast. When the photovoltaic system is 50 meters to 500 meters from the coast (offshore installation), in addition to complying with the Installation Manual of Standard Solar Modules, the installation also needs to meet the requirements of this instruction (0-50 meters must provide the meteorological data of the installation site and the specific installation method to the assessment of DMEGC).

2. Installation Manual Disclaimer

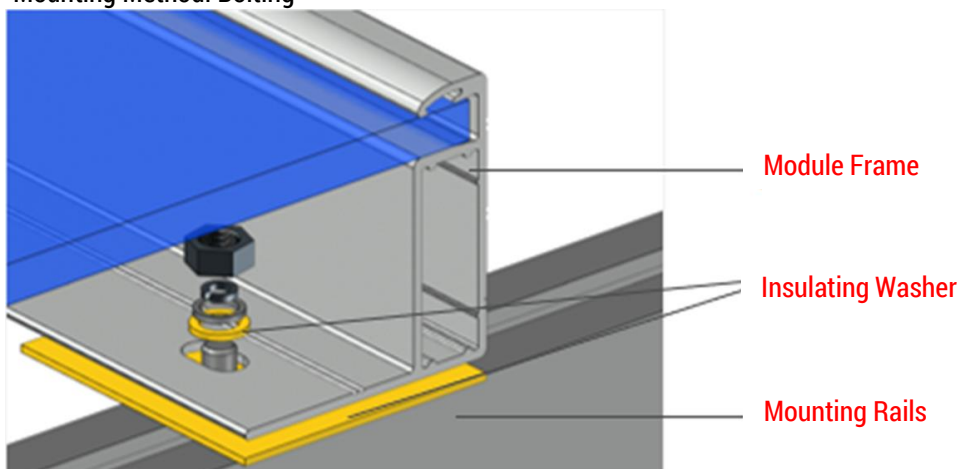
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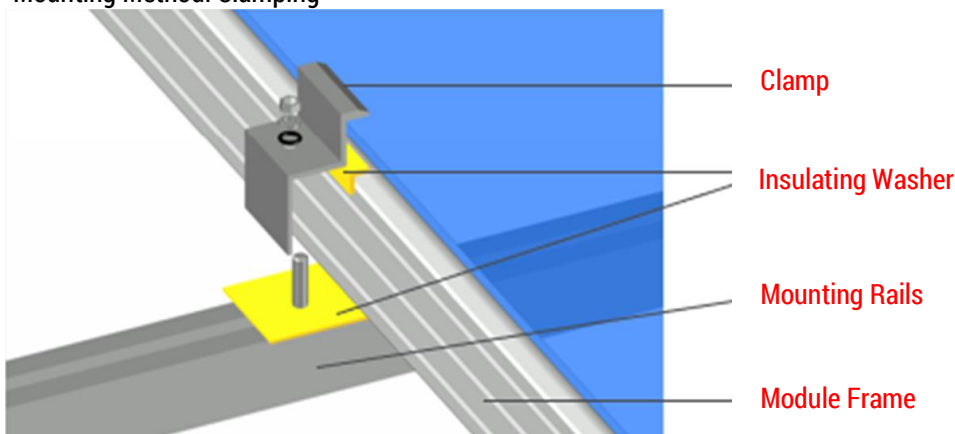
3. Fixture Requirement

The point of offshore installation 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 following is a reference for the insulation treatment of different module installation methods:

■ Mounting Method: Bolting



■ Mounting Method: Clamping

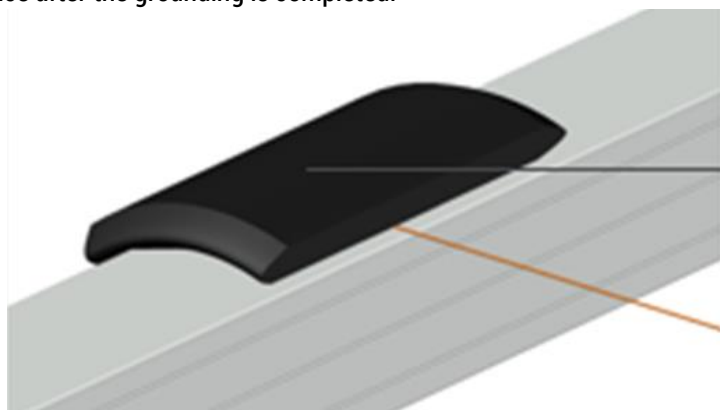


4. Grounding Requirement

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

4.1 Butyl Tape

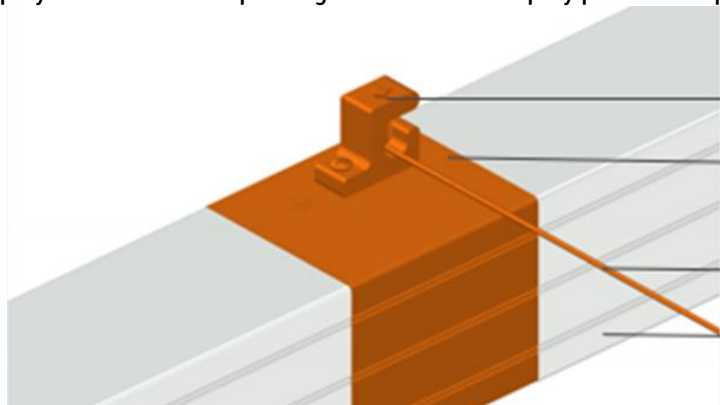
Clean the grounding device and surrounding area, fix the butyl tape under dry conditions until it completely covers the grounding device after the grounding is completed.



Secure the butyl tape, until it completely covers the device

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.



Grounding Bolt

Spray Area (orange area)

Grounding cable

Module Frame

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 offshore 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.