

UBBL20

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
- No memory effect

Applications

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

Accessories Optional

- UCH0037-S: Wall Wart charger (U.S.)
- UCH0037-I: Wall Wart charger (International)
- UCA0102-01: Interface cable for UBBL20-FL
- UCA0102-02: Interface cable for UBBL20-C1

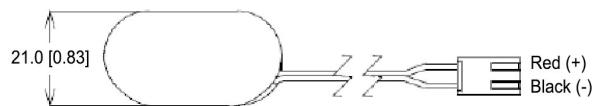
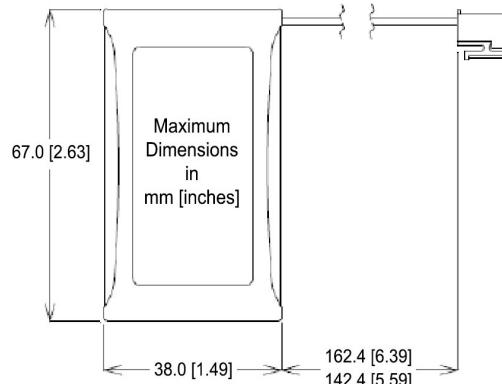
Technical Specifications

Part No.	UBBL20-FL, UBBL20-C1 or UBBL20-C2
Voltage Range	6.0 to 8.4V
Average Voltage	7.2V
Capacity	2.75Ah @ C/5 Rate @ 23°C±2°C
Max. Discharge	2.5A continuous
PTC	Rated for 2.6A Hold Current @ +20°C
Energy	19.8Wh
Energy Density	180Wh/kg, 450Wh/l
Weight	~100g
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temperature	-20°C to +60°C
Storage Temperature	-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 C2: Molex Microfit 43030-0008
Safety	Material Safety Datasheet - MSDS041 Safety Guide UBM-5112
Certifications	IEC 62133-2:2017 Certified CB ID: BE-42320
Transportation	UN 3480 Dangerous Goods Class 9, Total Energy <100Wh If packed in or with equipment (UN 3481), contact Ultralife for guidance or other questions.
Protection Circuit Module and Fuses	Over Voltage Limit: 4.35±0.025V (per cell) Under Voltage Limit: 2.30±0.1V (per cell) Over Discharge Current Limit: 3.0 - 5.5A
Charging	Recommended charge rate is 466mA to 8.4V in a temperature range of 0°C to +45°C. Hold at 8.4V until current declines to 50mA. Maximum charge rate is 1.63A @ 23°C±2°C.

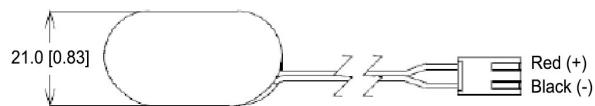
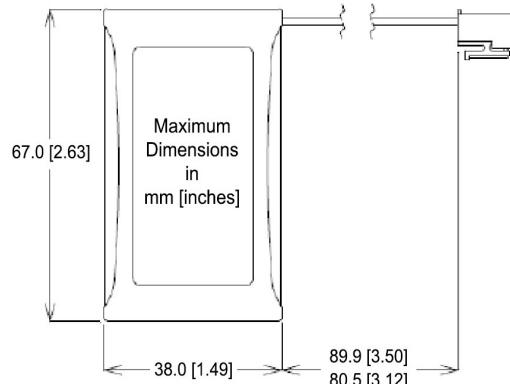
Dimensions

UBBL20-FL: Wire Leads

UBBL20-C1: Connector



UBBL20-C2: Molex Microfit



Performance Graphs

