

**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
- 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

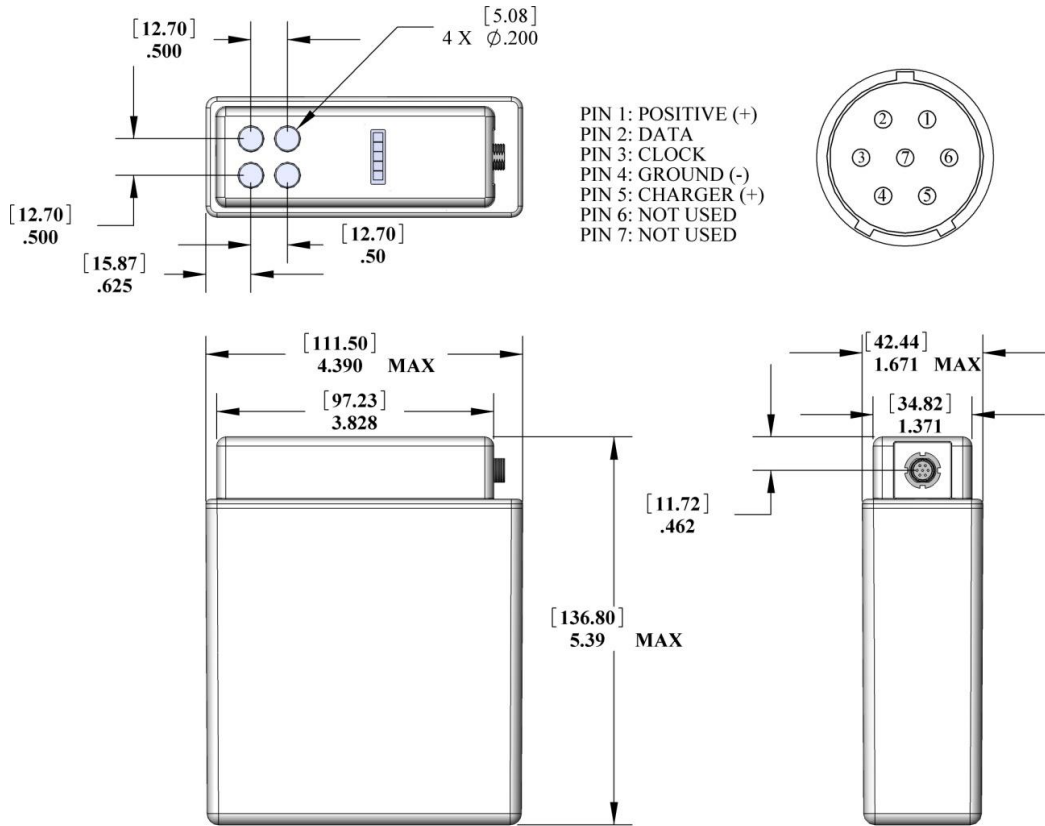
- **PE-CC2-07** discharge cable

### COMPATIBLE BATTERY TESTER/ANALYZER

- **PE-BT-03**

### BATTERY SPECIFICATIONS

<b>Model No:</b> PB-LWH-04-01
<b>Voltage Range:</b> 10.0V min.; 14.8V nom.; 16.8V max.
<b>Nominal Capacity:</b> 11.6 Ah @ 500mA @ 23°C (74°F)
<b>Maximum Discharge:</b> 4.0 A continuous @ 23°C (74°F)
<b>Maximum Pulse Discharge:</b> 6.0 A for 5 seconds @ 23°C (74°F)
<b>Energy:</b> 171 Wh
<b>Energy Density:</b> 171 Wh/kg, 269 Wh/l
<b>Weight:</b> 998 grams (2.2 lbs.)
<b>Cycle Life:</b> > 300 cycles @ C/5 to 80% of initial capacity @ 100% depth of discharge
<b>Operating Temp:</b> -30°C to +60°C (-22°F to +140°F)
<b>Storage Temp:</b> -20°C to +50°C (-4°F to +122°F)
<b>Self-Discharge:</b> < 3% per month @ 25°C (77°F)
<b>Housing:</b> Hard plastic, black, lusterless, UL 94 V-0, NORYL
<b>Connector:</b> Glenair 8070-1000-07Z16-7SN (Stainless Steel)
<b>Mating Connector:</b> Glenair 800-009-06Z16-7PN (Stainless Steel)
<b>Flat Contacts:</b> Copper alloy with gold plating over nickel plating
<b>Communication:</b> SMBus v1.1 communication protocol SBD v1.1 data set support
<b>State of Charge Indicator:</b> 5-segment LCD display
<b>Safety:</b> See Safety Data Sheet – SDS055
<b>Transportation:</b> See Safety Data Sheet – SDS055
<b>Export Classification:</b> EAR99
<b>Harmonized Tariff Schedule:</b> 8507.60.0020
<b>Charging:</b> 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.
<b>Charging Method:</b> The battery should be charged using a constant current/constant voltage (CC/CV) charging method.



Dimension in: inches [mm]

