

**High Capacity**  
**Low Operating Temperature**



### TYPICAL APPLICATIONS

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

### STANDARDS COMPLIANCE

- CECOM Safety Assessment Approved
- 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-01)
- 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

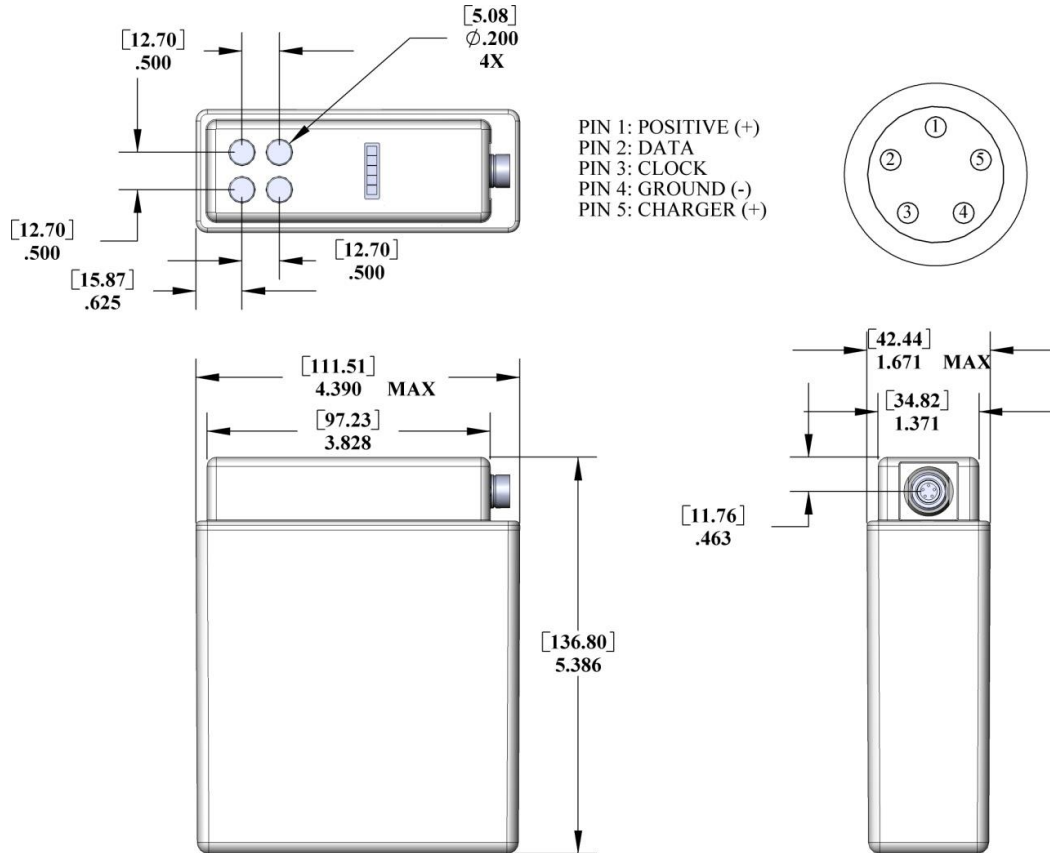
- **PE-CC2-04** discharge cable

### COMPATIBLE BATTERY TESTER/ANALYZER

- **PE-BT-03**

### BATTERY SPECIFICATIONS

<b>Model No:</b> PB-LWH-01	<b>MCN:</b> 6140-01-T00-2677
<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> 5.0 A continuous @ 23°C (74°F)	
<b>Maximum Pulse Discharge:</b> 7.5 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>Discharge Operating Temp:</b> -30°C to +60°C (-22°F to +114°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> LEMO HEN.1F.305.XLNP	
<b>Mating Connector:</b> LEMO FGN.1F.305.YLC or LEMO FGN.1F.305.XLC	
<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]

