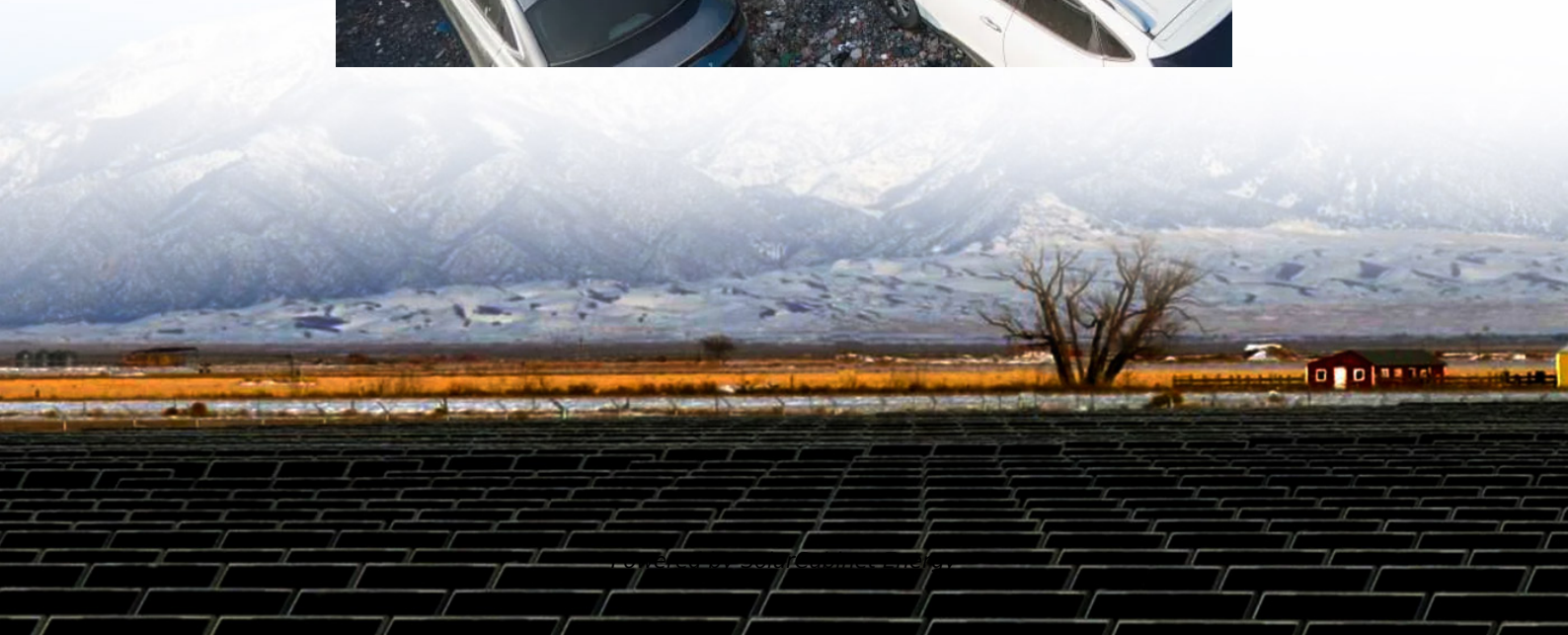


Place a tension rack under the battery cabinet





Overview

How to protect a battery rack from overcurrents?

Every battery rack requires adequate galvanically switching and protection against overcurrents caused by battery modules. Unlike in PV strings, the overcurrents caused by batteries can be very high according to the battery technology.

What is a battery rack?

A Battery Rack is a cabinet where more battery modules are installed in series to reach the system rated voltage. In addition to the batteries, switching and protective devices are installed along with auxiliary and/or communication circuits. Why do you need Switching and Protection (S&P) solutions?

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How do I install a rack?

Install the cabinet in the rack before installing power and battery modules and before making connections to the intended power source. Measure the distance from the front to back of the mounting posts in your rack. Position the front and rear rails for the depth of your rack.

Which battery cabinets are available for rackmounting?

Nine- and 12-slot battery cabinets are also available for rackmounting. These models can be installed in an EIA-standard 48.3 cm (19") equipment rack and include a rackmounting kit with the brackets and required hardware. The 9- and 12-slot cabinets are heavy [9-slot: 72 kg (158 lb); 12-slot: 89 kg (196 lb)].

What is a Li-on rack cabinet?

A typical Li-on rack cabinet configuration comprises several battery modules with a dedicated battery energy management system. The most commonly



used batteries in energy storage installations are Lithium-ion batteries; the main topologies are NMC (Nickel Manganese Cobalt) and LFP (Lithium Iron Phosphate).

How do you install a rackmount ear?

Install two rackmount ears (three for 12-slot cabinets) on each side of the cabinet (see Figure 3). Insert the two offset tabs on the rear edge of the ear into the matching tab slots on the cabinet side frame (see Figure 2). Pivot the ear forward until it is flush against the cabinet side frame.



Place a tension rack under the battery cabinet

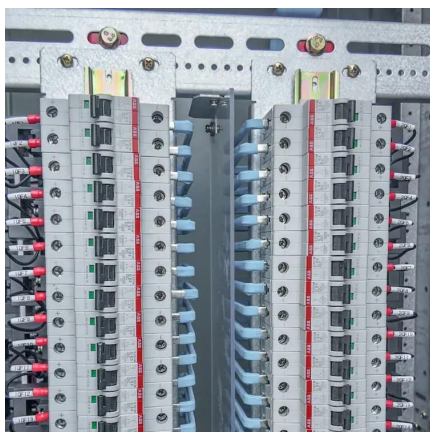


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There may be multiple ways to configure the cabinet, so consider all possible options. For instance, if a battery, rack and charger are required the system can be designed using a 2 ...

[-48 VDC Battery Cabinet Installation and User Manual...](#)

Procedure Refer to Figure 3 and install the 19" or 23" relay rack mounting angles to the battery cabinet. Mounting hardware is provided with the battery cabinet. Use a provided grounding ...



[battery cabinet,battery storage cabinet,battery bank rack](#)

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Procedure Refer to Figure 3 and install the 19" or 23" relay rack mounting angles to the battery cabinet. Mounting hardware is provided with the battery cabinet. Torque these connections to ...



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