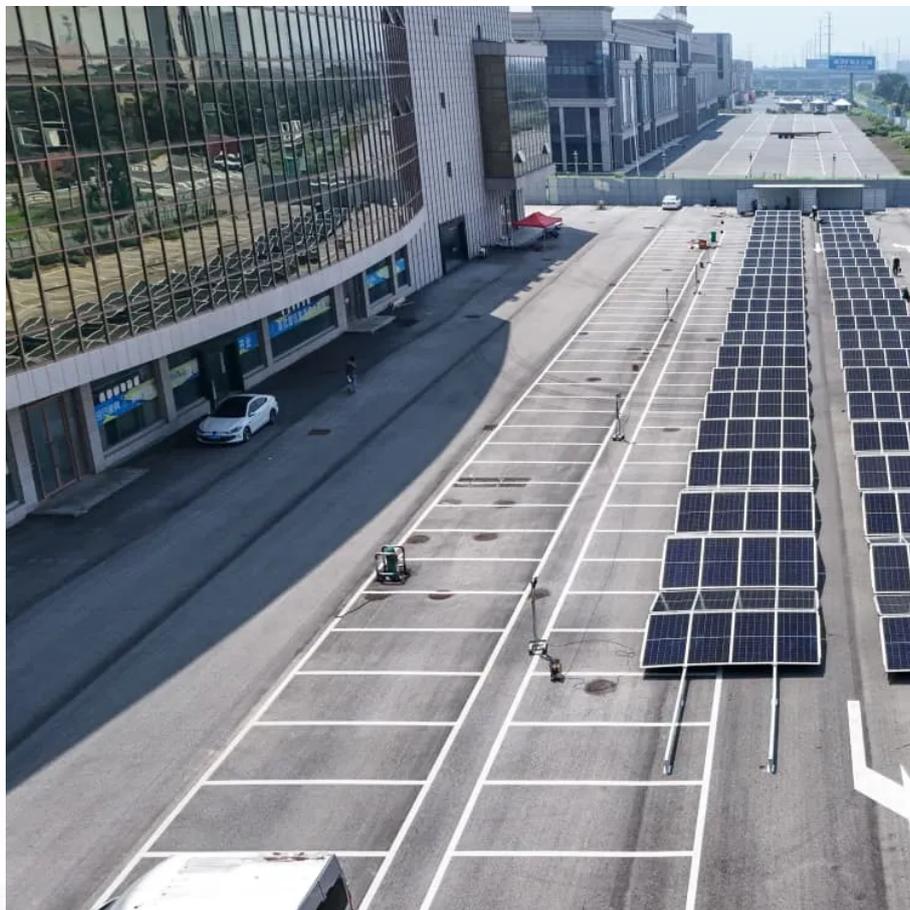


Solar container lithium battery pack single cell overvoltage





Overview

Does Overkill solar BMS work with a 120ah battery?

I built a 120Ah battery using the Overkill Solar BMS (also sold in many flavors from Alibaba) and installed in my camper van. Once the battery is at 100% and the van still running (alternator charging) the "cell over voltage" protection from the BMS frequently kicks in and stops charging. The over voltage protection is set to 3.65 per cell.

What is a lithium ion battery-pack?

The diagram below shows a diagram of a lithium ion battery-pack. The battery-pack includes the batteries, the safety circuits, and thermistors.

What is the over-voltage protection principle of a battery protection board?

Its over-voltage protection principle is as follows: 1. Battery cell voltage monitoring: The battery protection board will monitor the voltage of each cell in the battery pack. These voltage values will be compared with the threshold value inside the battery protection board. 2.

What happens if the battery protection board exceeds the preset safety limit?

Comparison and triggering protection: If the voltage of the battery cells exceeds the preset safety limit, the battery protection board will trigger the protection mechanism. 3. Disconnect cells: In order to prevent overvoltage propagation to other cells, the battery protection board will disconnect the affected cells.



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