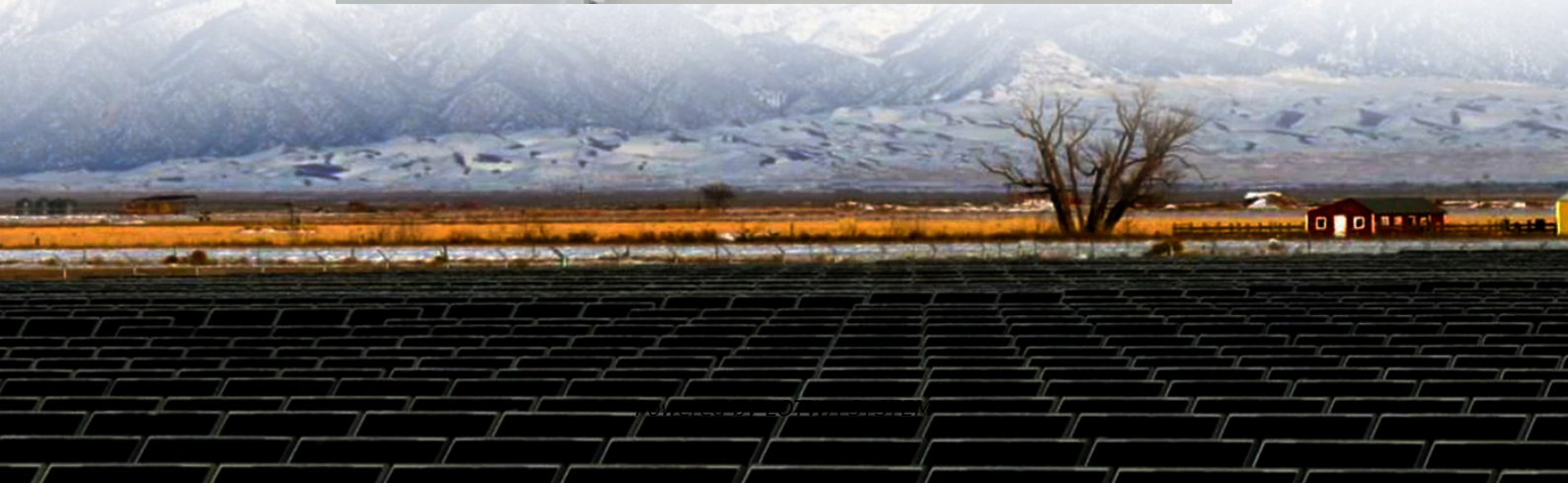


# **Is the battery management system BMS provided by the battery manufacturer**





## Overview

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What is a battery management system (BMS)?

The system is incorporated in an EV powered with a large-capacity lithium ion battery, and plays an important role in extending the service life of the battery and ensuring safe use of the battery. This article will discuss the functions and system configuration of the BMS, and will introduce electronic components making up the BMS as well. 1-1.

Why do EV batteries need a BMS?

A battery (lithium ion battery) used in an EV deteriorates every time the battery discharges or is charged. These cycles of battery deterioration may lead to a drop in the vehicle performance. The BMS is an important solution to this problem.

How does a battery management system work?

The BMS constantly monitors the temperature of the battery through a temperature sensor. Using the battery within a proper temperature range ensures the safety of the battery and longer service life. Control□The BMS eliminates variations in performance of individual battery cells to allow them to work uniformly.

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.



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