

Rev.B 2021 © Lithionics Battery®

## Lithionics Battery<sup>®</sup> Monitor: Bluetooth<sup>®</sup> App

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

	Get IT ON Google Play	Download on the App Store	
2:06 ®	© ❤⊿ 🕯 71%	Swipe left/right on the batter more battery o	y main screen to view details.
← Li3-Battery	ŝ	← Li3-Battery	
Lithionics B	attery	Battery ID Status Code Battery SOC Battery Voltage Battery Voltage Battery Current Battery Power Battery Temperature BMS Temperature BMS Temperature Remaining Capacity Remaining Capacity Remaining Time Total Consumed Last Fault Code Highest Recorded Temp Lowest Recorded Temp Firmware Version Aging Factor Temp Aging Factor Temp Aging Factor SOC Serial Number CAN Charger Voltage CAN Charger Current CAN Charger Status CAN Errors Load Bus Voltage	1 000100 80% 13.1V 95.1A 1.2kW 80F 92F 481.0Ah 00d 05h 03m 652Ah 000034 96F 72F 8.0.19 87 5 ND090820001 0.0V 0.0A 0000 0000 0000 13.0V
13.1V 95.3A	1.2kW	Charge Bus Voltage Temp Sensors Count	13.0V 1
E. Battery F. BMS Temp 80F 92F	p G. State	Main Screen: A. SoC Percentage B. Voltage	F. BMS Temp G. Power State
H. Time Remaining I. Status Code 5h 3m 000100		C. Current D. Power E. Battery Temp	<ul><li>H. Time Remaining</li><li>I. Status Code</li></ul>
• •		Depending on your battery model, some screens may	

LITHIONICS BATTERY, CLEARWATER, FL 33765 USA | PH: 727.726.4204 | FAX: 727.797.8046 | WEB: LITHIONICSBATTERY.COM

look slightly different.

<ul> <li>To connect to Bluetooth<sup>®</sup> telemetry:</li> <li>1) The battery must be in the ON position.</li> <li>2) Bluetooth<sup>®</sup> must be enabled on your smart device and support BLE 4.0 and higher.</li> <li>3) Open the Lithionics Battery<sup>®</sup> Monitor App.</li> <li>4) Under the Device List, select the battery device you would like to monitor.</li> </ul>	A. Battery State of Charge Percentage 97%			
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	Overcurrent State Charge Disable State Aux Input State Low Temp State High Temp State AGSR State			

 Cell
 Cell

 Under-Voltage
 Cell

 Over-Voltage
 Short Circuit

 Power Off State
 Battery Overload

 Low Voltage
 Reserve Range

 BMS Temp High
 NeverDie

 Reserve
 Cell Temp High/

 Low
 High Voltage

Compact Series Battery Type Interface

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

NOTE: Commands should only be used to adjust BMS settings if directed by Lithionics Battery<sup>®</sup>.

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

n/a

2.0.02

2.0.02

<

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

## **Firmware Updates**



For additional support on the Lithionics Battery<sup>®</sup> BlueTooth<sup>®</sup> App, click on the following YouTube Link here: Lithionics Battery Monitor App Demo