

UBBL07

Technical Datasheet

The Ultralife Advantage

Better technology. Our lithium-based (lithium-manganese dioxide, lithium ion and lithium polymer) technologies enable us to design leading-edge power solutions for the world's most demanding applications.



SPECIFICATIONS

Part No	UBBL07
Voltage Range	3.0 to 4.2 V
Average Voltage	3.7 V
Nominal Capacity	6.1 Ah @ C/5 Rate @ 23° C
Max. Discharge	3.5 A continuous
Energy	22.6 Wh
Energy Density	141 Wh/kg, 270 Wh/l
Weight	160 grams
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temp	-20° C to 60° C
Storage Temp	-20° C to 60° C
Self-Discharge	< 10% per month
Exterior/Housing	PVC Shrink Wrap
Terminals/Connector	Wire leads: 26 AWG: Red (+), Black (-). Molex connector 87439-0400. Mates with 87437 & 87438.
Safety	UL component recognized. Material Safety Datasheet – MSDS051.
Transportation	Excepted from Regulations – see note 1
Protection Circuit Module	Over Voltage Limit: 4.35 +/- 0.05 V Under Voltage Limit: 2.5 +/- 0.1 V Over Current Protection: 2.25 – 5.0 A Max. Quiescent Drain: 3 µA
Charging	Maximum charge rate at C/2 to 4.2 Volts in a temperature range of 0° to 45° C. Hold at 4.2 Volts until current declines to C/10. Refer also to Safety Guide UBI-5112.
Note 1	For a complete description of transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9," refer to the Ultralife web site at www.ultralifebatteries.com .

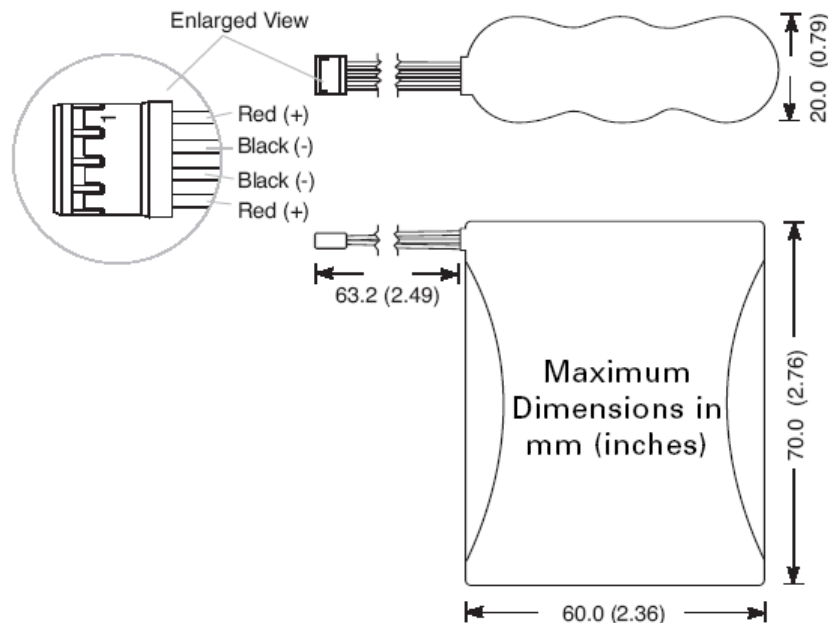
FEATURES

- Long Cycle Life
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect

APPLICATIONS

- Portable Electronics
- Military Radios
- Hand-held Devices
- Medical Equipment
- Unmanned Vehicles
- Server Back-up Power

DIMENSIONS



PERFORMANCE GRAPHS

