THERMOMETRICS
A COMMITMENT TO EXCELLENCE

Product Spotlight

Cell Connection System (CCS)

Also referred to as a battery cover, the Cell Connection System (CCS) is used in electric vehicles (EV) and hybrid electric vehicles (HEV). Used as the top cover to the battery pack, it provides temperature sensing and voltage sensing of the battery cells, as well as high voltage connectivity, via the busbars, across the battery pack/cells. Its sensing capabilities allow the OEM to connect the sensor output to the battery management system (BMS), which supports monitoring/controlling the state of charge for the battery pack/cells.

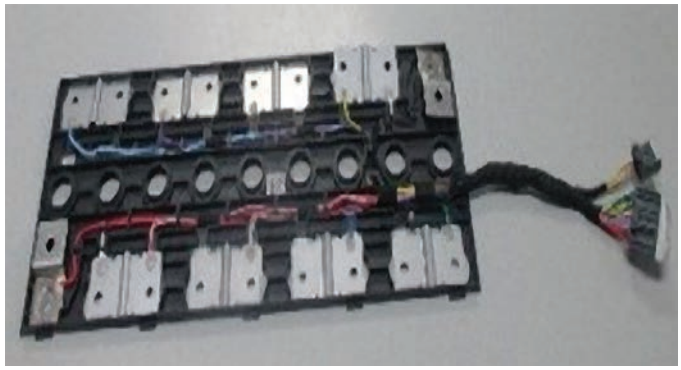
Features

CCS – Wire Harness Style

- NTC thermistors attached to the busbar to detect temperature
- Wire routing within CCS and bundled at exit to customer-defined connector

CCS – Flexible Printed Circuit (FPC) Style

- Surface mount NTC thermistors attached to flexible printed circuit
- Reduced space requirements



CCS - Wire Harness Style

Applications

- EV/HEV Passenger Cars and Buses
- Power Backups and Storage
- Military
- Power Tool Battery Backpacks

CCS - Flexible Printed Circuit Style

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