

# **Extremely controlled BMS battery management system**





## Overview

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What is battery management system (BMS)?

Battery packs are a key component in EVs. Modern lithium-ion battery cells are characterized by low self-discharge current, high power density, and durability. At the same time, the battery management system (BMS) plays a pivotal role in ensuring high efficiency and durability of battery cells and packs.

What is a battery management system?

The battery management system includes a battery control unit and multiple cell supervision circuits. The electronic disconnect unit serves as an all-in-one solution that integrates a battery disconnect unit, a battery management system, and optionally the cell monitoring units. based on volume production possible due to global production network.

What is a battery management system & electronical battery disconnect unit?

The battery management system and electronical battery disconnect unit consist of several components designed to monitor, manage, control, and disconnect the battery cells of a battery-electric or plug-in hybrid vehicle. The battery management system includes a battery control unit and multiple cell supervision circuits.

What are the regulatory modes of a battery management system (BMS)?

The control technique being presented operates in two distinct regulatory modes, namely maximum power point tracking (MPPT) mode and battery management system (BMS) mode.



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