



BATTERY SPECIFICATIONS

Model No: PB-LW-01	NSN: 6140-01-585-1658
Voltage Range: 10.0V min.; 14.8V 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: 142 Wh	
Energy Density: 142 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 +50°C (-4°F to +122°F)	
Self-Discharge: < 3% per month @ 25°C (77°F)	
Housing: Hard plastic, lusterless, black, UL 94 V-0, NORYL	
Connector: LEMO HEN.1F.305.XLNP	
Mating Connector: LEMO FGN.1F.305.YLC or LEMO FGN.1F.305.XLC	
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: 5 segment LCD display	
Safety: See Safety Data Sheet – SDS010	
Transportation: See Safety Data Sheet - SDS010	
Export Classification: EAR99	
Harmonized Tariff Schedule: 8507.60.0020	
Charging: Charge at constant voltage of 16.8 Volts in a temperature range of 0°C to +45°C (+32°F to +113°F), limiting current to 3.0 A max, at 23°C, until current declines to 200 mA.	
Charging Method: The battery should be charged using a constant current/constant voltage (CC/CV) charging method.	

TYPICAL APPLICATIONS

- Military Training Systems
- Back-up Server Power
- Rugged, Portable Electronics

STANDARDS COMPLIANCE

- CECOM Safety Assessment Approved
- SMBus v 1.1 smart battery technology compliant
- SBD v 1.1 smart battery dataset compliant
- MIL-STD-810G compliant
- MIL-STD-461F (EMI) compliant
- UN/DOT Transportation 38.3 T1-T8 compliant
- Manufactured under ISO 9001:2008 certified quality system

KEY FEATURES

- Charging, discharging and SMBus capabilities available via the connector or flat contacts
- 5-segment State-of-Charge (SOC) display
- High energy density

COMPATIBLE CHARGERS

- **PC-6010-02** 1-bay tactical portable smart charger
- **PC-6805** 8-bay tactical portable smart charger
- **PC-3200M/C** 32-station bulk smart charger

COMPATIBLE CABLES

- **PE-CC2-04** discharge cable

COMPATIBLE BATTERY TESTER/ANALYZER

- **PE-BT-03**

