

# Unloading of photovoltaic support container

How to unpack PV modules?

Unpacking of PV modules should always be done in the vertical manner by two persons as shown in the diagram. Also care should be taken for falling over one module to the other inside the packing box. Modules should be stored in a dry and ventilated environment to avoid direct sunlight and moisture.

Can PV modules be wired in series?

Modules can be wired in series to increase voltage. Connect positive terminal of one module to the negative terminal of the next module. PV modules only with the same rating should be used in series and parallel connections. Connect modules in parallel to increase current.

What if a container is unloaded on the unloading platform?

If the container is unloaded on the unloading platform, it is required to be used with the unloading platform or tooling. The height of the unloading platform and the height of the unloading tooling should be kept at the basic level with the bottom of the container (loading bottom plate), and the height tolerance should be controlled within  $\pm 10\text{mm}$ .

How do I mount a PV module?

The module frame must be attached to a mounting rail using M6 corrosion-proof screws together with spring washers and flat washers in eight symmetrical locations on the PV module. The applied torque should be big enough to fix it steadily. Please find detailed mounting information in the below illustration.

Do you need a fuel oil forklift to unload a module?

If the modules are unloaded from long side forks, fuel oil forklifts are needed to unload. When someone is required to direct the hoisting box to fall during unloading, it shall be kept as flat as possible to avoid collision and throwing of the module box, and the ground shall be flat (Figure 8).

Can bifacial modules be used in a photovoltaic system (BAPV)?

Bifacial modules use direct, reflected, or diffuse sunlight on the backside to generate additional power. Therefore, bifacial modules are not suggested to be used in building attached photovoltaic systems (BAPV).

Pictures of PV module transportation, loading and unloading placement: a) Hi-MO 5 product is loaded into the container in the factory, with a forklift operating margin of about 10 cm; b) the container is delivered to a ...

? During unloading, the forklift should be selected reasonably according to the size and weight of the goods. If the fork length is less than  $3/4$  of the size of the goods, extension sleeves should ...

The rotating support allows loading and unloading of the plates loaded on the left or right side of the



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container. Moreover, it is possible to pick up and store the boxes in the warehouse. Finally, ...

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Conclusion: The process of unloading containers from a vessel is a complex dance involving multiple parties and meticulous coordination. Understanding each step is essential for importers to navigate this journey ...

For loose loaded containers, it is essential that you can get up into the container to start unloading (also referred to as "hand balling") the cartons from the container. Pallets - prior to the delivery of the container, you need to ...



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Contact us for free full report

Web: <https://inmab.eu/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

