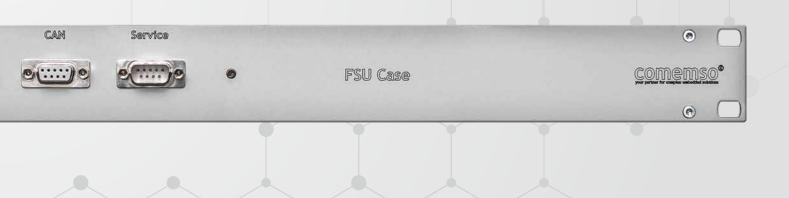


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# FAILURE SIMULATION UNIT (FSU)

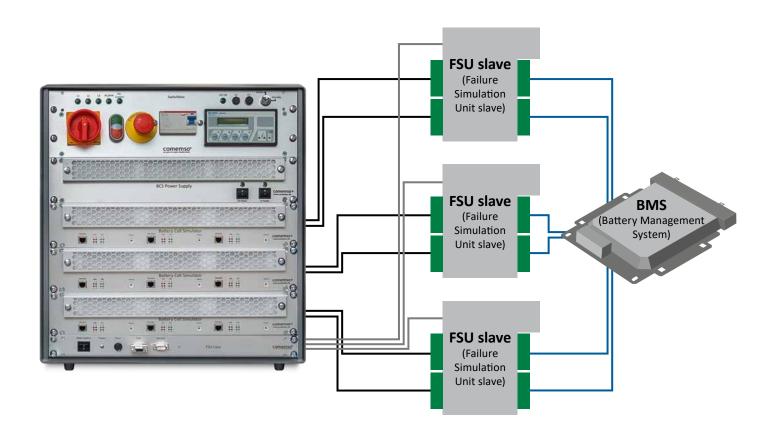






# FOR SIMULATION OF WIRING FAILURES.

To complete the failure simulation of the Battery Cell Simulator, an additional FSU is used to simulate the breaking of measurement wires between BMS and the cells.



#### Technical data

Communication:	CAN-Bus 500kBd / 1MBd
Temperature range:	Lab conditions
Connector:	115V / 230V

Cascading of 12 emulated cells to a stack (per slave)

Up to 10 slaves per master (via ethernet cable)

Cable break of measurement line

Different settings for each measurement line

### Close-up view.

#### **FSU** master front



#### **FSU** master rear

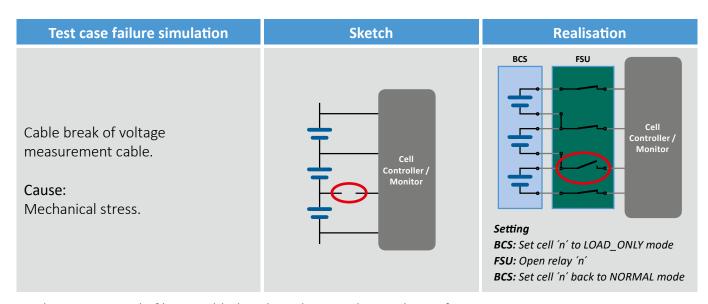


#### FSU slave for 12 cells

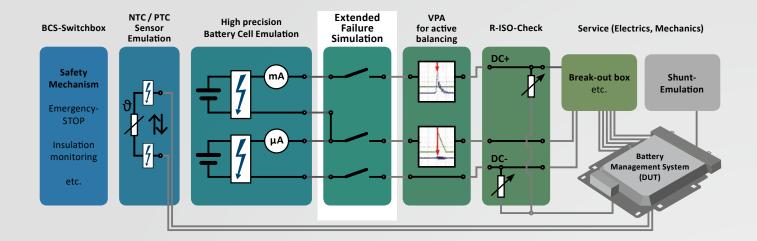


Up to 10 units for 120 cells possible.

The comemso Failure Simulation Unit (FSU) is used to extend the failure simulation of the Battery Cell Simulation (BCS). The following test cases of the Battery Management System are possible:



Furthermore a ripple filter is added to the voltage and sense lines of BCS.



## Extended fault insertion for your Battery Cell Simulator.



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