



**TECHNICAL DATA SHEET**  
**LITHIUM ION**  
**RECHARGEABLE BATTERY**

**PB-LW-03**



**BATTERY SPECIFICATIONS**

<b>Model No:</b> PB-LW-03	<b>NSN:</b> TBD
<b>Manufacturers CAGE Code:</b> 03UN7	
<b>Voltage Range:</b> 10.0V min.; 14.8V nom.; 16.8V max.	
<b>Nominal Capacity:</b> 4.8 Ah @ 500mA @ 23°C (74°F)	
<b>Maximum Discharge:</b> 3.0 A continuous @ 23°C (74°F)	
<b>Maximum Pulse Discharge:</b> 5.0 A for 5 seconds @ 23°C(74°F)	
<b>Energy:</b> 71 Wh	
<b>Energy Density:</b> 118 Wh/kg, 175 Wh/l	
<b>Weight:</b> 600 grams (1.3 lb.)	
<b>Cycle Life:</b> > 300 cycles @ C/5 to 80% of initial capacity @ 100% depth of discharge	
<b>Operating Temp:</b> -20° C to 60° C (-4°F to 140°F)	
<b>Storage Temp:</b> -20° C to 60° C (-4°F to 140°F)	
<b>Self-Discharge:</b> < 3% per month @ 25°C (77°F)	
<b>Housing:</b> Hard plastic, lusterless, black, UL 94 V-0	
<b>Connector:</b> LEMO HEN.1F.305.XLNP	
<b>Mating Connector:</b> LEMO FGN.1F.305.YLC	
<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> LCD Displays	
<b>Safety:</b> See Material Safety Datasheet – MSDS012	
<b>Transportation:</b> See MSDS012	
<b>Harmonized Tariff Code:</b> 8507.80.0000	
<b>Charging:</b> Charge at constant voltage of 16.8 Volts in a temperature range of 0°C to 45°C, limiting current to 2.4 A max, at 23°C, until current declines to 200 mA.	

**APPLICATIONS**

- Military Training Systems
- Back-up Server Power
- Ruggedized Portable Electronics

**KEY FEATURES**

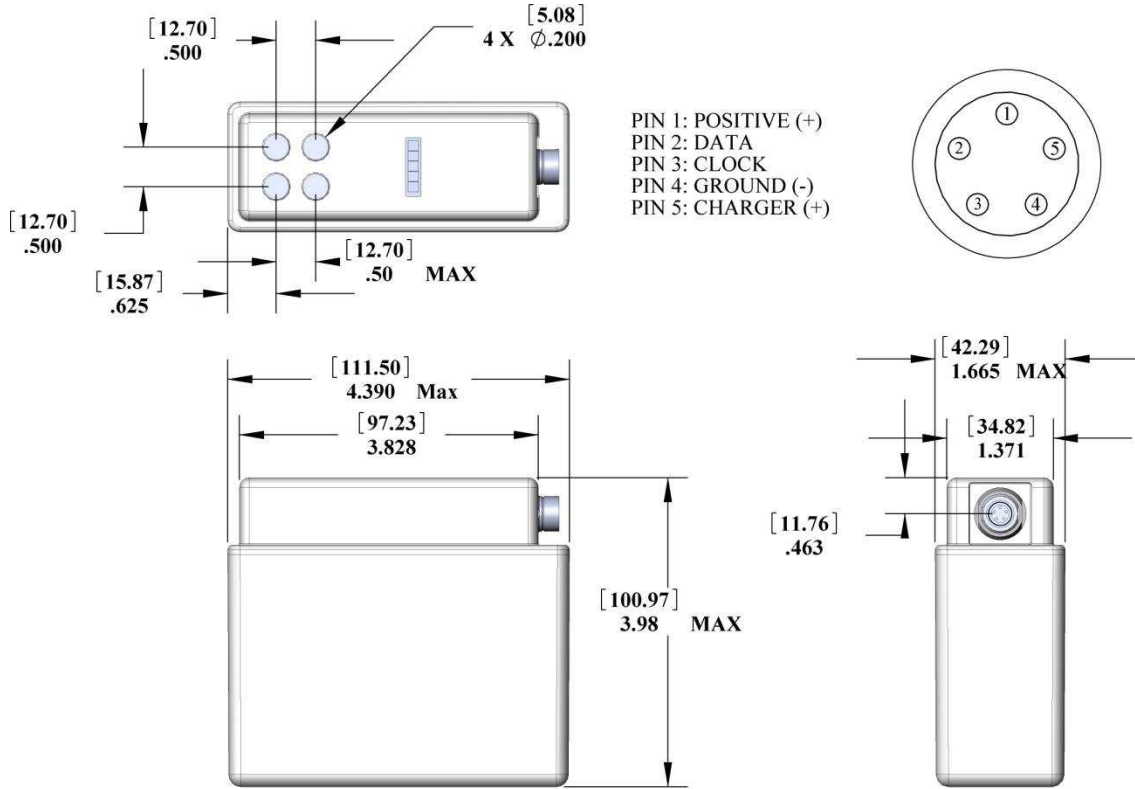
- SMBus v 1.1 smart battery technology compliant
- Smart battery data specification (SBD) v1.1 dataset
- Immersion compliant per MIL-STD-810G, Section 512.5
- EMI compliant per MIL-STD-461F (contact Patco Electronics for details)
- High energy density

**COMPATIBLE CHARGERS**

- **PC-3200M/C** 32-station bulk smart charger
- **PC-6805** 8-bay tactical portable smart charger
- **PC-6010-02** 1-bay tactical portable smart charger
- **PC-6500** dual battery desk top charger
- **PC-6200** single battery desk top charger

**COMPATIBLE CABLES**

- **PE-CC2-02** charge cable for PC-6200 charger
- **PE-CC2-03** charge cable for PC-6500 charger
- **PE-CC2-04** discharge cable



Dimension in: inches [mm]

