

- AMS design
 - CellMan
 - Monitors individual cell voltages and temperatures
 - Provides active balancing during charging
 - SegMan
 - Gathers information from CellMen to calculate segment state of charge (SOC) and state of health (SOH)
 - Controls the charging process - closes/opens charging relays, monitors charging current, enable/disable cell active balancing
 - Communicates segment status to PacMan
 - PacMan
 - Provides a display and user interface to configure each pack
 - Operates the AMS safety loop relay based on pack status
 - Communicates over the CANBus with other systems (SCADA, driver display?)
- High voltage current path
- Pack design
 - Cell positioning
 - Bus bar design
 - CellMen mounting scheme
 - Cell frame enclosure
 - Internal component placement
 - AIRS
 - Fuse
 - SMD
 - Current sensor
 - Board mountings and locations
 - Display interface
 - External connectors
 - Internal wire routing
- AMS boards currently complete
 - CellMan
 - SegMan