

Height of solar inverter hanging on the external wall





Overview

How to mount a solar inverter on a roof?

For roof mounting, the clearance from the inverter to the bottom side of the PV module must be at least 30 mm (1.2 in). This will prevent the grounding bolt from damaging the PV module. Permitted Mounting Position: During mounting, make sure that the connection area of the inverter remains dry.

Should a solar inverter be ground mounted?

With ground mounting, you can place your solar inverter at a lower height, which can be beneficial for easily reaching and maintaining the unit. This option allows for enhanced ventilation, as ground-mounted inverters may experience cooler temperatures compared to those mounted on a roof or wall.

Where should a solar inverter be mounted?

The mounting location must be suitable for the weight and dimensions of the inverter (> Technical Data). The inverter must be mounted on the roof on the framework underneath the PV modules or on a solid support surface (e.g. concrete, brickwork). In living areas, ensure that the support surface is not drywall or similar.

Can a PV inverter be installed on the back side?

For installations that are integrated into the building, do not install the inverter directly on the back side of the PV module. This will prevent the inverter power from being reduced due to excessive ambient temperature.



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Mounting location & clearances

There must also be a clearance of at least 30 cm (Inverter vision one) or 50 cm (Inverter vision three) above the housing. The ambient temperature must be within the range of -25°C to ...

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Step 2: Mount the Solar Inverter

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Requirements for Mounting the Inverter

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