

Solar Energy South Africa

Manual transfer and installation of photovoltaic panels



Overview

How to install a solar photovoltaic system?

The installer should conform to all the safety precautions listed in this guide when installing the module. Local codes should also be followed in such installations. Before installing a solar photovoltaic system, the installer should become familiar with the mechanical and electrical requirement for such a system.

Do you need a professional to install a PV module?

The installation and handling of PV modules require professional skills and should only be performed by qualified professionals. The installers must inform end-users (consumers) the aforesaid information accordingly. The word "module" or "PV module" used in this manual refers to one or more CS-series solar modules.

What is included in a solar installation manual?

This installation manual contains important electrical and mechanical installation information as well as safety information that you must be familiar with, providing important safety instructions for the installation, use and maintenance of solar modules.

Is a Trina Solar PV module ul1703 compliant?

The fire rating of a Trina Solar PV module is valid only when mounted in the manner specified in the mechanical mounting instructions of this installation manual. The module is considered to be in compliance with UL1703 only when the module is mounted in the manner specified by the mounting instructions below.

Which materials should be used to install photovoltaic modules?

JA Solar recommends that when installing modules at the seaside, stainless steel or aluminum materials should be used to contact the photovoltaic

modules, and the installation parts should be well protected from corrosion. The tilt angle of the modules is measured between the surface of the modules and a horizontal ground surface.

Can a PV module be switched off?

PV modules produce electricity when exposed to daylight and individual modules cannot be switched off. Hence, unlike most other electrical installation work, the electrical installation of a PV system typically involves working on a live system. See requirements of Regulation 14 of Electricity at Work Regulations 1989.

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