

High Capacity
Low Operating Temperature



TYPICAL APPLICATIONS

- Military Training Systems
- Back-up Server Power
- Rugged, Portable Electronics

STANDARDS COMPLIANCE

- SMBus v 1.1 smart battery technology compliant
- SBD v 1.1 smart battery dataset compliant
- MIL-STD-810G compliant
- MIL-STD-461F (EMI) compliant
- UN/DOT Transportation 38.3 T1-T8 compliant
- Manufactured under ISO 9001:2008 certified quality system

KEY FEATURES

- Charging, discharging and SMBus capabilities available via the connector or flat contacts
- High Capacity (20% increase vs. PB-LW-08)
- Low operating temperature (-30°C / -22°F)
- 5-segment State-of-Charge (SOC) display
- High energy density

COMPATIBLE CHARGERS

- **PC-6010-02** 1-bay tactical portable smart charger
- **PC-6805** 8-bay tactical portable smart charger
- **PC-3200M/C** 32-station bulk smart charger

COMPATIBLE CABLES

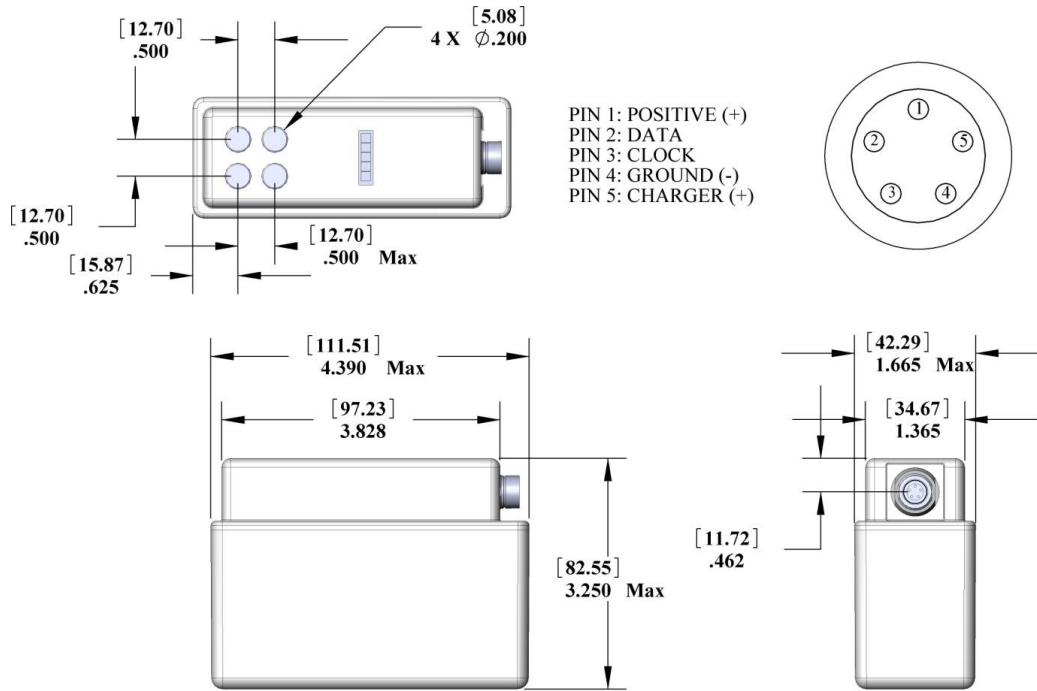
- **PE-CC2-04** discharge cable

COMPATIBLE BATTERY TESTER/ANALYZER

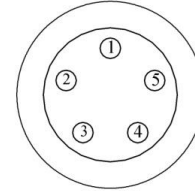
- **PE-BT-03**

BATTERY SPECIFICATIONS

Model No: PB-LWH-08
Voltage Range: 7.5V min.; 11.1V nom.; 12.6V max.
Nominal Capacity: 5.8 Ah @ 500mA @ 23°C (74°F)
Maximum Discharge: 5.0 A continuous @ 23°C (74°F)
Maximum Pulse Discharge: 7.5A for 5 seconds @ 23°C (74°F)
Energy: 64 Wh
Energy Density: 156 Wh/kg, 195 Wh/l
Weight: 410 grams (0.91 lbs.)
Cycle Life: > 300 cycles @ C/5 to 80% of initial capacity @ 100% depth of discharge
Operating Temp: -30°C to +60°C (-22°F to +140°F)
Storage Temp: -20°C to +50°C (-4°F to +122°F)
Self-Discharge: < 3% per month @ 25°C (77°F)
Housing: Hard plastic, black, lusterless, UL 94 V-0, NORYL
Connector: LEMO HEN.1F.305.XLNP
Mating Connector: LEMO FGN.1F.305.YLC or LEMO FGN.1F.305.XLC
Flat Contacts: Copper alloy with gold plating over nickel plating
Communication: SMBus v1.1 communication protocol SBD v1.1 data set support
State of Charge Indicator: 5 segment LCD display
Safety: See Safety Data Sheet – SDS058
Transportation: See Safety Data Sheet – SDS058
Export Classification: EAR99
Harmonized Tariff Schedule: 8507.60.0020
Charging: Charge at constant voltage of 12.6 Volts in a temperature range of 0°C to +45°C (+32°F to +113°F), limiting current to 2.4 A max, at 23°C, until current declines to 200 mA.
Charging Method: The battery should be charged using a constant current/constant voltage (CC/CV) charging method.



PIN 1: POSITIVE (+)
 PIN 2: DATA
 PIN 3: CLOCK
 PIN 4: GROUND (-)
 PIN 5: CHARGER (+)



Dimension in: inches [mm]

