DATA SHEET
LITHIUM ION
RECHARGEABLE BATTERY
PB-AM-01 REV F

High Capacity
Low Operating Temperature

TYPICAL APPLICATIONS

- Military Training Systems
- Communication Devices
- 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

- High capacity (20% increase vs. PB-AM-01 Rev E)
- Low operating temperature -30°C (-22°F)
- 67% performance available at -30°C (-22°F)
- High energy density
- Long cycle life
- Lightweight

COMPATIBLE CHARGERS

- **PC-6010** 1-station tactical portable smart charger
- **PC-6100** 10-bay tactical portable smart charger
- **PC-4800M/C** 48-station bulk smart charger
- **PC-36101A** smart vehicle charger PCBA

BATTERY SPECIFICATIONS

Model No: PB-AM-01 Rev. F
Voltage Range: 9.0V min.; 11.1V nom.; 12.6V max.
Nominal Capacity: 8.7Ah @ 500mA @ 23°C (74°F)
Maximum Discharge: 5 A continuous @ 23°C (74°F)
Maximum Pulse Discharge: 18A for 1 seconds @ 23°C (74°F)
Energy: 96 Wh
Energy Density: 187 Wh/kg, 380 Wh/l
Weight: 515 grams (1.14 lbs.) max.
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
Housing: Hard plastic; lusterless, black, UL 94 V-0, NORYL
Connector: Amp 787615-1; Blade Type **Mating Connector:** Amp 787444-1; Blade Type
State of Charge Indicator: 5 segment LCD display
Safety: See Safety Data Sheet – SDS064
Transportation: See Safety Data Sheet – SDS064
Export Classification: EAR99
Harmonized Tariff Schedule: 8507.60.0020
Charging: Charge at constant voltage of 12.6 Volts maximum 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 200mA. **Charging Method:** The battery should be charged using a constant current/constant voltage (CC/CV) charging method.

PATCO Electronics | division of Creating Technology Solutions, LLC
5250 140th Avenue North | Clearwater | Florida | 33760
Tel 727-914-3001 | Fax 727-914-3342 | www.patcoelectronics.com | PATCO CAGE Code: 03UN7
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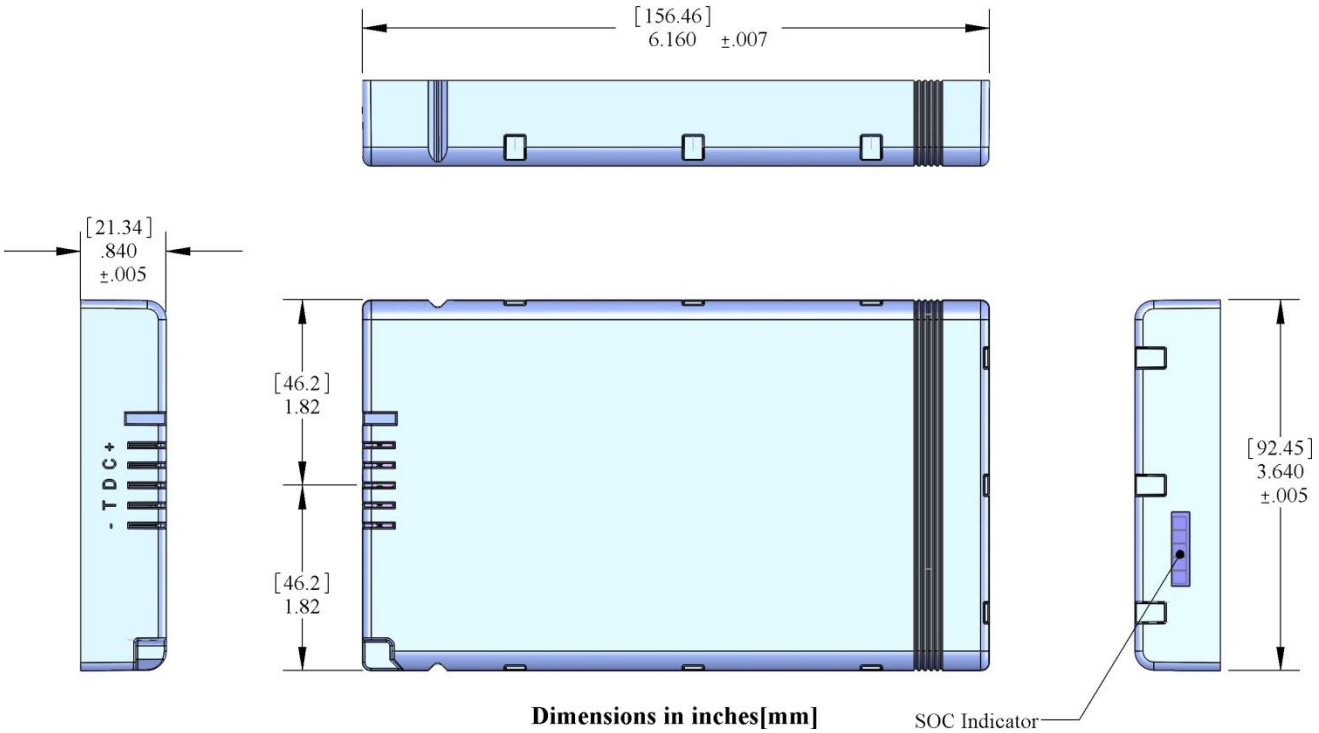

Dimensions in inches[mm]