



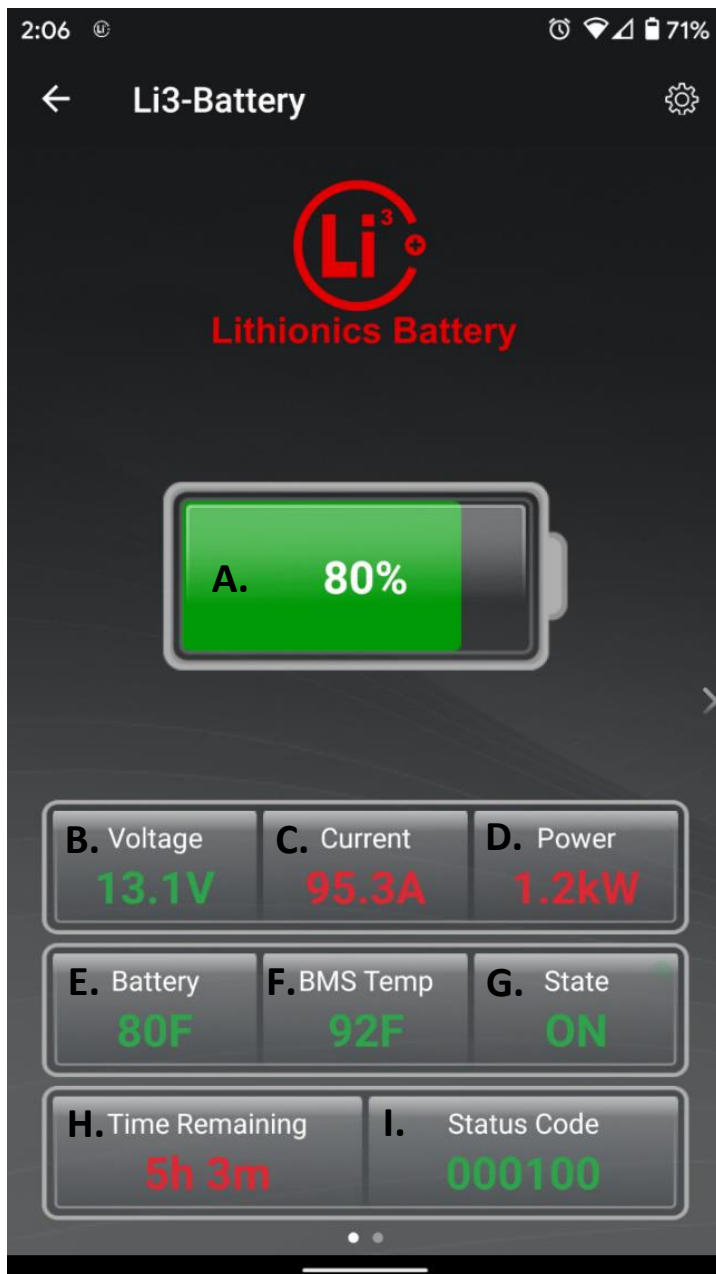
Lithionics Battery®

Rev.B 2021 © Lithionics Battery®

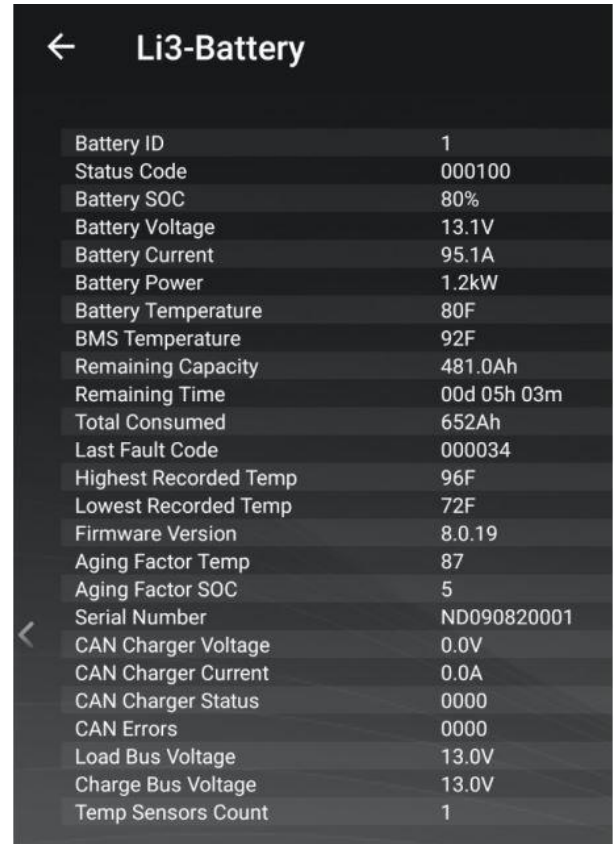
# Lithionics Battery® Monitor: Bluetooth® App



Bluetooth® Telemetry Available for NeverDie® Compact Series, Standard Series & Advanced Series Battery Management Systems.



Swipe left/right on the battery main screen to view more battery details.



### Main Screen:

- A. SoC Percentage
- B. Voltage
- C. Current
- D. Power
- E. Battery Temp
- F. BMS Temp
- G. Power State
- H. Time Remaining
- I. Status Code

Depending on your battery model, some screens may look slightly different.

To connect to Bluetooth® telemetry:

- 1) The battery must be in the ON position.
- 2) Bluetooth® must be enabled on your smart device and support BLE 4.0 and higher.
- 3) Open the Lithionics Battery® Monitor App.
- 4) Under the Device List, select the battery device you would like to monitor.

A. Battery State of Charge Percentage



B. Battery Voltage

Reading:

GREEN = normal voltage

RED = voltage too low or too high



C. Net Current Draw in Amps. RED Indicates Discharging Current. GREEN indicates Charging Current.



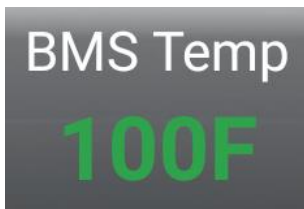
D. Net Power Draw in Watts. RED Indicates Discharging Power. GREEN indicates Charging Power.



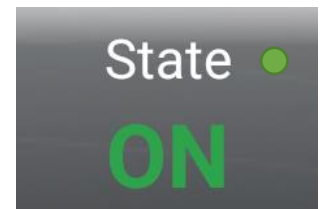
E. Internal Battery Temperature: GREEN = normal temp RED = temp too low or too high



F. Battery Management System Temperature: GREEN = normal temp RED = temp too high



G. Power State: Flashing green dot (heartbeat signal) indicates a healthy connection.



I. Status Code:  
Tap status code from the main screen to view codes...

Idle State			
Cell 4 Balancing	Cell 3 Balancing	Cell 2 Balancing	Cell 1 Balancing
		BMS Fault	
Cell Under-Voltage	Cell Over-Voltage	Short Circuit Protection	Overcurrent State
Power Off State	Battery Overload	Low Voltage State	Reserve Range
BMS Temp High	NeverDie Reserve	Cell Temp High/Low	High Voltage State

Compact Series Battery Type Interface

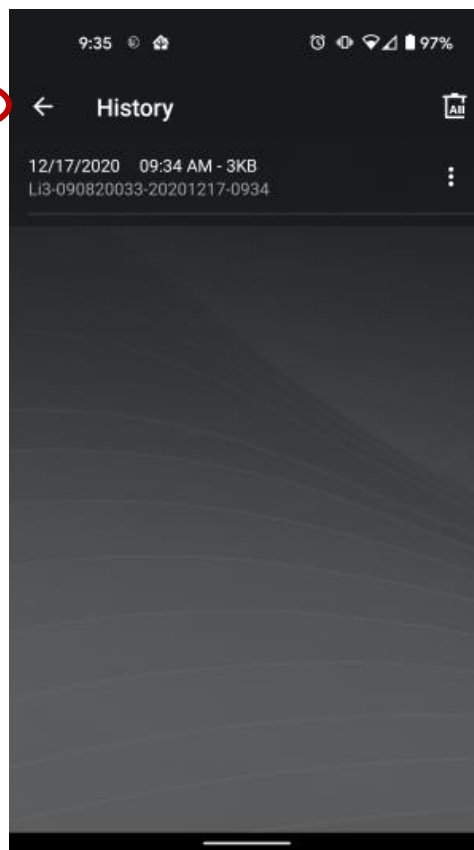
		Overcurrent State	Charge Disable State
Aux Input State	Low Temp State	High Temp State	AGSR State
Temp Sensor Error	TSM Charger Error	TSM Charger Present	AC Power Present
Contactor Flutter	Pre-Charge Error	Aux Contact Error	Aux Contact State
Power Off State	Battery Protection	Low Voltage State	Reserve Range
OptoLoop Open	NeverDie Reserve	Charge Detected	High Voltage State

Advanced Battery Type Interface

Normal operational states will be highlighted in GREEN, while fault or protection events will be highlighted in RED.

NOTE: A Status Code can be manually entered within the app by pressing the Status Code Reader button available at the bottom of the Settings screen, and selecting the BMS type.

## Data Logging

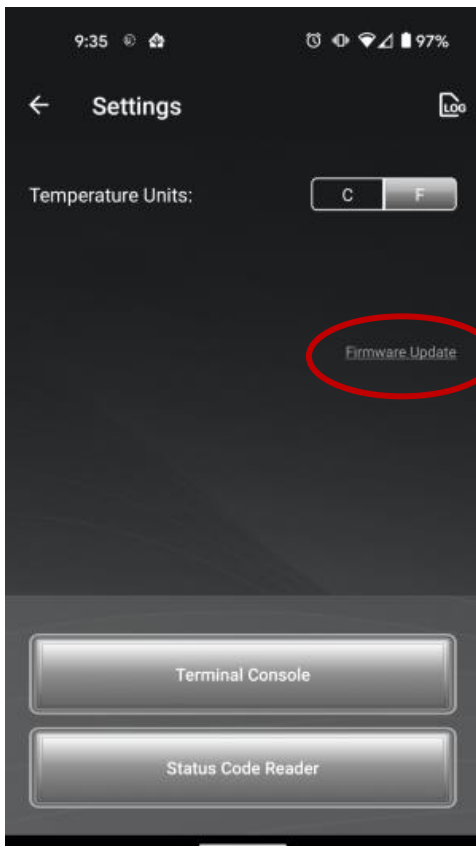


The app automatically data logs when connected to a battery. The log files can be found under the settings menu “LOG” button. From here you can view, share and delete logs as needed.

Terminal Console can be used to access live battery data stream and send bi-directional commands.

**NOTE:** Commands should only be used to adjust BMS settings if directed by Lithionics Battery®.

## Firmware Updates



The “Firmware Update” feature is also located in the Settings menu. Firmware update option is not available on older battery models.

**NOTE:** The firmware update should only be performed if necessary.

For additional support on the Lithionics Battery® BlueTooth® App, click on the following YouTube Link here:

[Lithionics Battery Monitor App Demo](#)