

LITHIONICS BATTERY®

LITHIUM-ION IRON PHOSPHATE BATTERY SYSTEMS



PLUG & PLAY SYSTEM

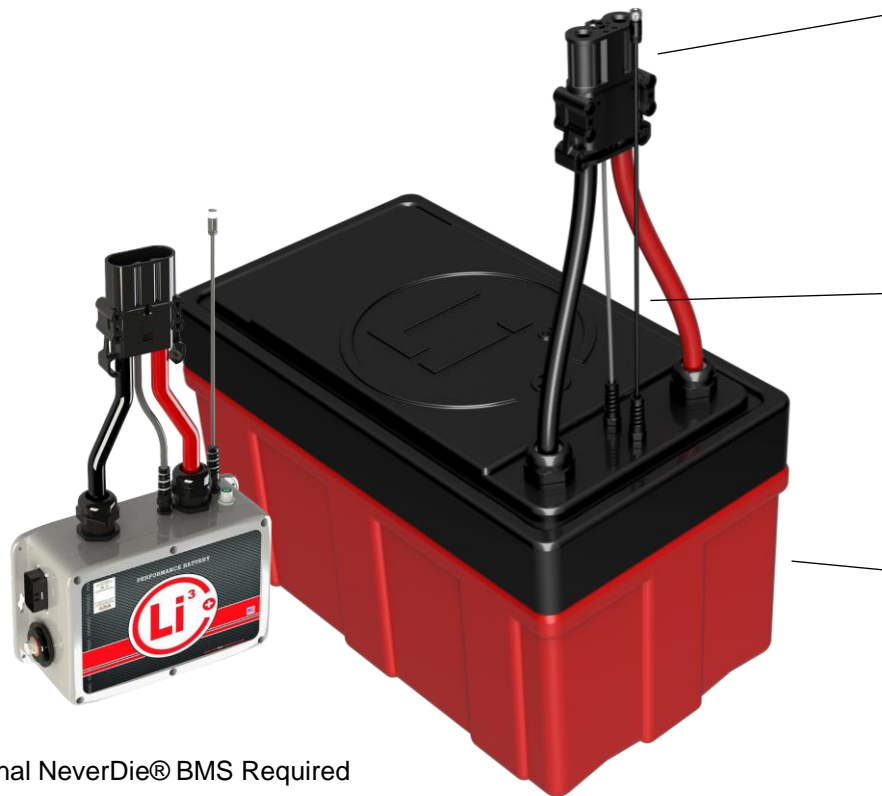
2021

The World's Widest Range of Advanced Battery Systems Using NeverDie®, miniBMS® & OptoLoop® Technology

LITHIONICS BATTERY® PLUG & PLAY BATTERY MODULES

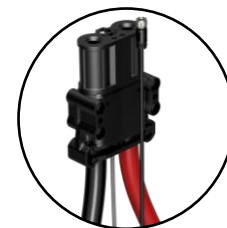


Lithionics Battery® uses an organic Lithium-ion Iron Phosphate chemistry in all of our lithium battery models. This naturally safe chemistry is paired with an internal shut down curtain technology inside each lithium cell, preventing any flame or explosion from thermal runaway events. Additionally, Lithionics Battery® uses a safe and easy-to-install Plug & Play connector system for battery-to-BMS and parallel connections. Lithionics Battery's Plug & Play system has been validated by third party accredited facilities such as Underwriter Laboratory for UL Listing and MGA Research Corporation for UN DOT compliance. These agencies certify that our Lithium-ion Iron Phosphate battery systems with our NeverDie® Battery Management System technology remains safe even under extreme conditions.



▶ Anderson Euro DIN Style Connector

2/0 & 4/0 Cable Configurations Available
Integrated OptoLoop® Cell Communication Cables



▶ Temperature Intervention Sensor

UL Approved Digital Temperature Reporting Sensor
Able to be Parallel Connected with T Adapters to BMS



▶ Lithium Iron Phosphate Battery Module

Variety of Case Sizes and Capacity Options
Ranging up to 7,680 Watt-hours per Module



External NeverDie® BMS Required

EXTERNAL NEVERDIE® BATTERY MANAGEMENT SYSTEM (BMS)



Lithionics Battery's NeverDie® Battery Management System is a proprietary design featuring UL tested protective safety features, as well as state-of-health (status & fault codes), and state-of-charge monitoring. The NeverDie® Battery Management System is standard on all Lithionics Battery® systems to ensure your lithium batteries are operated within their rated specifications, increasing the lifespan of your battery system and protecting your valuable investment. With Lithionics Battery's NeverDie® OptoLoop® technology, a single external Battery Management System can monitor multiple batteries in parallel connection. This allows a flexible system design and the ability to expand battery capacity in the future, providing you with a single state-of-charge (and state-of-health) metering point.

Standard NeverDie® BMS
12V to 51V 400A Rating



Advanced NeverDie® BMS
12V to 96V 400A Rating



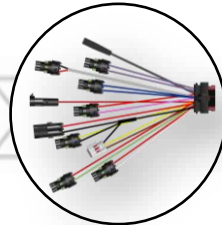
High Voltage NeverDie® BMS
102V to 512V 400A Rating



Available Features:

- ▶ Ampseal I/O Connector
- ▶ Round SOC Display*
- ▶ Bluetooth® Transmitter
- ▶ Status & Fault Code Reader

*Available on Advanced Series Only



PARALLEL COMBINER BOX



The Plug & Play system features our parallel combiner box for parallel connections. The Plug & Play connector system reduces the risk of short circuit or mis-wiring during installation, and allows you to quickly connect or disconnect your system in minutes. Lithionics Battery® manufactures our wire harness and combiner box systems in-house to the recommended crimp and connection standards and fully tests all connections alongside your battery system for quality assurance.

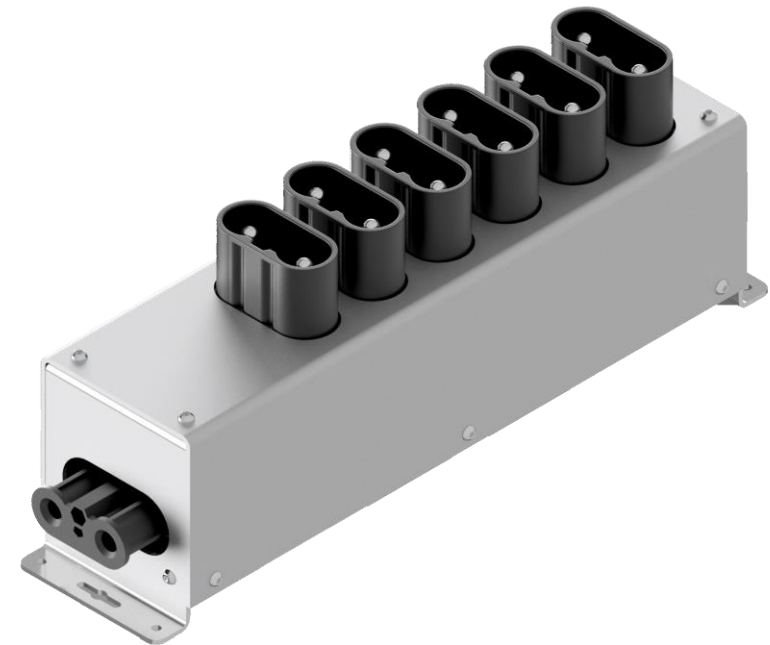
▶ **2 Port Combiner Box**



▶ **4 Port Combiner Box**



▶ **6 Port Combiner Box**



Up to 400 Amps Continuous

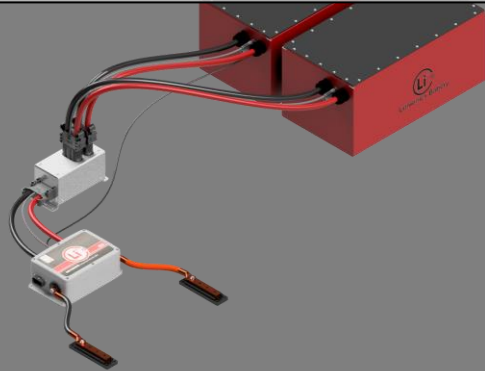
Note: Jumper DIN Connector Required for Unused Ports.

LITHIONICS BATTERY® PLUG & PLAY SYSTEM

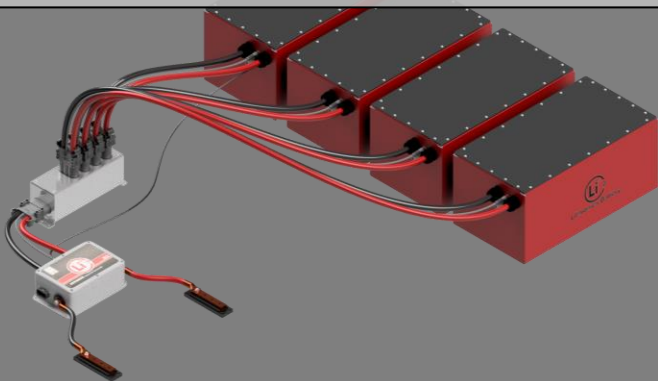
Lithionics Battery® Modular Expansion via the Parallel Combiner Box



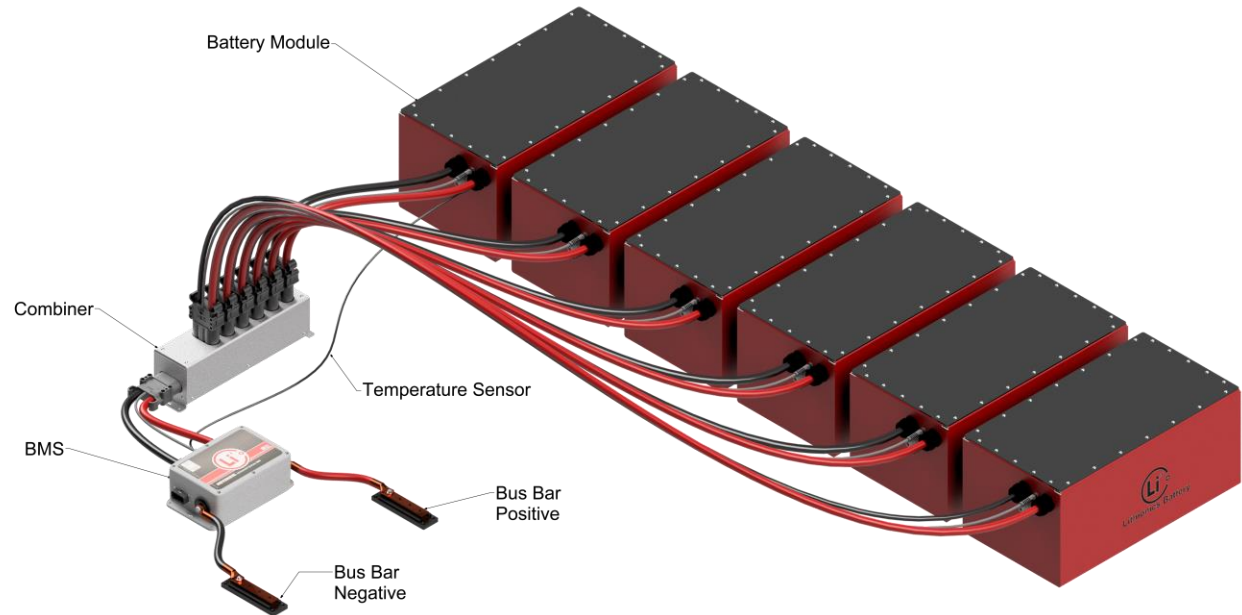
2-Port Combiner Box used for Expansion



4-Port Combiner Box used for Expansion



6-Port Combiner Box used for Expansion



Click here for more information on the [Plug & Play Combiner Box](#), or visit the Products page of our website.