

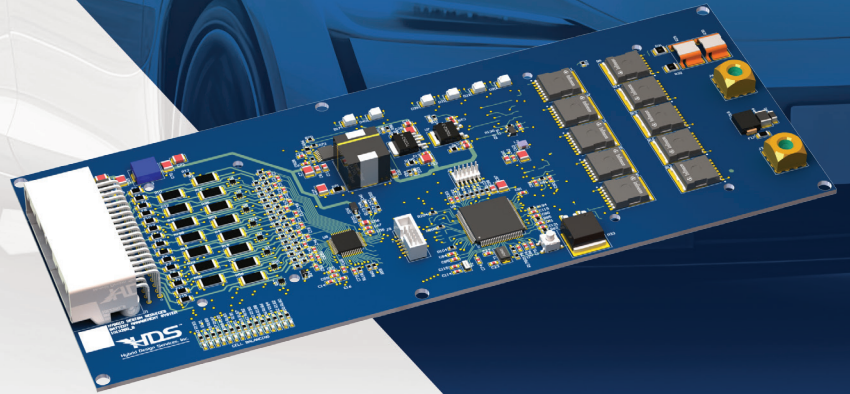


Battery Management Systems

Power without limits.

The HDS BMS-15-150A Battery management system (BMS) is a high-current system designed for 48 V applications.

The 48 V Battery Management System is a single board solution incorporating data processing (e.g. SOC/SOH calculations), external CAN communication, Cell Voltage/Temperature monitoring, protection and Cell balancing.



Tailored BMS for Reliable Power in Any Application.



Rugged Construction Meeting Military Shock and Vibration Standards

Built tough, our battery pack meets military shock and vibration standards, ensuring unmatched durability and reliability in extreme conditions.



Customizable for Additional Sensors or Functionality

Tailored solutions to fit specific mission and commercial requirements, offering flexibility in design and functionality.



Parallellable for High Energy/ Power Output

Scalable configurations allow multiple batteries to work together, delivering enhanced energy and power capacities.



Enhanced Safety

Protects against overcharging, overheating, and short circuits, ensuring safe battery operation.



Advanced Engineering & Manufacturing



Engineered & Assembled
In The USA Since 2004.

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OUR WEBSITE

www.hds.us



Dependable Power, Every Time

Tailored BMS for Reliable Power in Any Application.

Our Battery Management Systems (BMS) is designed to deliver unmatched precision, safety, and scalability for a wide range of applications. Whether you're managing a small battery array or a complex, large-scale energy storage solution, our modular BMS adapts seamlessly to your needs. With advanced monitoring capabilities, it ensures that every cell in your lithium-ion battery pack operates within safe parameters, maximizing both performance and lifespan. Trust in a system engineered by experts to provide reliable, high-performance power management tailored to your unique requirements. Discover our quick, cost effective and minimum-development solution for monitoring and managing prototype and HV Battery Packs.



Specifications

Engineered & Assembled
In The USA Since 2004.



PERFORMANCE

- Monitors Up To 16 Cells In Series
- Supports Up To 6 Temperature Channels
- 12 - 48 V Battery Compatible
- 75A Continuous Discharge
- 150A (7200W) Peak Discharge ~60s
- Passive Cell Balancing Up to 600mA
- Integrated Solid State Power Switches
- Seamless Integration with HDS Smart Dual Contactor (SDC)

SAFETY

- MIL STD 202G 213B Mechanical Shock
- MIL STD 810H 514.8 Random Vibration
- UL Standards (EMC, Fire Safety)
- Onboard Pre-Charge
- Current Sampling Rate of 1.5 mS
- Fused

OPTIONS

- Contactor Control
- SSPC Interface
- CVT Interface
- Micro SD Storage
- Bluetooth connectivity
- CAT 6 (Ethernet) connectivity
- Contact HDS for High Voltage Versions

ENVIRONMENTAL

- -40°C to +105°C Operation
- Conformal Coated

OTHER

- Dimensions : (L) 8.5" [216 mm]
(W) 3.4" [86 mm]
(H) 0.6" [16 mm]

APPLICATIONS

- Electric, Light Electric & Mild Hybrid Electric Vehicles (MHEV)
- Electric Marine

Headquarters: Troy, MI | Manufacturing: Madison Heights, MI

For more Information: Contact sales@hds.us
or Call +1.248.298.3400



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