

LITHIONICS BATTERY®

LITHIUM-ION IRON PHOSPHATE BATTERY SYSTEMS



PART NUMBER: AP037-HC SERIES
 – HIGH CURRENT ADVANCED PLUG & PLAY (350A CONTINUOUS RATING)

NEVERDIE®
 EXTERNAL BMS

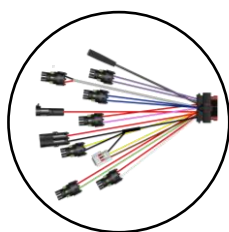


| NeverDie® BMS Features | Advanced Series (12V to 96V) |
|---|------------------------------|
| OptoLoop® Cell Monitoring | ✓ |
| MiniBMS® Cell Balancing | ✓ |
| NeverDie Reserve (Reset/Power Switch) | ✓ |
| Low-Voltage Cutoff Protection (Over-Discharge) | ✓ |
| High-Voltage Cutoff Protection (Over-Charge) | ✓ |
| Short Circuit Protection | ✓ |
| Current Direction Based Temperature Intervention Sensor | ✓ |
| UL Approved Fully Redundant Protective Safety Circuits | ✓ |
| Military Grade Latching Contactor with Aux Contact Monitoring | ✓ |
| Coulomb Based State-of-Charge Meter | ✓ |
| Programmable NeverDie Reserve & AGSR | ✓ |
| State of Health Monitoring (Status & Fault Codes) | ✓ |
| BMS Data Telemetry – CANBus | ✓ |
| BMS Data Telemetry – Bluetooth or Serial Port | Order Option |
| BMS Data Telemetry – Ethernet TCP/IP | Optional |
| Dual Channel (Independent Charge/Discharge Channels) | |
| Redundant Coil-Driven Contactor | Optional |
| Internal Pre-Charge Circuit (Programmable) | Optional for 48V to 96V |

| Ampseal I/O Features | Advanced (23-Pin) |
|---|-------------------|
| Alternator Field Control Circuit (FCC) | ✓ |
| CANBus (Supports RV-C BMS Data & NCC Charger Series) | ✓ |
| Remote Power Switch | ✓ |
| Serial UART BMS Data Telemetry (Alternate: Serial RS232) | ✓ |
| Automatic Generator Start/Restart (AGSR) | ✓ |
| External Pre-Charge Circuit Control (Alternate: Heater Power) | ✓ |
| BMS Auxiliary Power Input (AC Sense) | ✓ |
| High Voltage Charger Interlock | ✓ |
| Tri-Color LED Pod (Alternate: LED for Remote Reset Switch) | ✓ |
| Alarm Circuit | ✓ |
| Battery Percent (0-5V Signal) | ✓ |
| Emergency Stop Input (E-Stop Circuit) | ✓ |

To see full list of comparison, reference the NeverDie® BMS Catalog available on the homepage of our website. <https://lithionicsbattery.com>

ADVANCED NEVERDIE® ACCESSORIES



▶ Ampseal I/O Connector



▶ Bluetooth® Transmitter



▶ Round SOC Display

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

DIMENSIONS

11.25 X 4.06 X 22.00
 Measured in inches

