

Unloading of photovoltaic support at construction site

How to unload & store PV modules?

UNLOADING, UNPACKING & STORAGE At receipt of PV modules, verify the product details as it had been ordered. Packing list pasted outside the box contains all details including the serial no of modules. It is recommended to unload the packing box by using forklift only.

Who should install solar PV modules?

The installation of solar PV modules should only be performed by a qualified licensed professional, including, without limitation, licensed contractors and licensed electricians. The installer assumes the risk of all injury that might occur during installation, including without limitation, the risk of electric shock.

CAUTION

How do I know if my PV modules have been shipped?

Before you unpack your modules, check the shipping label to ensure you received the right modules. Once you unpack your modules, check the module frame serial number and model label against the shipping label. The serial number is the unique identifier of each PV module.

What should I do if a PV module is damaged?

DO unstack the pallets immediately if the pallet or packaging is compromised, wet or damaged. DO use stable, self-standing structures or devices, or other pallets for support. DO NOT unpack the module pallets from a wet, soft or inclined area. DO NOT use sharp, unstable structures for support. DO NOT stand or walk on PV modules.

How do PV modules generate electricity?

GENERAL INFORMATION & SAFETY PV modules generate electricity upon direct exposure to light, which can produce electrical shock. Use of insulated tools and gloves is recommended while working with modules in sunlight. No metallic contacts should be on the human body.

What should you not do with a solar module?

Do not disassemble, modify or adapt the module or remove any part or labelling installed by the manufacturer. Do not drill holes in the frame or glass of the module. Do not treat back sheet and front surface of the module with paint and adhesives. Do not artificially concentrate light on the module.

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whole construction monitoring period, the acquisition frequency of the monitoring system was adjusted according to the site construction conditions. For example, during the unloading ...

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The results show that: (1) according to the general requirements of 4 rows and 5 columns fixed photovoltaic support, the typical permanent load of the PV support is 4679.4 N, ...

TÜV SÜD's solar power site assessment helps you understand the site selection criteria for a solar power plant and provides a reliable basis for final site selection and other decision ...

In solar power plant projects, PV solar panel support structure is one of the main elements and limited numerical studies exist on solar panel ground mounted steel frames, ...

Using location (e.g., highways, lakes, rivers), monthly solar power output, and orographic (e.g., slope) data, suitable regions are identified with the geo-spatial analysis; then, ...

It's best to stage the pallets in a flat, open and dry location when unpacking, and position the pallets next to a solid, self-standing support structure, such as a tracker post or wall -- the taller and sturdier the better -- where the ...

1) Set up unloading platform and personnel walkway at the corresponding position of each plant, and lay bulk material channel on the roof to avoid damage to the roof. Clean the roof drainage ...

The monitoring results for the two unloading construction processes on August 27-28, 2018, are displayed in Fig. 20. According to the figure, when the hydraulic jacks are unloaded, the welding construction of the ...

This document provides a safe work procedure for offloading, loading, and dispatching solar PV panels with a telehandler. It outlines responsibilities and definitions. The procedure specifies that a take 5 risk assessment and job ...

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