

# **Battery overcurrent and overvoltage in solar container communication stations**





## Overview

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Why is undervoltage protection important for lithium ion batteries?

To safely operate such a battery, the discharge current rate and battery voltage level must be monitored. Undervoltage protection is crucial when using lithium-ion batteries because if the battery is discharged below its rated value, the battery will become damaged and potentially pose a safety hazard.

Why is battery overcurrent protection important?

However, the widespread use of batteries has also brought about current problems, where the presence of overcurrents can lead to catastrophic accidents such as equipment failures, fires, and even explosions. Therefore, overcurrent protection has become a key element in ensuring the safety of battery applications.

What is overcurrent protection?

Overcurrent protection refers to the lithium battery in the power supply to the load, the current will change with the change of voltage and power, when the current is very high, it is easy to burn the protection board, battery, or equipment.

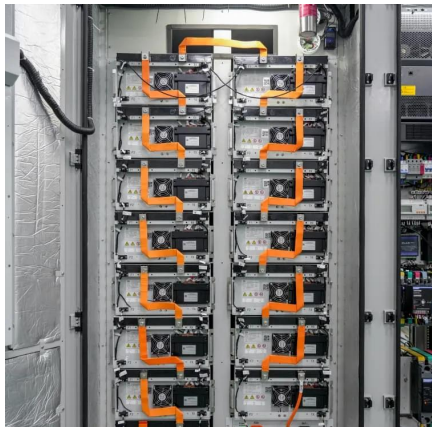
What happens if a BMS overcurrents a battery?

Current disconnect: One of the most common responses to an overcurrent is to disconnect the battery charging or discharging circuits. The BMS can quickly stop the flow of current by disconnecting the associated relay or transistor. b.



## Battery overcurrent and overvoltage in solar container communication

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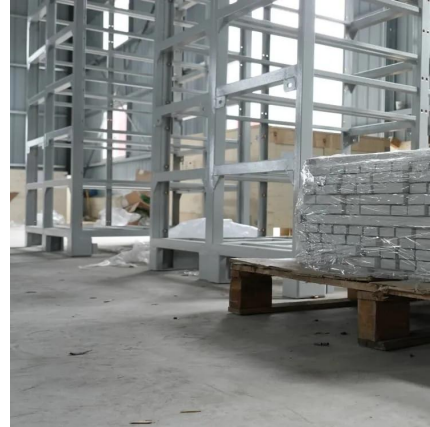
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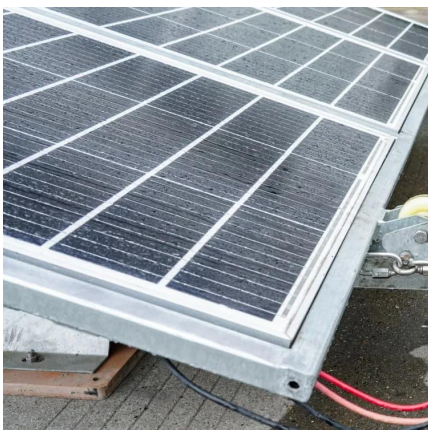


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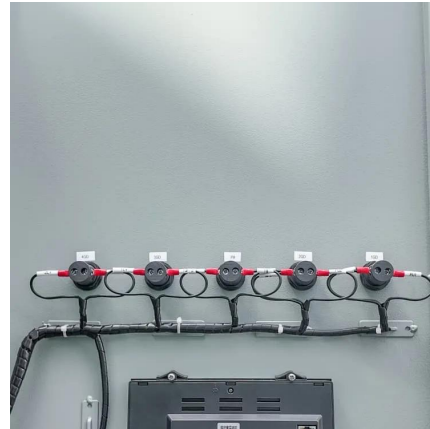
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