



12v bms battery management system

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Enabling technology for increased electrification and autonomy

Ensuring the vehicle's functional safety and ever increasing automated driving features, 12V BMS provides reliable power deliverability at all times.

Accurately tracks battery degradation and predicts necessary battery replacement to maintain uncompromised vehicle functionality.

Operating constantly to supply quiescent current means the HW is developed with best-in-class components for reliability and ultra low power consumption.

Delivering 200A continuously at 65°C ambient thanks to high performing MOSFET technology, which also supports crank pulses and short circuit currents of over 1400A for 1s.

Allows to diagnose circuit breaker operation and faults without interrupting supply of quiescent power to the vehicle Powernet.

Diagnosing and robustly withstanding short circuit faults.

Protecting the battery from safety hazards even when the microcontroller is asleep.

Allows for accurate current measurement across a wide range of current and temperature. This includes accurate quiescent current monitoring during sleep mode.

Design optimised for minimal self-current consumption when the vehicle is parked, meeting strict targets for applications without wake-up to charge feature.

Powerful 2 core microcontroller provides required performance, safety and connectivity features.

Contact us for free full report

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