

## Battery management systems luxembourg city

In the medical industry, safety, performance and reliability are crucial for mobile devices. BMS from Eberspacher Vecture ensure the safe operation of the batteries, protecting against overheating and other safety issues. BMS have been developed for reliable use in a number of Class I, II and III products including ventilators, defibrillators and imaging machines.

For industrial products including robotics and material handling, battery systems have to withstand harsh conditions and provide long hours of operation. In addition, the need for connectivity and monitoring of various parameters, such as energy throughput is increasing. Eberspacher Vecture offers BMS with robust designs, real-time monitoring and diagnostics while field configurability provides customers with more flexibility and control over the battery's performance.

As the demand for high power density Lithium-ion batteries increases in the energy sector, safety and reliability are mission critical. BMS from Eberspacher Vecture are designed to be reliable, flexible and configurable with various modules and stack designs. Real-time monitoring and secondary protection features are designed to help prevent fires.

The electrification of off-road vehicles, including construction and agricultural vehicles is increasing rapidly. Battery systems must be durable and designed to optimize performance and driving range. In addition to their robust design, BMS from Eberspacher Vecture feature monitoring and diagnostic functions, that provide valuable data including State of Charge and State of Health. This enables customers to make informed decisions to help optimize battery life and performance.

With its own research and development, design, proven supply chain management, manufacturing, testing, and applications support, Eberspacher Vecture provides complete Electronic Manufacturing Services for safe and reliable Battery Management Systems.

The best solution starts with the customer's requirements: In addition to off-the-shelf and build-to-print products, Eberspacher Vecture develops complex, tailor-made solutions. Extensive cooperation with our suppliers ensures the use of state-of-the-art components and technologies. 100 percent functional testing ensures that all products are safe and reliable and delivered to customer's specifications.

Eberspacher Vecture is certified to ISO 13485 and ISO 9001, and certified to the Canadian Controlled Goods Program (CGP) for compliance with US International Traffic in Arms Regulations (ITAR). The company designs and manufactures electronic assemblies compliant to IPC-A610 Class 2 and Class 3.



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