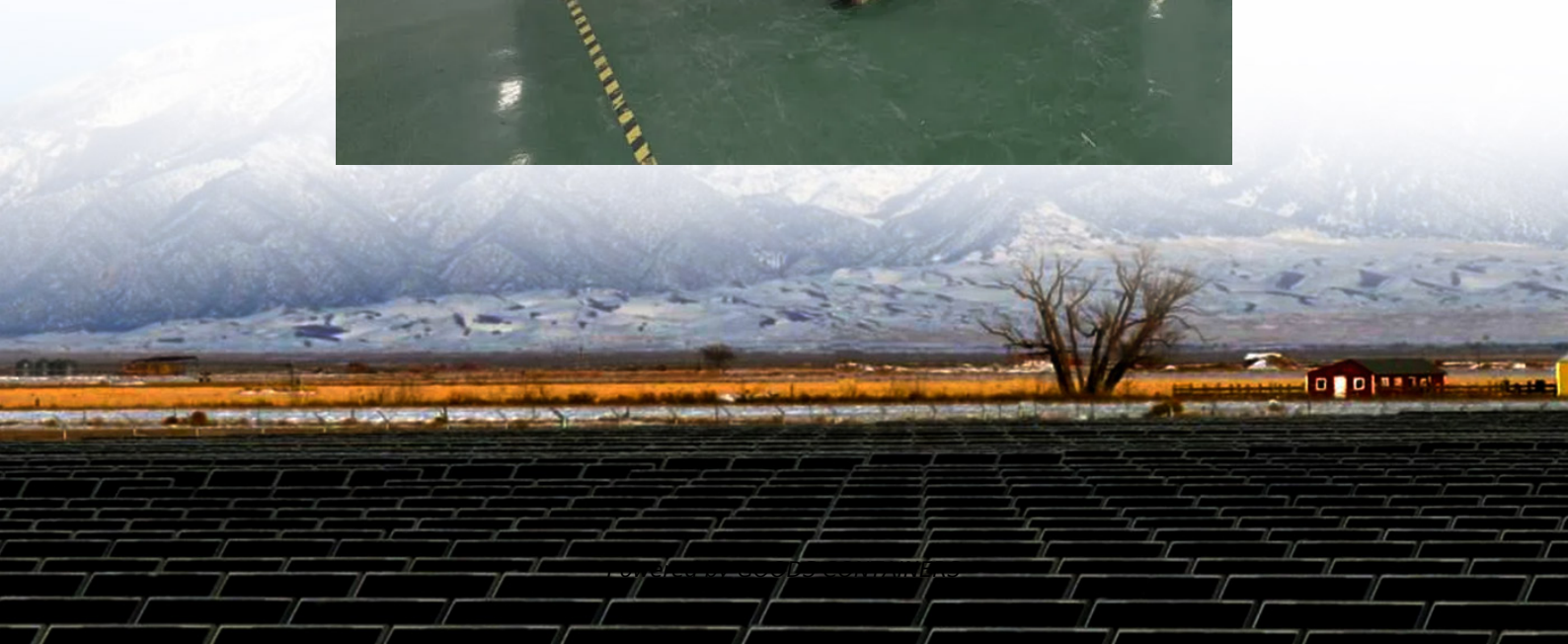


# The main function of the battery management system BMS





## Overview

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What is battery management system (BMS)?

Battery Management System (BMS) is the “intelligent manager” of modern battery packs, widely used in fields such as electric vehicles, energy storage stations, and consumer electronics.

How do battery management systems work?

Battery management system (BMS) is technology dedicated to the oversight of a battery pack, which is an assembly of battery cells, electrically organized in a row x column matrix configuration to enable delivery of targeted range of voltage and current for a duration of time against expected load scenarios.

How do battery management systems protect batteries from dangerous conditions?

Battery management systems are the critical intelligence behind modern battery technologies, especially when you have lithium-ion chemistries that just need constant monitoring for safety. In this piece, we got into how BMS technology protects batteries from dangerous conditions while optimizing their performance and extending their lifespan.

Why is a battery pack monitored by a BMS?

Each cell or group of cells in the battery pack is continuously monitored by the BMS to make sure they are operating within the specified parameters. Monitoring is crucial for real-time management as well as for gathering information that may be used to forecast the battery pack's future performance and health.



## The main function of the battery management system BMS

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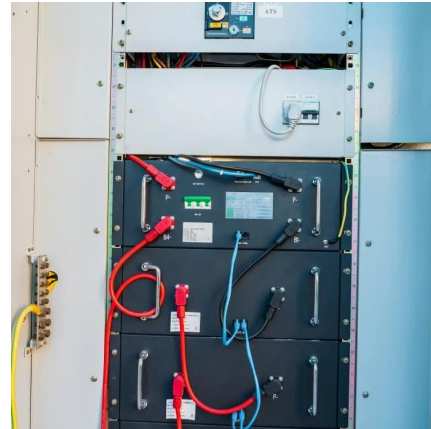
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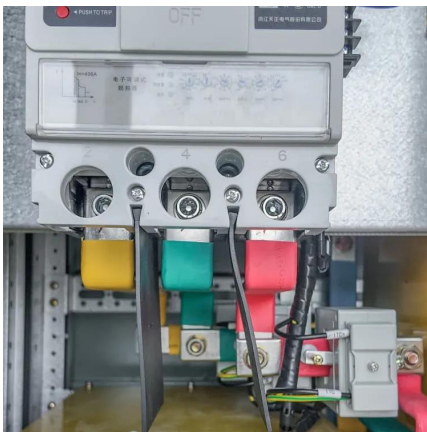
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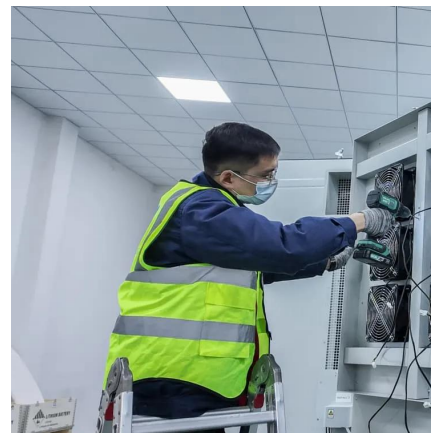
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