

87654321

D

C


B

A

Specifications	
Voltage	12.8V to 102.4V (4S-32S)
Amperage Continuous	400A*
iONbus (M12 Connector)	Combines OptoLoop and CANbus RV-C technology into one circular connector. Replaces previous generation OptoLoop and TIS Temperature Sensors.
AMPSEAL-14 Functions (Support depends on specific AMPSEAL-14 wire harness)	FCC, AGSR, Remote Lighted Reset, Alarm, Battery Low LED, E-Stop, RS232, Aux. Power (AC-Sense)
Pre-charge	Included, all supported voltages
Dual Channel Option	Yes, for separate Charge and Discharge DC busses
Bluetooth	Includes App (iOS, Android). Monitoring, Datalogging, Firmware Updates, PIN Security
Protection Features	Reserve, Pack Over and Under Voltage, Cell Over and Under Voltage, Cell Over and Under Temperature, Contactor Over-Temperature, Contactor State, Short Circuit, Over Current, Pre-charge
Optional Features	Dual Channel, RS232 (replaces BT), Ethernet TCP/IP, E-Stop, IONGage, NMEA 2000 Port
Easily Integrates With	NCC CANbus Chargers, IonGage Display, IonGate for Victron Cerbo Support, Wakespeed WS500 Alternator Regulator, RV-C Compliant Devices, NMEA 2000 Compliant Devices
Weight	8.0 lbs
Dimensions	Overall: 13.0" x 23.74" x 4.0" Enclosure only: 11.25" x 7.0" x 4.0"
IP Rating	IP66

\* 400A continuous requires 350MCM or 2x 4/0 cables connected to each of the BMS terminals for heat dissipation.  
With single 4/0 connection rating is 325A.

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL +/- 1/32  
ANGULAR +/- .25° BEND +/-  
TWO PLACE DECIMAL +/- .020  
THREE PLACE DECIMAL +/- .005  
Inspection Dimension:



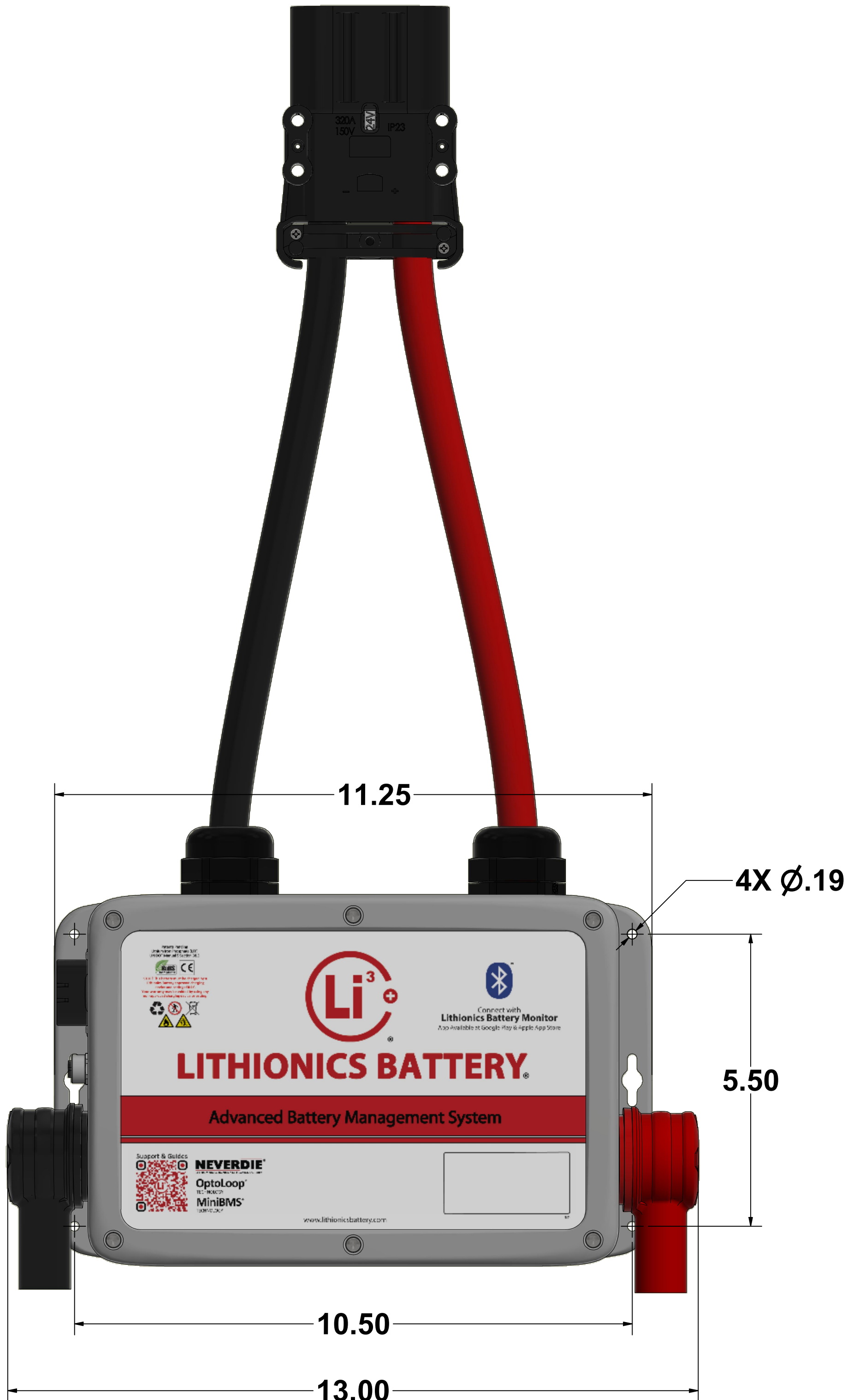
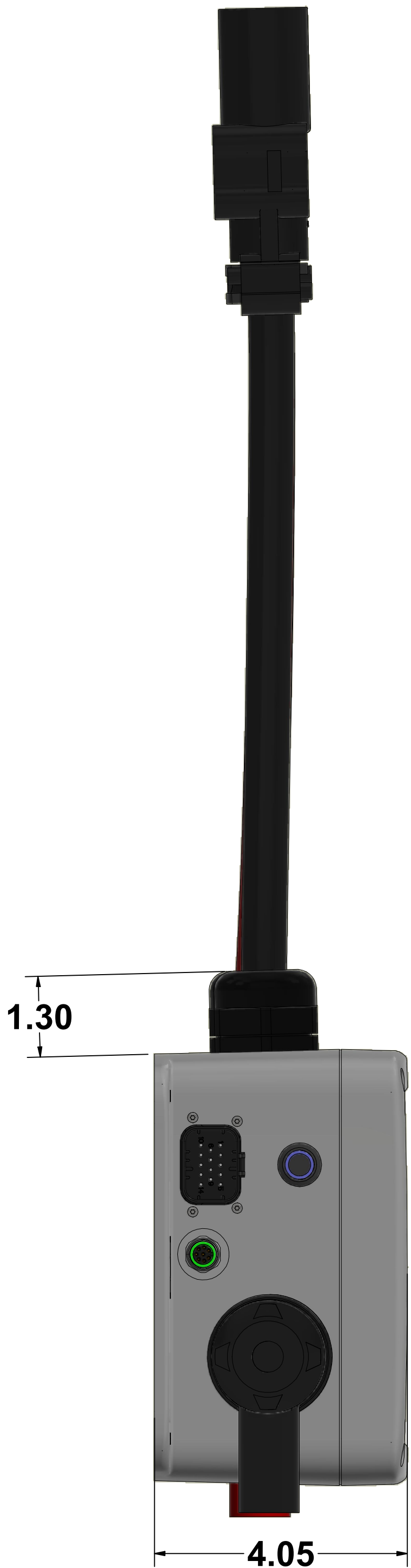
Lithionics Battery		
DESCRIPTION		
BMS V9		
PROJECT		
Battery Management Systems		
PART NO.		REV
AP097 Single Channel		C
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LITHIONICS BATTERY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LITHIONICS BATTERY IS PROHIBITED.		DO NOT SCALE
		SHEET 1 OF 3

87654321

A







Shown with elastomeric terminal boots (included)

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL +/- 1/32  
ANGULAR +/- .25° BEND +/-  
TWO PLACE DECIMAL +/- .020  
THREE PLACE DECIMAL +/- .005  
Inspection Dimension:

Lithionics Battery		
DESCRIPTION	BMS V9	
PROJECT	Battery Management Systems	
PART NO.	AP097 Single Channel	REV C
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LITHIONICS BATTERY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LITHIONICS BATTERY IS PROHIBITED.		DO NOT SCALE SHEET 3 OF 3