

Are Trina Solar solar modules corrosive?

Salt spray corrosion tests conducted in accordance with IEC 61701 have shown that Trina Solar's PV modules can be installed near offshore or in the corrosive environment. However, the modules shall not be immersed in water or in a permanently wet environment (e.g., fountains, spindrift, etc.).

Do Trina Solar PV modules have bypass diodes?

Trina Solar PV modules are equipped with bypass diodes in the junction box to minimize module heating and current losses. When using scaffolding, make sure that the scaffolding is in a stable position or with anti-dumping measures, and that the installer should wear a safety belt in accordance with local building codes.

What temperature should Trina Solar modules be installed in?

Trina Solar recommends that the module should be installed in a working environment with an ambient temperature of  $-20^{\circ}\text{C}$  to  $50^{\circ}\text{C}$ , but not exceed the temperature limit of  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$ . The modules shall be installed in shadow-free areas throughout the year. Do not install the PV modules at a place where water damage may occur.

Can a loose connection damage a Trina Solar PV module?

Loose connections will result in damage to the array. This manual covers the requirements for the cleaning procedures of Trina Solar PV modules. Professional installers should read these guidelines carefully and strictly follow these instructions.

What type of cable do I need for Trina Solar?

The standard copper cables applied in Trina Solar modules are UV resistant and with a cross-sectional area of  $\geq 4 \text{ mm}^2$  (12 AWG). All other cables applied to connect the DC system should be provided with a similar or larger wire cross section.

How do I ground Trina Solar?

Trina Solar recommends using grounding wires with resistances that are less than  $1\Omega$ . The electrical contact is made by penetrating the anodized coating of the aluminum frame, and tightening the mounting screw (together with the star washer) to the proper torque of 3-7 N.m. Grounding connections should be installed by a qualified electrician.

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