

EV Battery Management System

Team 1



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Battery Management System

Product Description



- The system is useful for electric vehicle battery management.
- The system shall monitor the charging, balancing and discharge of the battery (LiFePo4 cells) to a 48 volt DC brushless motor.
- The system has automatic shut-off protection in place during dangerous conditions.

Battery Management System

Key Requirements



- KEY FEATURES & OPERATING MODES
 - Cell Overcharge Protection
 - Cell Over Discharge Protection
 - Over Voltage Protection
 - Thermal/Overheating Protection
 - Display will show time left at current use of power, battery state of charge, and all warnings related to system protection.

Battery Management System Block Diagram

