

SLAVE 6

Battery Management Solutions

Within the modular BMS the microprocessor controlled **Slave 6** takes over monitoring and control of up to 12 battery cells.

The **Slave 6** is compatible to all Li-Ion-cell-chemistries. Its conception offers the flexibility to realize as well compact applications as large batteries with multiple, exchangeable, battery modules. As the cells data history is stored in the **Slave 6**s built in memory one Master unit is enough even for multi-module-batteries.

Slave 6 - 20 years of BMS-experience pay off: **mobile and stationary**.



HIGHLIGHTS

- **Highest Battery Safety:** by double monitoring of cell voltages and temperatures („Second Level Protection“; independent software and hardware safety functions).
- **High Measuring Accuracy:** e.g. cell voltage +/- 1.2mV
- **Optimal „Handling“ of Cells:** all relevant parameters and limit values are adjustable and are perfectly adapted for each cell type.
- **Flexibility:** due to the isoSPI bus an almost unlimited number of Slave 6 may be integrated.

SLAVE 6

Working smarter
to improve safety
and efficiency

Slave 6 A module

TECHNICAL SPECIFICATIONS

Slave 6 A module: cell alignment / - monitoring, control, balancing

Dimensions	appr. 80.5 x 97 x 17mm
Weight	appr. 146g
Operating temperature	-40°C ... + 85°C
Operating voltage	10 ... 60V (from all connected cells)
Power consumption	active (typ.): 4.36mA / inactive: 0.09mA
Connected cells	6 ... 12
Temperature sensors	3
Measuring range cell voltage:	0.5 ... 4.5V (12bit)
Measuring range temperature	-40°C ... +100°C (with 10k@25°C NTC)
Communication to Slave 6 A- & B modules	via isoSPI-Bus
Cell balancing	passive (prepared for active balancing)

Slave 6 B module

Slave 6 B module („Batch“) Data pooling & communication to BMS Master
Once per battery or battery module (depending on battery concept).

Dimensions	appr. 80.5 x 97 x 17mm
Weight	appr. 124g
Operating temperature	-40°C ... + 85°C
Operating voltage	8 ... 16V (typ. 12V, supplied by Master)
Communication to Slave 6 A modules	via isoSPI bus
Communication to Master	via CAN bus
Outputs (e.g. for relay control)	2 (3A each)



Slave 6 A module



Slave 6 B module