

s-BMS release notes



New in this release:

- ✓ Password protection with backdoor possibility
- ✓ AUX temperature sensor input with extra filtering
- ✓ Bugfix for CAN reported temperature data
- ✓ Bugfix for charge current request in case of cell under voltage

Diagnostic PC tool:

- ✓ Increased timeslots for communication with the Diagnostic PC tool

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s-BMS version 6.17.0 and Diagnostic v6.17.0

ABOUT THIS RELEASE

v6.17 contains changes to the BMCU and LMU compared with the previous version. v6.17 firmware should be used exclusively on a system, do not mix other firmware/software versions with v6.17.

The PC Tool “Diagnostic software” is normally supplied as a node-locked PC application. Alternatively, the PC Tool is supplied on a licensed USB dongle and can only be started with this dongle connected to the computer’s USB port

FIRMWARE VERSION OVERVIEW

Unit:	Firmware version:	Boot loader version:
BMCU	20000.0A.06.c.017	7
SUB	20000.0A.06.c.017	2, 1 or -1
LMU	20000.0A.06.c.017	2, 1 or -1
PC Tool	20000.6.17.0	Not applicable

FIRMWARE FEATURES

The BMS password protection function has added a backdoor possibility. The backdoor access password is individual for each BMS and is randomly changed every time the PC Diagnostic tool is connected.

A software filter (slew rate) has been added to the AUX temperature input for improved noise immunity.

Bugfix that corrects the LMU number for CAN transmitted LMU temperatures. The previous version sometimes sent the wrong LMU number together with the temperature data.

Bugfix zeroes requested charger current in case of error combinations with “cell undervoltage” error and other detected errors like e.g. “Cell overtemperature” error.

Increased time for communication with Diagnostic PC tool. The previous BMCU version performed an LMU reinitialization for each LMU communication error. The new BMCU version only performs a reinitialization for a complete communication cycle, if one or more of the LMU communications fails.

On behalf of the Lithium Balance Support and R&D team

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