

## PB-LWH-08

*High Capacity*



### BATTERY SPECIFICATIONS

<b>Model No:</b> PB-LWH-08	<b>NSN:</b> TBD
<b>Manufacturers CAGE Code:</b> 03UN7	
<b>Voltage Range:</b> 7.5V min.; 11.1V nom.; 12.6V max.	
<b>Nominal Capacity:</b> 5.8 Ah @ 500mA @ 23°C (74°F)	
<b>Maximum Discharge:</b> 5.0 A continuous @ 23°C (74°F)	
<b>Maximum Pulse Discharge:</b> 7.5A for 5 seconds @ 23°C (74°F)	
<b>Energy:</b> 64 Wh	
<b>Energy Density:</b> 166 Wh/kg, 195 Wh/l	
<b>Weight:</b> 386 grams (0.850 lbs.) max.	
<b>Cycle Life:</b> > 350 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, black, UL 94 V-0	
<b>Cable Connector:</b> LEMO HEN.1F.305.XLNP	
<b>Flat Contacts:</b> 302 stainless plated with Sulfamate Nickel per ASTM B689, type 1	
<b>Communication:</b> SMBus v2.0 communication protocol SBD v1.1 data set support	
<b>State of Charge Indicator:</b> LCD Displays	
<b>Safety:</b> See Material Safety Datasheet – MSDS046	
<b>Transportation:</b> Excepted from regulations for packages with gross mass of 8 grams or less equivalent lithium content ( $\leq 100\text{Wh}$ ); UN3480	
<b>Harmonized Tariff Code:</b> 8507.80.0000	
<b>Charging:</b> Charge at constant voltage of 12.6 Volts in a temperature range of 0°C to 45°C, limiting current to 3.0 A max, at 23°C, until current declines to .2 amps.	

### APPLICATIONS

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

### KEY FEATURES

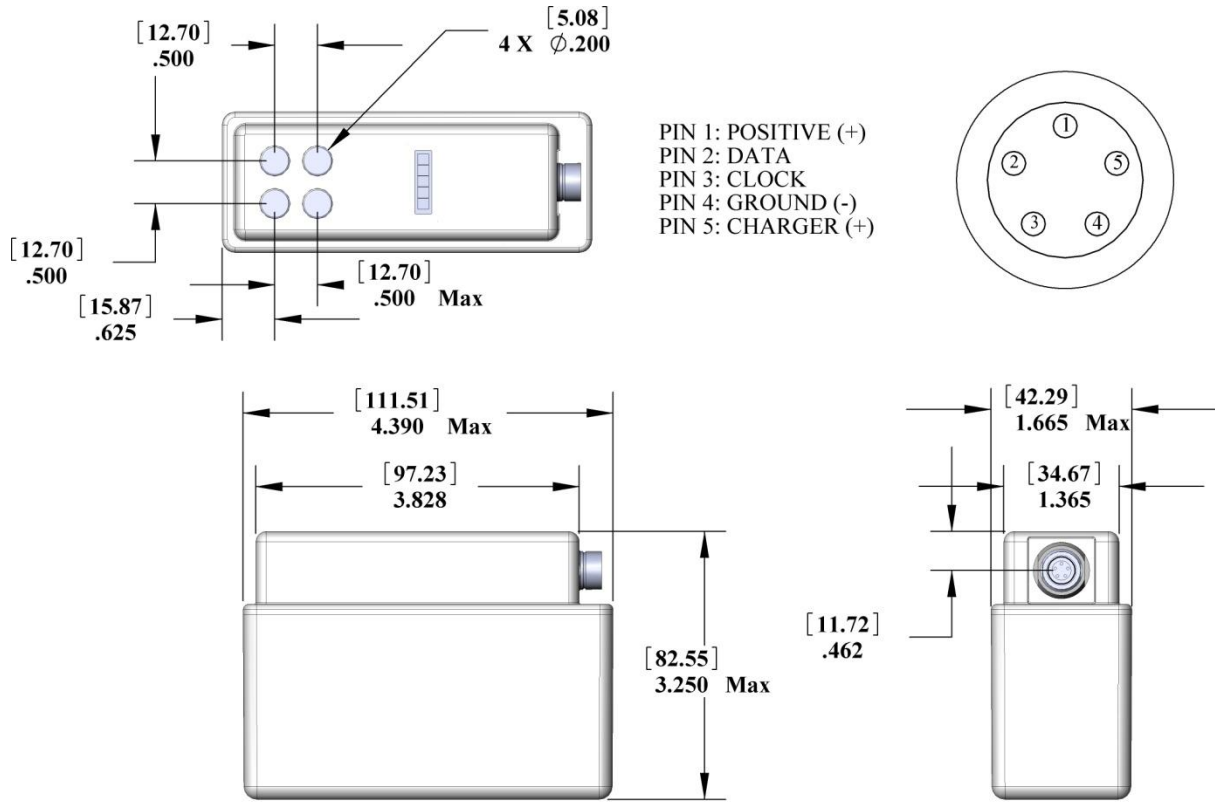
- SMBus v 2.0 smart battery technology compliant
- Smart battery data specification (SBD) v1.1 dataset
- Immersion compliant per MIL-STD-810G, Section 512.5
- EMI compliant per MIL-STD-461F (contact Patco Electronics for details)
- High energy density

### COMPATIBLE CHARGERS

- PC-3200M/C 32-station bulk smart charger
- PC-6805 8-bay tactical portable smart charger
- PC-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]

