

### DATA SHEET LITHIUM ION RECHARGEABLE BATTERY LAND WARRIOR BATTERY PB-LWH-07

# High Capacity Low Operating Temperature



## **TYPICAL APPLICATIONS**

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

## STANDARDS COMPLIANCE

- 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
- High Capacity (20% increase vs. PB-LW-07)
- Low operating temperature (-30°C / -22°F)
- 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** 

# **BATTERY SPECIFICATIONS**

### Model No: PB-LWH-07

Voltage Range:

7.5V min.; 11.1V nom.; 12.6V max.

Nominal Capacity: 14.5 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: 161 Wh

Energy Density: 161 Wh/kg, 258 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:** -30°C to +60°C (-22°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, black, lusterless, 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 - SDS060

Transportation: See Safety Data Sheet - SDS060

Export Classification: EAR99

Harmonized Tariff Schedule: 8507.60.0020

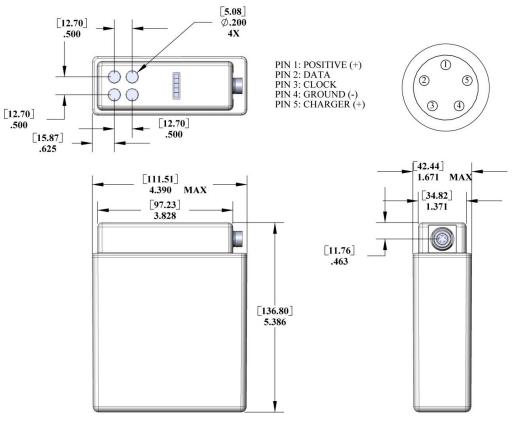
**Charging:** Charge at constant voltage of 12.6 Volts in a temperature range of 0°C to +45°C (+32°F to +113°F), limiting current to 3.0 A max, at 23°C, until current declines to 200 mA.

**Charging Method:** The battery should be charged using a constant current/constant voltage (CC/CV) charging method.

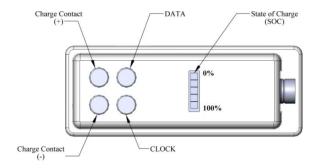




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Dimension in: inches [mm]



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