

Tongwei Seaside Module Installation & Maintenance Guide

Tongwei provides standard product warranty for modules installed near the seaside, provided the following distance, installation, and maintenance requirements are strictly followed.

I. Site Location & Warranty Status

Safe Zone ($> 500\text{m}$ from sea): Standard installation and maintenance. Fully Under Warranty.

Corrosion Zone ($50\text{m} - 500\text{m}$ from sea): Requires additional anti-corrosion and maintenance measures. Under Warranty.

Prohibited Zone ($< 50\text{m}$ from sea): Installation is strictly prohibited unless preapproved.

Any contact, partial or complete soaking by seawater will immediately void the Tongwei warranty with no exception.

II. Core Installation Requirements

To protect Tongwei's module and aluminum alloy frames from electrochemical corrosion in salt-fog environments, ensure the following: Frame Protection: Avoid scratching the module frames or their anti-corrosion layers during handling and installation.

Tilt Angle: The Module is recommend to be installed at an angle no less than 10 degrees to avoid dust and salt mist on the surface of the Module.

Connector Protection: Connectors must be plugged in on the day of installation. If they cannot be connected immediately, dust plugs must be used to prevent salt mist corrosion.



Material Compatibility: Use salt-mist and seawater-resistant BOS materials.

Tongwei recommends stainless steel (SUS316) grounding terminals. Do not use copper/copper alloys.

Insulation & Coating: Use insulation gaskets (rubber/mica) or anti-corrosive paint at all connection points between the aluminum frame and non-aluminum metals.

Apply overall anti-corrosion coating after installation.

III. Enhanced Maintenance Guide

Near-coast environments require more regular cleaning and system checks than standard projects to ensure optimum performance:

More Frequent Inspections: Regularly check the frames, mounting systems, grounding blocks, and junction areas for any potential signs of corrosion.

More Regular Cleaning: Frequently clean the frames and junction areas to remove accumulated salt, dust, and conductive electrolytes.

Thank you for choosing Tongwei! By following these simple yet vital steps, you are protecting your investment and ensuring your system thrives in the beautiful coastal sun. We look forward to powering a brighter, sustainable future together with you!

