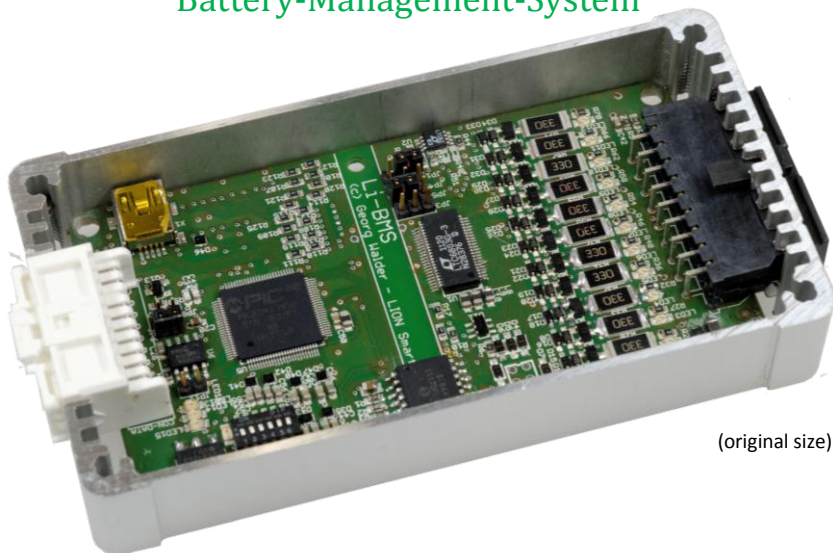


Li-BMS

Modular, open-source,
Battery-Management-System



(original size)

- Stand-alone architecture
- 1 mV precision in cell-voltage-measurement
- 12 cells for each BMS-module
- >2,5 kV-isolated cell-measurement-sector
- 32-bit processor for SOC-calculation
- 2x CAN-interfaces
- 10/100 Ethernet interface
- USB-Data-logging
- Different kinds of topologies:
 - central: for small stacks (12 cells)
 - modular: for medium stacks (12-48 cells)
 - Master-Slave: for large stacks (48++ cells)



- Open-Source- Software
- Good cost-effectiveness
- Module size
 - only LxBxH (mm) = 90x50x10
- Supply: 5V max. 100 mA
- BMS-Master-function ability with an add-on masterboard
- High performance passive cell-balancing with 300mA balancing-current

- Sophisticated Secure-concept
- Redundant cell-voltage-measurement
- Redundant communication structure
- Pilot-line trigger unit
- isolated I²C Temperature-BUS
- evaluation of two analogue temperature sensors

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