



# Infineon 12v 24v battery monitor

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Infineon's 12 V to 24 V BMS accurately monitors, protects, and optimizes battery performance. This automotive battery management system features low-power standby modes for diagnostics, monitoring SOC, SOE, SOH, SOP, SOS, temperature, cell voltages, and currents (including quiescent currents) of cells and the vehicle.

Click the block diagram to check Infineon's highly integrated and space-saving offers, including supply IC, microcontroller, monitoring IC, balancing IC, pressure sensor, gate driver, power MOSFET, and transceivers.

Ensure 12V and 24V battery availability and diagnosis at all time with ultra-low standby power consumption

Low-voltage 12V and 24V batteries are important for ensuring the power availability of the low-voltage bus in passenger and commercial vehicles. The key function of the low-voltage availability battery is to:

The low voltage BMS is especially important for xEVs, due to the main characteristics below:

> Solutions for Battery Disconnection

> Solutions for Battery Event Logging

> Solutions for Battery Controlling

> Solutions for Battery Pack Monitoring

> Solutions for Current Sensing & Pack Monitoring

> Solutions for Cell Monitoring & Balancing

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