

## DATA SHEET LITHIUM ION RECHARGEABLE BATTERY LAND WARRIOR BATTERY PB-LW-03



#### **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
- 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-LW-03

Voltage Range: 10.0V min.; 14.8V nom.; 16.8V max.

Nominal Capacity: 4.8 Ah @ 500mA @ 23°C (74°F)

# Maximum Discharge:

3.0 A continuous @ 23°C (74°F)

Maximum Pulse Discharge:

5.0 A for 5 seconds @ 23°C(74°F)

Energy: 71 Wh

Energy Density: 118 Wh/kg, 175 Wh/l

**Weight:** 600 grams (1.3 lb.)

#### 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 - SDS012

Transportation: See Safety Data Sheet – SDS012

Export Classification: EAR99

Harmonized Tariff Schedule: 8507.60.0020

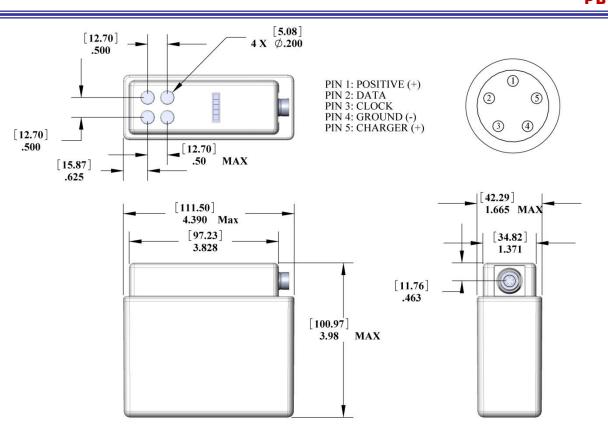
**Charging:** Charge at constant voltage of 16.8 Volts in a temperature range of 0°C to +45°C (+32°F to +113°F), limiting current to 2.4 A max, at 23°C, until current declines to 200 mA.

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

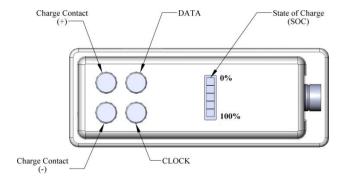




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Dimension in: inches [mm]



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