

# **BMS battery and management system**





## 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.

What is a BMS used for?

A Battery Management System (BMS) is widely used in various applications such as electric vehicles (EVs), energy storage systems (ESS), uninterruptible power supplies (UPS), and industrial battery applications.

What is a battery balancing system (BMS)?

Cell balancing: Over time, the cells in a battery pack can become unbalanced, with some cells having higher or lower charge levels than others. A BMS can balance the cells by ensuring each cell is charged and discharged evenly, which helps maximize the battery run time.

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.



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## [Battery Management System](#)

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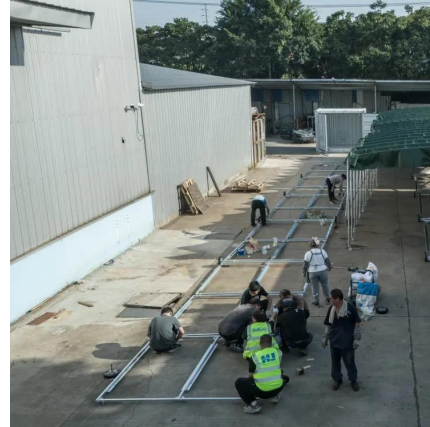
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