



TECHNICAL DATA SHEET
LITHIUM ION
RECHARGEABLE BATTERY

PB-FL-01



BATTERY SPECIFICATIONS

Model No: PB-FL-01	
Manufacturers CAGE Code: 03UN7	
Voltage Range: 10.0V min.; 14.4V nom.; 16.8V max.	
Nominal Capacity: 5.8Ah @ 500mA @ 23°C (74°F)	
Discharge: 6.6A continuous @ 23°C (74°F)	
Maximum Pulse Discharge: 12A for 30 seconds @ 23°C (74°F)	
Energy: 83 Wh	
Energy Density: 210 Wh/kg	
Weight: 409 grams (0.91 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 60°C (-4°F to 140°F)	
Self-Discharge: < 3% per month	
Housing: Shrink Wrap	
Connector: Power – TYCO 172165-1 SMBus – HIROSE DF 13-3S-1.25C	
Communication: SMBus v1.1 communication protocol SBD v1.0 data set support	
Safety: See Material Safety Datasheet – MSDS063	
Transportation: See MSDS054	
Harmonized Tariff Code: 8507.80.0000	
Charging: Charge at constant voltage of 16.8 Volts maximum in a temperature range of 0°C to 45°C, limiting current to 2.74A max, at 23°C, until current declines to 100mA.	

APPLICATIONS

- UGV's
- Ruggedized Portable Electronics

KEY FEATURES

- SMBus v 1.1 Smart Battery Technology
- Smart Battery Data Specification (SBD) v1.0 Dataset
- EMI Per MIL-STD-461F
- High Energy Density
- Long Cycle Life

