

ENERDEL VOLVO TECHNICAL SEMINAR

Pack to Vehicle:

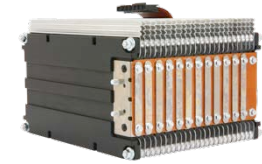
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MODULAR BATTERY ARCHITECTURE

Off-the-shelf, state-of-the art solutions

- Minimizes development lead time
- Minimizes cost
- Improves serviceability
- Enhances control of thermal performance

Beyond automotive grade with high quality tolerances



BATTERY MANAGEMENT EXPERTISE

Micro-processor based battery monitoring and control systems

Critical to monitor and control the charge on each individual cell

- Safety and efficient pack operation
- BMS must maintain voltages on cells equally for optimum pack capacity
- Balancing the pack throughout charge and discharge cycles
- Optimized life expectancy



BATTERY MANAGEMENT SYSTEMS

Optimize capacity and actively prolong cell life

React in milliseconds, ensuring safety and maintaining integrity

Interface with off-board diagnostic units

Monitor and report state of health and charge

Control safe and efficient pack re-charging

Control of cooling systems for safe operating temperature



APPLICATION

Vehicles

- Hybrid Electric
- Plug-in Hybrid Electric
- Electric Vehicles



Government Applications

Energy Solutions

Energy Storage

