



**TECHNICAL DATA SHEET**  
**LITHIUM ION**  
**RECHARGEABLE BATTERY**

## PBH-1301

*High Capacity*



### BATTERY SPECIFICATIONS

<b>Model No:</b> PBH-1301	<b>NSN:</b> TBD
<b>Manufacturers CAGE Code:</b> 03UN7	
<b>Voltage Range:</b> 3.0V min.; 3.7V nom.; 4.2V max.	
<b>Nominal Capacity:</b> 8.7 Ah @ 500mA @ 23°C (74°F)	
<b>Maximum Discharge:</b> 3.5 A continuous @ 23°C (74°F)	
<b>Maximum Pulse Discharge:</b> 6.0A for 5 seconds @ 23°C (74°F)	
<b>Energy:</b> 32 Wh	
<b>Energy Density:</b> 191 Wh/kg, 390 Wh/l	
<b>Weight:</b> 167 grams (0.367 lbs.) max.	
<b>Cycle Life:</b> > 350 cycles @ C/5 to 80% of initial capacity @ 100% depth of discharge	
<b>Operating Temp:</b> -20° C to 60° C (-4°F to 140°F)	
<b>Storage Temp:</b> -20° C to 60° C (-4°F to 140°F)	
<b>Self-Discharge:</b> < 5% per month	
<b>Housing:</b> Hard plastic	
<b>Connector - Flat Contacts:</b> Nickel A400 per ASTM B127	
<b>Safety:</b> See Material Safety Datasheet – MSDS047	
<b>Transportation:</b> Excepted from regulations for packages with gross mass of 8 grams or less equivalent lithium content ( $\leq 100\text{Wh}$ ); UN3480	
<b>Harmonized Tariff Code:</b> 8507.80.0000	
<b>Charging:</b> Charge at constant voltage of 4.2 Volts maximum in a temperature range of 0°C to 45°C, limiting current to 2.0 A max, at 23°C, until current declines to 610mA	

### APPLICATIONS

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

### KEY FEATURES

- High energy density
- Long cycle life
- Lightweight

### COMPATIBLE CHARGERS

- PC-6150M 15-bay tactical portable charger
- PC-6600M/C 60-station bulk charger



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