



TECHNICAL DATA SHEET
LITHIUM ION
RECHARGEABLE BATTERY

PB-LW-02



BATTERY SPECIFICATIONS

| | |
|--|-----------------|
| Model No: PB-LW-02 | NSN: TBD |
| Manufacturers CAGE Code: 03UN7 | |
| Voltage Range: 10.0V min.; 14.8V nom.; 16.8V max. | |
| Nominal Capacity: 7.2 Ah @ 500mA @ 23°C (74°F) | |
| Maximum Discharge: 4.0 A continuous @ 23°C (74°F) | |
| Maximum Pulse Discharge: 6.0 A for 5 seconds @ 23°C (74°F) | |
| Energy: 106 Wh | |
| Energy Density: 130 Wh/kg, 179 Wh/l | |
| Weight: 818 grams (1.8 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 – MSDS011 | |
| Transportation: See MSDS011 | |
| 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 200 mA. | |

APPLICATIONS

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

KEY FEATURES

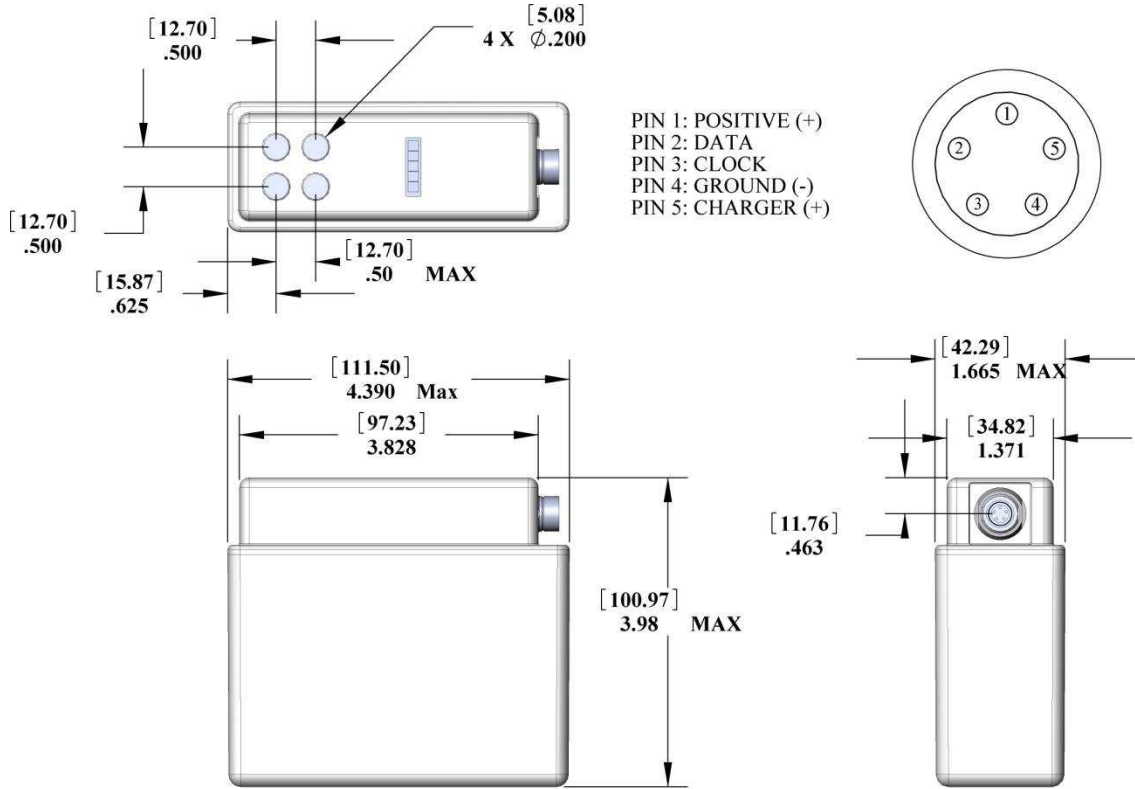
- SMBus v 1.1 smart battery technology compliant
- Smart battery data specification (SBD) v1.1 dataset
- Immersion compliant per MIL-STD-810G, Section 512.5
- EMI compliant per MIL-STD-461F
- High energy density

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]

