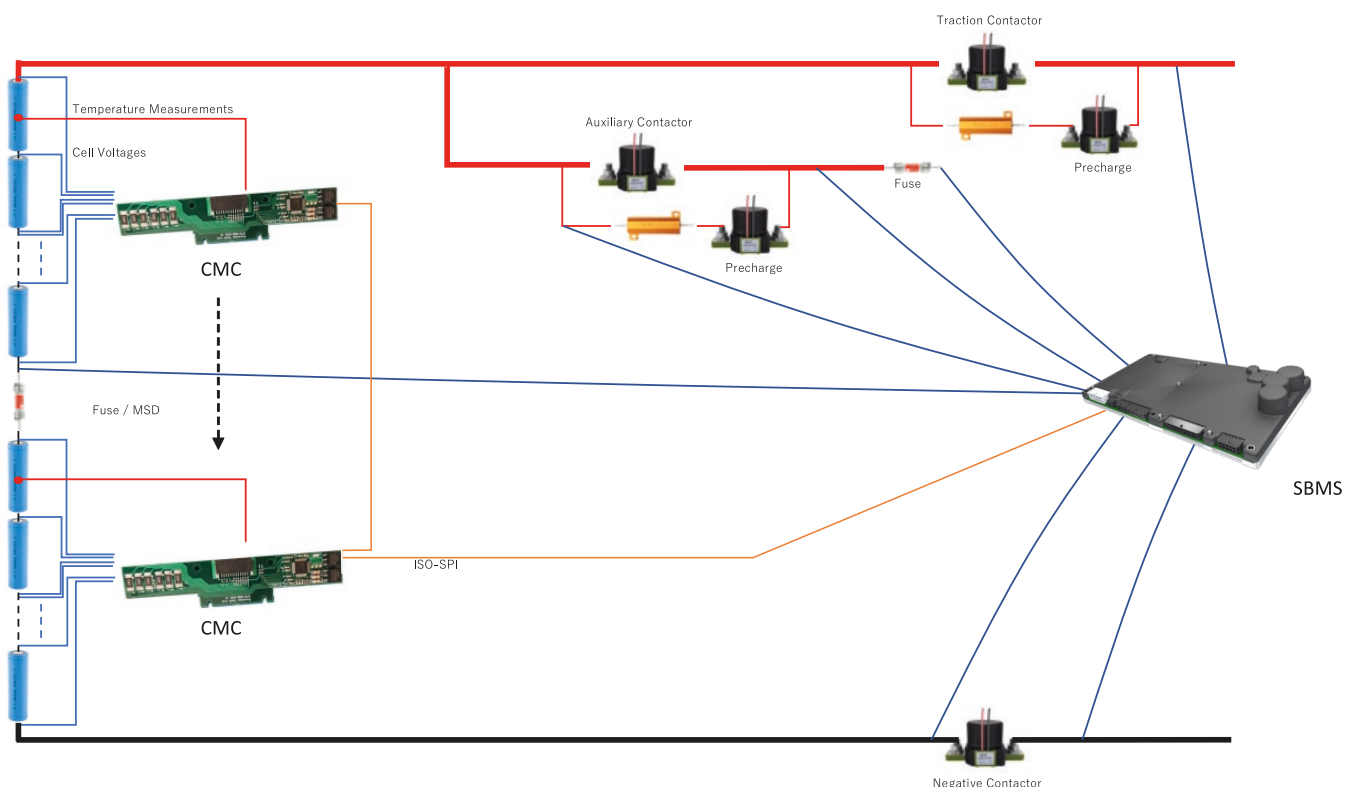


# BATTERY MANAGEMENT SYSTEM - BMS

## PRODUCT SPECIFICATION

### SYSTEM

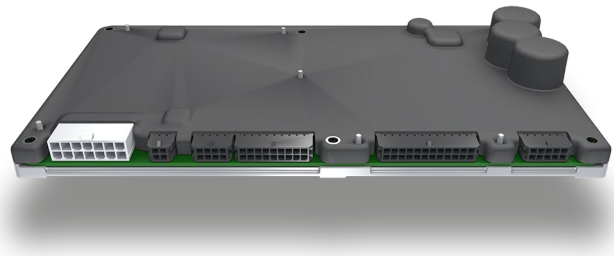
The Battery Management System – BMS is made up from CMCs and an SBMS unit. The state-of-art solution highly flexible, offers battery optimization, so improved battery capacity and life, and dramatically reduces development time and cost whilst allowing custom software without compromising the ASIL integrity.



## BMS COMPONENTS

### SUBPACK BATTERY MANAGEMENT SYSTEM (SBMS)

Control unit build on single processor architecture with lockstep to achieve ASIL C level of integrity.



### CELL MONITOR CIRCUIT (CMC)



Unit connected to cells, typically distributed around the battery to minimise length of sense wiring.

#### SPECIFICATIONS:

HV Voltage range	8V -> 1.000V
Operating Temperature	-40°C -> +85°C
Low voltage range	6V to 32V
System ASIL	ASIL C <sup>1</sup>
Software: multi-pack support	YES

<sup>1</sup>: requires BMS implementation in accordance with safety manual