

Battery Management Unit

Customized Safety and Supervision Solutions

Our Battery Management System (BMS) is a scalable and production-ready solution for the safe, efficient, and reliable operation of high-voltage battery systems in electric vehicles and industrial applications. The system combines intelligent battery control, comprehensive cell supervision, advanced thermal management, and robust protection functions in a single integrated platform. Designed to support battery voltages up to 1000 V, the BMS continuously monitors critical parameters such as voltage, current, and temperature while optimizing battery performance, service life, and operational safety. Flexible communication interfaces, precise balancing functions, and automotive-grade functional safety according to ISO 26262 enable seamless integration into demanding e-mobility and energy storage applications. From engineering and validation to series production, we develop customized BMS solutions tailored to customer-specific requirements and future mobility demands.

Cooling	Liquid
HV Voltages	470 V Max 600 V
Current	350 A (Peak 1.680A)
Power	752 kW
Efficiency	up to 95%
Weight	6,2 kg
Disconnection Current	20kA
Temperatures	-40°C to 60°C
FuSa	ISO 26262 ASIL C

