



# Paineng home solar container device instructions

<div class="df\_qntext">What is a solarcontainer?

The Solarcontainer is a photovoltaic power plant that was specially developed as a mobile power generator with collapsible PV modules as a mobile solar system, a grid-independent solution represents. Solar panels lay flat on the ground. This position ensures maximum energy harvest Panels lays flat on the ground.

<div class="df\_qntext">What is the AE solar installation and operation manual?

1.1. Overview This installation and operation manual (hereafter also referred to as the "Manual") provides important safety information regarding the installation, handling, mounting, wiring, and maintenance of AE Solar photovoltaic modules. Please ensure that this Manual is available to the operator at all times.

<div class="df\_qntext">How many installers does a solarcontainer need?

At least 3-4 installers and 1 crane operator are needed to put the Solarcontainer into operation within one day. How many households can one Solarcontainer supply with electricity?

<div class="df\_qntext">How do I Mount AE solar solar panels?

AE Solar recommends using clamps with an EPDM or similar insulating washer, and at least M6 fixing bolts. Top or bottom clamping methods will vary and are dependent on the mounting structures. Always follow the mounting guidelines recommended by the mounting system supplier.

<div class="df\_qntext">How do you secure a solar module?

Each module must be securely fastened at a minimum of 4 points on two opposite sides. Secure the module in each fixing location with an M8 bolt and a flat washer, spring washer, and a nut as shown in the figure and tighten to a torque of 16-20 Nm. The yield strength of bolt and nut should not be less than 450 MPa.

<div class="df\_qntext">Can AE solar modules be mounted in landscape or portrait orientation?

AE Solar modules can be mounted in landscape or portrait orientation. Regardless of the fixing method, make sure the minimum distance between two modules is at least 10mm to allow for thermal expansion of the frames. The loads described in this manual correspond to test loads.

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