



TECHNICAL DATA SHEET
LITHIUM ION
RECHARGEABLE BATTERY

PB-LW-07



BATTERY SPECIFICATIONS

Model No: PB-LW-07	NSN: TBD
Manufacturers CAGE Code: 03UN7	
Voltage Range: 7.5V min.; 11.1V nom.; 12.6V max.	
Nominal Capacity: 12.0 Ah @ 500mA @ 23°C (74°F)	
Maximum Discharge: 6.0 A continuous @ 23°C (74°F)	
Maximum Pulse Discharge: 8.5 A for 5 seconds @ 23°C (74°F)	
Energy: 133 Wh	
Energy Density: 133 Wh/kg, 223 Wh/l	
Weight: 998 grams (2.2 lbs.)	
Cycle Life: > 300 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, lusterless, black, UL 94 V-0	
Connector: LEMO HEN.1F.305.XLNP	
Mating Connector: LEMO FGN.1F.305.YLC	
Flat Contacts: Copper alloy with gold plating over nickel plating	
Communication: SMBus v1.1 communication protocol SBD v1.1 data set support	
State of Charge Indicator: LCD Displays	
Safety: See Material Safety Datasheet – MSDS045	
Transportation: See MSDS045	
Harmonized Tariff Code: 8507.80.0000	
Charging: 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 200 mA.	

APPLICATIONS

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

KEY FEATURES

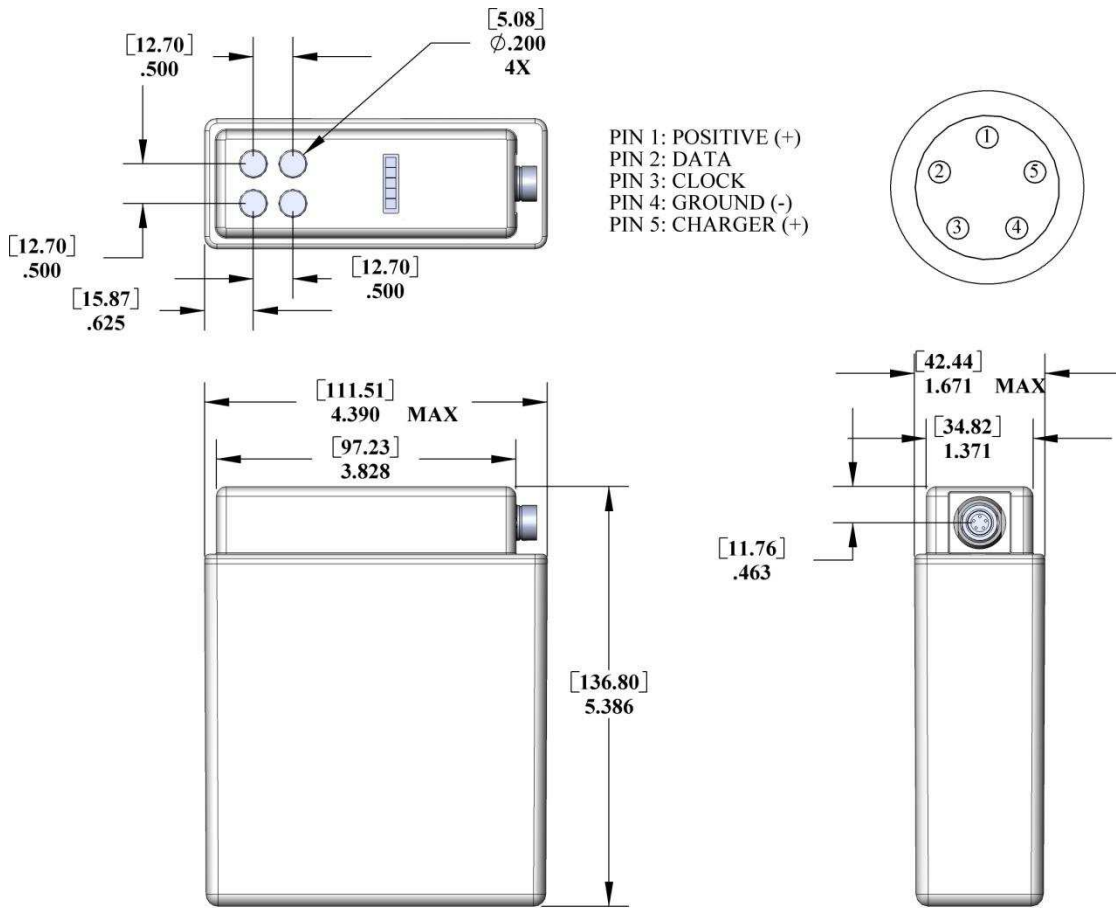
- SMBus v 1.1 smart battery technology compliant
- Smart battery data specification (SBD) v1.1 dataset
- Immersion compliant per MIL-STD-810G, Section 512.5
- EMI compliant per MIL-STD-461F (contact Patco Electronics for details)
- High energy density

COMPATIBLE CHARGERS

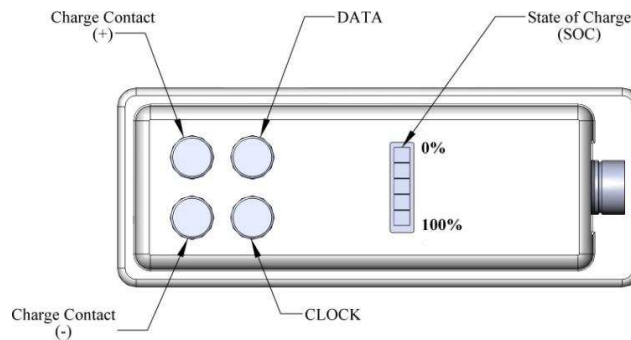
- **PC-3200M/C** 32-station bulk smart charger
- **PC-6805** 8-bay tactical portable smart charger
- **PC-6010-02** 1-bay tactical portable smart charger
- **PC-6500** dual battery desk top charger
- **PC-6200** single battery desk top charger

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]





TECHNICAL DATA SHEET
LITHIUM ION
RECHARGEABLE BATTERY
