



TECHNICAL DATA SHEET
LITHIUM ION
RECHARGEABLE BATTERY

PB-LW-01-NC



BATTERY SPECIFICATIONS

Model No: PB-LW-01-NC	NSN: TBD
Manufacturers CAGE Code: 03UN7	
Voltage Range: 10.0V min.; 15.2V nom.; 16.8V max.	
Nominal Capacity: 9.6 Ah @ 500mA @ 23°C (74°F)	
Maximum Discharge: 5.0 A continuous @ 23°C (74°F)	
Maximum Pulse Discharge: 7.5 A for 5 seconds @ 23°C (74°F)	
Energy: 145 Wh	
Energy Density: 162 Wh/kg, 223 Wh/l	
Weight: 893 grams (1.97 lbs.)	
Cycle Life: > 350 cycles @ C/5 to 80% of initial capacity @ 100% depth of discharge	
Operating Temp: -20° C to 60° C (-4°F to 140°F)	
Storage Temp: -20° C to 60° C (-4°F to 140°F)	
Self-Discharge: < 3% per month @25°C (77°F)	
Housing: Hard plastic, black, UL 94 V-0	
Cable Connector: "NO CONNECTOR"	
Flat Contacts: 302 stainless plated with Sulfamate Nickel per ASTM B689, type 1	
Communication: SMBus v2.0 communication protocol SBD v1.1 data set support	
State of Charge Indicator: LCD Displays	
Safety: See Material Safety Datasheet – MSDS010	
Transportation: Class 9 International and within U.S. unless shipped by motorcar or rail within U.S. UN3480	
Harmonized Tariff Code: 8507.80.0000	
Charging: Charge at constant voltage of 16.8 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

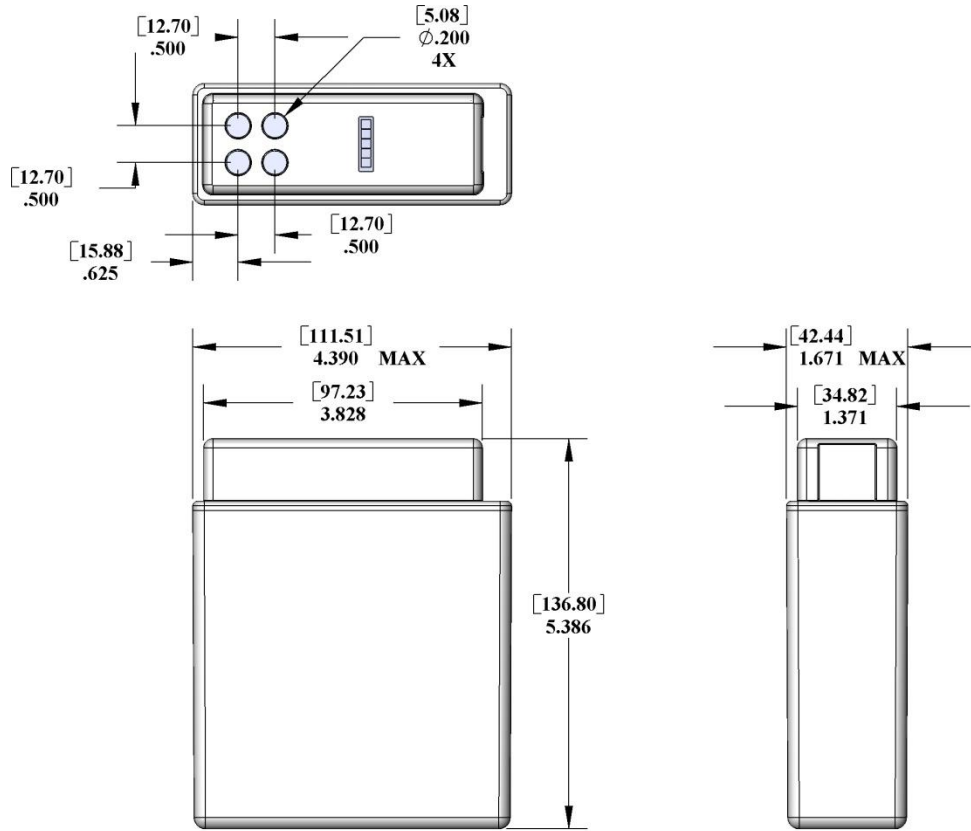
- SMBus v 2.0 smart battery technology compliant
- Smart battery data specification (SBD) v1.1 dataset
- Immersion compliant per MIL-STD-810G, Section 512.5
- EMI compliant per MIL-STD-461F (contact Patco Electronics for details)
- High energy density

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]

