

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 Glenair connector
- Charging and SMBus capabilities, only, available via flat contacts
- Flat contacts are isolated, until placed in the approved battery charger to allow battery charging
- High Capacity (20% increase vs. PB-LW-05)
- 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

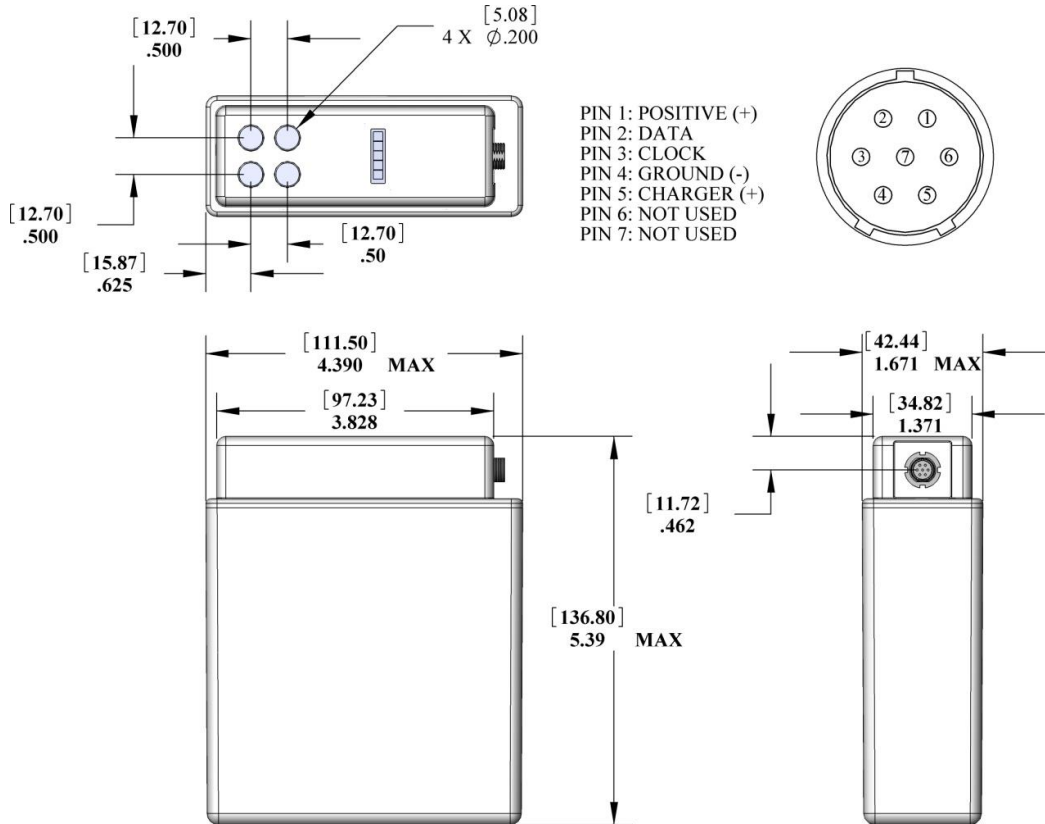
- **PE-CC2-07** discharge cable

COMPATIBLE BATTERY TESTER/ANALYZER

- **PE-BT-03**

BATTERY SPECIFICATIONS

Model No: PB-LWH-05
Voltage Range: 10.0V min.; 14.8V nom.; 16.8V max.
Nominal Capacity: 8.7 Ah @ 500mA @ 23°C (74°F)
Maximum Discharge: 4.0 A continuous @ 23°C (74°F)
Maximum Pulse Discharge: 6.0 A for 5 seconds @ 23°C (74°F)
Energy: 128 Wh
Energy Density: 156 Wh/kg, 216 Wh/l
Weight: 818 grams (1.8 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: Glenair 8070-1000-07Z16-7SN (Stainless Steel)
Mating Connector: Glenair 800-009-06Z16-7PN (Stainless Steel)
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 – SDS053
Transportation: See Safety Data Sheet – SDS053
Export Classification: EAR99
Harmonized Tariff Schedule: 8507.60.0020
Charging: Charge at constant voltage of 16.8 Volts in a temperature range of 0°C to +45°C (+32°F to +113°F), limiting current to 3.0 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.



Dimension in: inches [mm]

