# Single Channel
## Advanced Battery Management System

lithionics®

## KEY BENEFITS

+ **Advanced iONbus® Technology:** Enables seamless communication between components for smart system diagnostics.

+ **NeverDie® Power Reserve:** Built-in safety shutdown at 10% battery.

+ **Suitable for Various Applications:** Versatile for RV, marine, commercial, and industrial use.

**Reliable Power, Seamless Integration**
Experience peace of mind with Lithionics Bluetooth app for real-time monitoring and diagnostics. Optimize your battery usage utilizing our innovative Battery Management System (BMS). Easily connect multiple batteries to a single BMS by plugging directly into a combiner box.

**Voltage Options**
**12V:** NDV9-12V
**24V:** NDV9-24V
**48V:** NDV9-48V
**51V:** NDV9-51V
**102V:** NDV9-102V

## DIMENSIONS

| Size (L x W x H) | 13.0" x 23.7" x 4.0" | 330.2mm x 602.0mm x 101.6mm |
|---|---|---|
| Weight | 8.0lbs | 3.6kg |
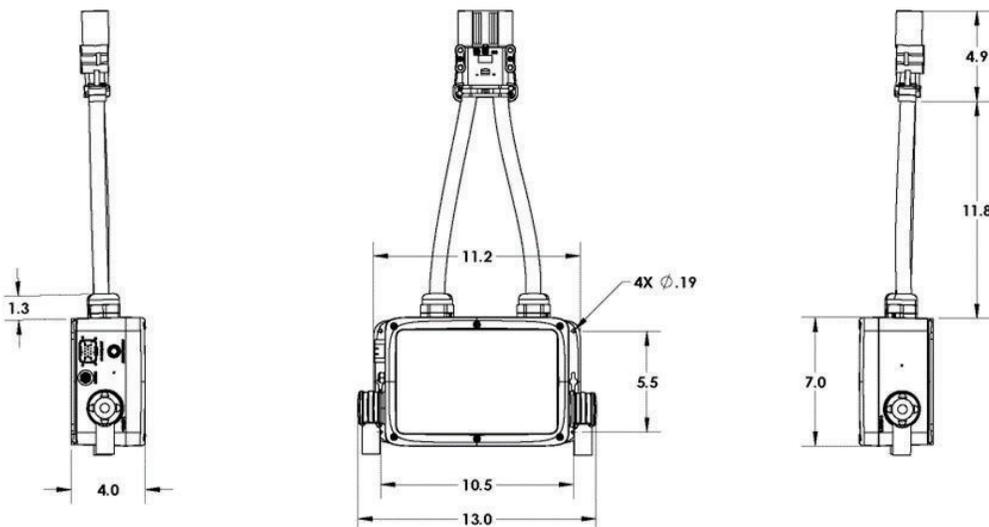
# SPECIFICATIONS

| VOLTAGE | |
|---|---|
| Voltage | 12.8V to 102.4V (4S-32S) |
| Capacity | 400A* Amperage Continuous [325A continuous with a single 4/0 Wire, 400A continuous requires 350MCM or 2x4/0 cables connected to each of the BMS terminals for heat dissipation] |

| MECHANICAL | |
|---|---|
| Terminal Size | 5/16-18 |
| Terminal Torque | 108-132in-lbs (12.2-14.9Nm) |
| Ingress Protection | IP66 |
| iONbus (M12 Connector) | Combines OptoLoop and RV-C CANbus technology into one connector |
| Included Components | IonBus T-Adapter, 2 IonBus Terminators, Terminal Covers |

| FEATURES | |
|---|---|
| AMPSEAL-14 Functions (Support depends on specific AMPSEAL-14 wire harness) | Alternator Control<br>Generator Control<br>Remote Lighted ON/OFF<br>Alarm Battery Low LED<br>Emergency- Stop<br>RS232<br>Aux. External Power Input |
| Bluetooth® | Includes App (iOS, Android)<br>Monitoring<br>Datalogging<br>Firmware Updates<br>PIN Security |
| Protection Features | Reserve Cut-Off<br>Pack Over and Under Voltage<br>Cell Over and Under Voltage<br>Cell Over and Under Temperature<br>Contactor Over-Temperature<br>Contactor State<br>Short Circuit<br>Over Current<br>Pre-charge Circuit |
| Optional Features | RS232 (In place of Bluetooth)<br>Ethernet TCP/IP<br>NMEA 2000 Port |
| Easily Integrates With | NCC CANbus Chargers<br>IonGauge Display<br>Victron Cerbo Support<br>Wakespeed WS500 Alternator Regulator<br>RV-C CANbus Compliant Devices<br>NMEA2000 Compliant Devices<br>SmartPower Alternator Series<br>Lithionics 3,000W Inverter-Charger |
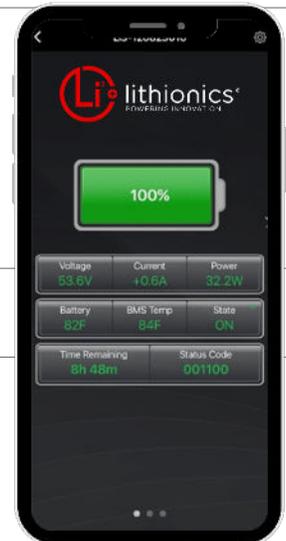
## Powering Innovation.
Discover the right lithium replacement system for you. Reach out to Lithionics' expert support team to find your perfect power solution.

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