

UBBL21

Technical Datasheet



FEATURES

- Off-the-shelf convenience
- Wire or connector terminals
- Full circuit protection
- Meets all UN transportation testing
- Long cycle life
- High energy density
- Wide operating temperature range
- Lightweight

APPLICATIONS

- Portable electronics
- Hand-held devices
- Medical equipment
- Back-up power

SPECIFICATIONS

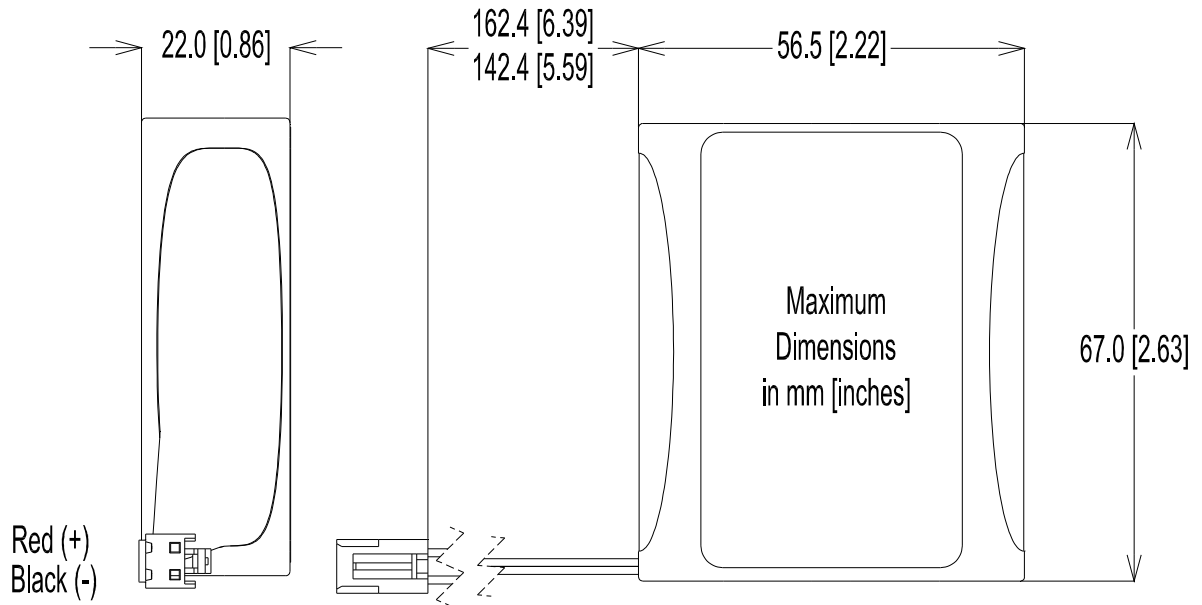
Part No	UBBL21-FL or UBBL21-C1
Voltage Range	9.0 to 12.6V
Average Voltage	10.8V
Capacity	2.4Ah @ C/5 Rate @ 23±2°C
Max. Discharge	2.5A continuous
Energy	26Wh
Energy Density	182Wh/kg, 433Wh/l
Weight	~143 grams
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temp	-20°C to 60°C
Storage Temp	-20°C to 50°C
Self-Discharge	< 10% per month
Exterior/Housing	PVC Shrink Wrap
Terminals/Connector	FL: 22 AWG wire leads Red (+), Black (-). C1: JST Connector VHR-2N.
Safety	Material Safety Datasheet - MSDS041. Safety Guide UBI-5112.
Transportation	Exempted from regulations for packages with gross mass of 10kg or less (see note.)
Protection Circuit Module and PTC	Over Voltage Limit: 4.35±0.025V (per cell) Under Voltage Limit: 2.30±0.1V (per cell) Over Discharge Current Limit: 3.6 – 6.0A PTC Rated for 2.6A Hold Current @ 20°C
Charging	Recommended charge rate at 466mA to 12.6V in a temperature range of 0°C to 45°C. Hold at 12.6V until current declines to 50mA. Maximum charge rate is 1.63A @ 23±2°C. Refer also to Safety Guide UBI-5112.

Note	Complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife Website. Ultralife Transportation Regulations and Information
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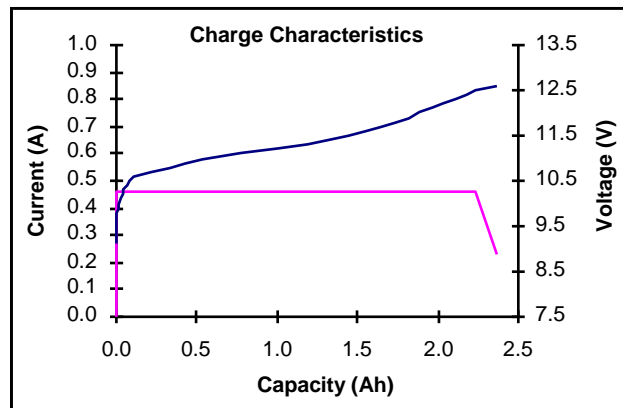
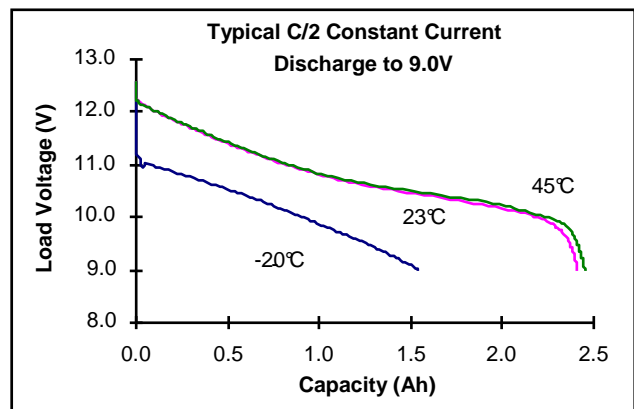
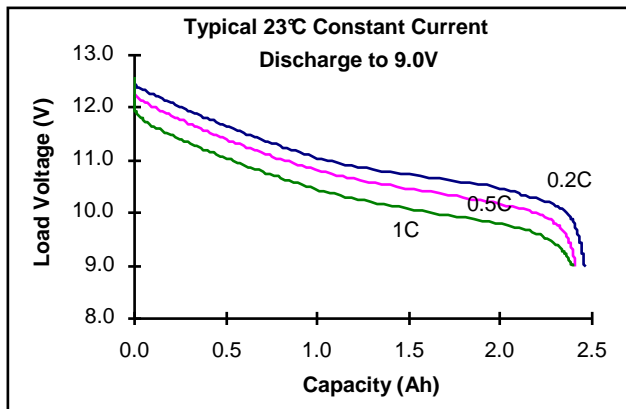
DIMENSIONS

UBBL21-FL: Wire Leads

UBBL21-C1: Connector



PERFORMANCE GRAPHS



Newark, NY • 315-332-7100 • Fax 315-331-7800

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