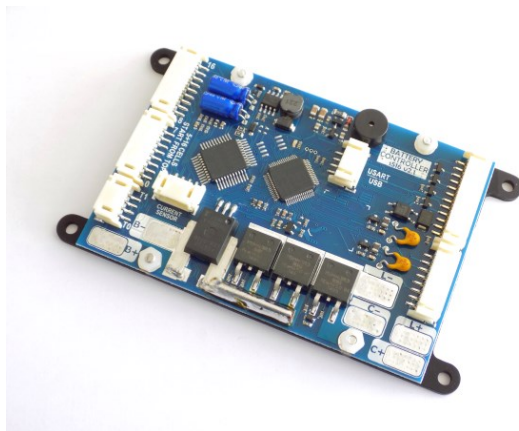


Products (/shop)
/ Tiny BMS s516 -
150A/750A



Tiny BMS s516 - 150A/750A

159.00 €

+VAT if applicable

-

1

+

Add to Cart

Does not include any cables.

Your battery is as good as BMS allows it to be.

Features

- Very small dimensions.
- Flexibility: 4 to 16 cells of any kind, including Li-ion, LiPo, LiFePO4, Li-Titanate and Li-sulfur chemistries
- Current measurement and SOC calculation.
- Firmware updates, new feature releases and improvements for free.
- Bluetooth connection (good for USB replacement).
- Event logs and live data view: easy to debug the system, check what happened and when.
- External contactor support for charger and load.
- External current sensor support up to 750A.
- Faster balancing due to "early balancing", which saves charging time.
- Ignition/enable input. BMS will switch off the output and go to low power mode when no signal on certain pin (if enabled).
- Temperature measurement in multiple points of the battery - for safety, to prevent overheating and charging in cold.

Specifications

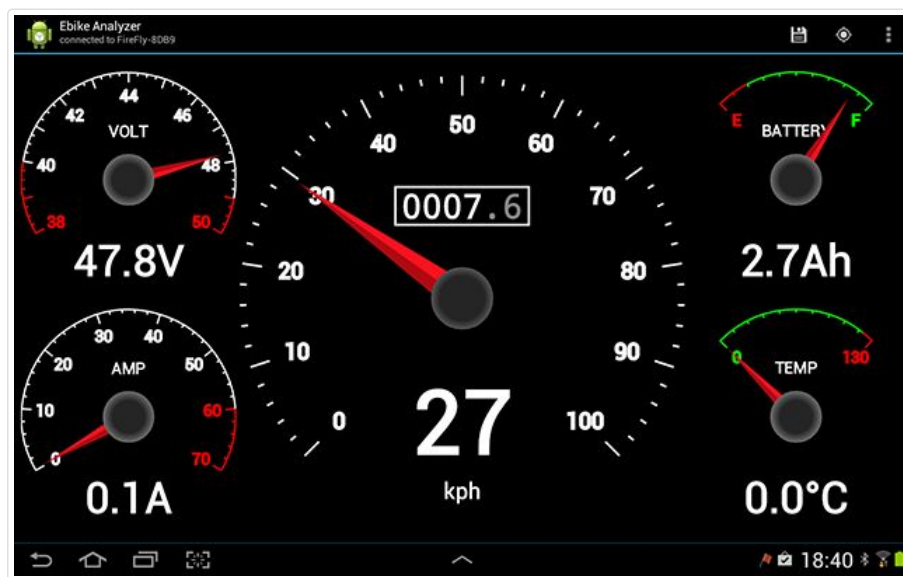
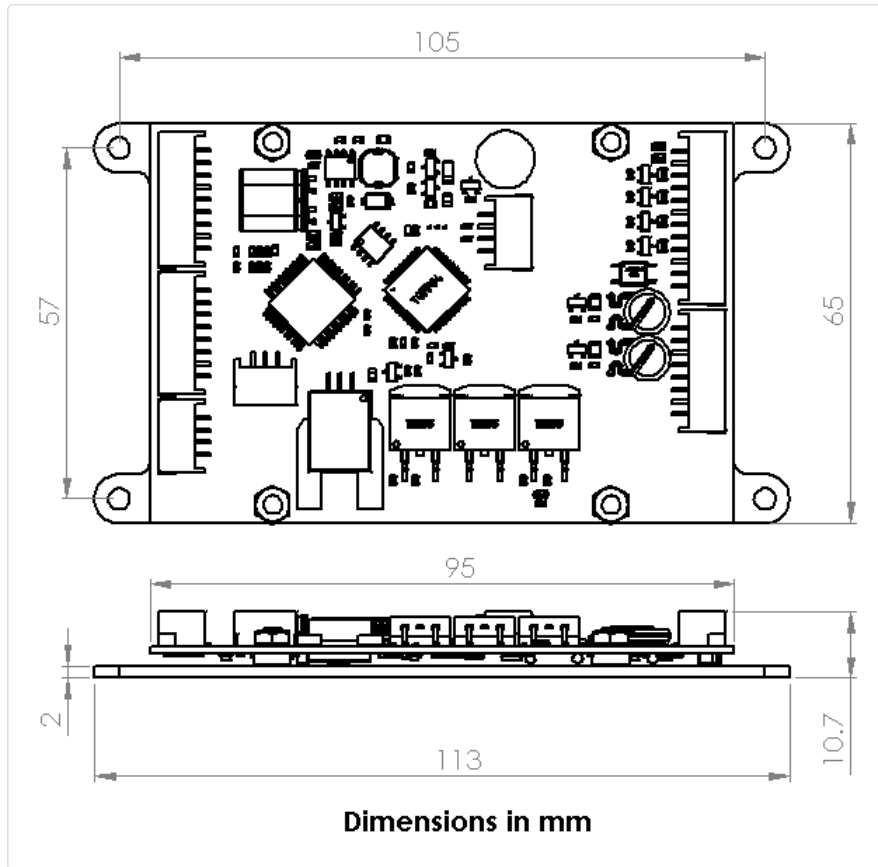
- Series cells: 4 to 16
- Cell voltage: 0.80 to 4.50 V
- Cell balancing: 150 mA, dissipative
- Discharge/Regen current peak: 150 A**
- Discharge/Regen current sustained: 60 A**
- Charge current peak: 100 A**
- Charge current sustained: 30 A**
- Discharge/Charge/Regen current: 750 A*
- Interface: UART (USB / Bluetooth / CAN)
- Up to 64 channel temperature sensors (available in Energus Cell Modules (<https://www.energusps.com/shop/category/li-ion-modules-3>))

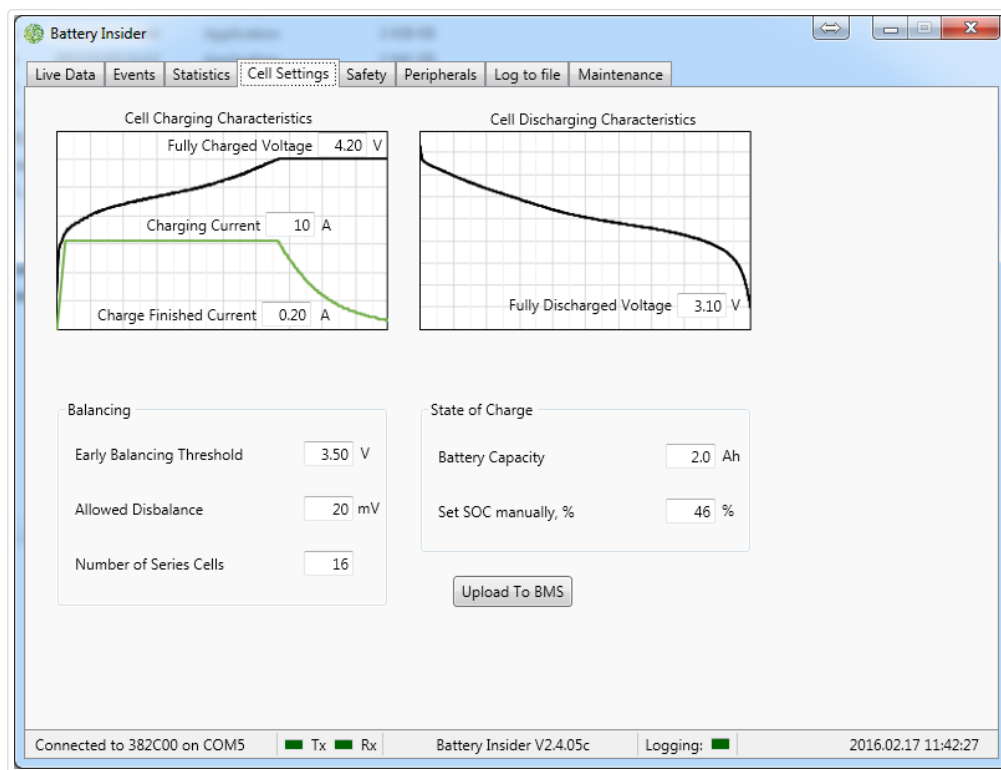
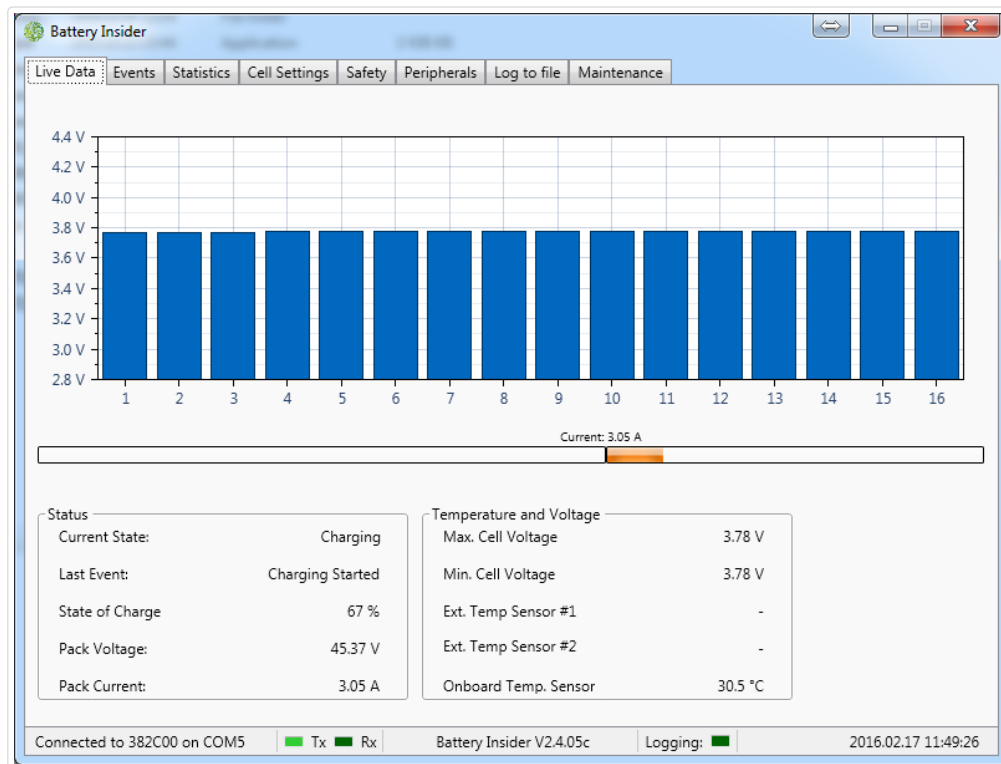
* - with external relays and current sensor

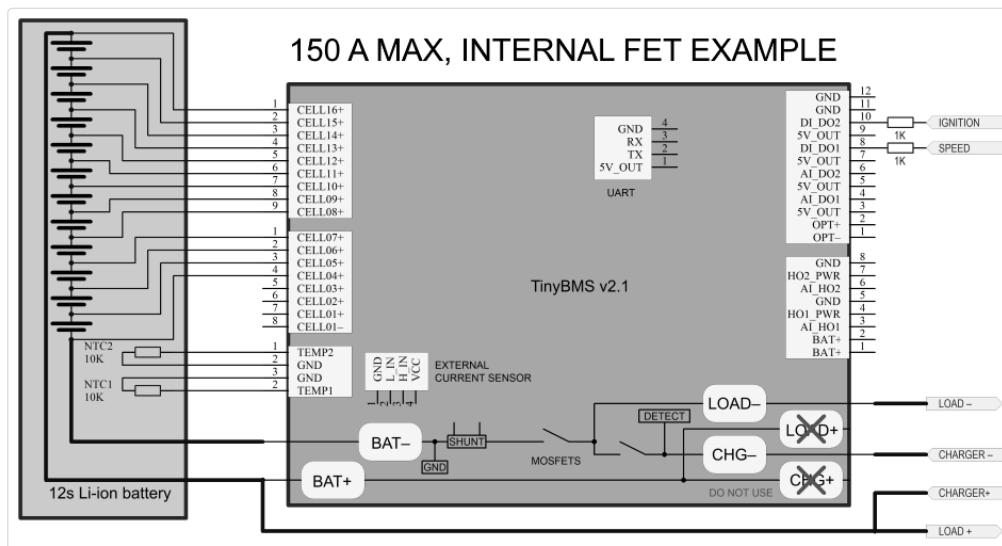
** - given that BMS is mounted on cool metal surface.

Downloads

Windows App: Battery Insider v2.5.0.6.exe (/web/binary/saveas?filename_field=datas_fname&field=datas_fname)
 Android App: Ebike Analyzer (link to Google Play, 3rd party) (<https://play.google.com/store/apps/details?id=com.eneragus.batteryinsider>)
 Firmware: TinyBMS_Release_Notes.pdf (/web/binary/saveas?filename_field=datas_fname&field=datas_fname)
 Datasheet: TinyBMS_Datasheet.pdf (/web/binary/saveas?filename_field=datas_fname&field=datas_fname)
 Quick Start Guide: TinyBMS_Quick_Start_Guide.pdf (/web/binary/saveas?filename_field=datas_fname&field=datas_fname)
 User Manual: TinyBMS_User_Manual.pdf (/web/binary/saveas?filename_field=datas_fname&field=datas_fname)
 Communication Protocols: TinyBMS_Communication_Protocols.pdf (/web/binary/saveas?filename_field=datas_fname&field=datas_fname)







A grid of five product images. The first row contains four items: a blue PCB (Tiny BMS s516 - 30A), a black module (CAN-UART converter, isolated), a black cable (USB-UART cable), and a bundle of red wires (Wire kit for 150A BMS (silicone)). The second row contains one item: a blue and gold cable (Bluetooth module).

Lithium Batteries for Light EVs (/page/technology)
 Battery Management Systems (<https://www.energusps.com/shop/category/battery-management-4>)
 Prismatic Li-ion Cells (<https://www.energusps.com/shop/category/li-ion-modules-3>)

4/5

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