

# UBBL20

## Technical Datasheet



### Technical Specifications

<b>Part No.</b>	UBBL20-FL, UBBL20-C1 or UBBL20-C2
<b>Voltage Range</b>	6.0 to 8.4V
<b>Average Voltage</b>	7.2V
<b>Capacity</b>	2.75Ah @ C/5 Rate @ 23°C±2°C
<b>Max. Discharge</b>	2.5A continuous
<b>PTC</b>	Rated for 2.6A Hold Current @ +20°C
<b>Energy</b>	19.8Wh
<b>Energy Density</b>	180Wh/kg, 450Wh/l
<b>Weight</b>	~100g
<b>Cycle Life</b>	> 300 cycles @ C/5 to 80% of initial capacity
<b>Memory</b>	No Memory Effect
<b>Operating Temperature</b>	-20°C to +60°C
<b>Storage Temperature</b>	-20°C to +50°C
<b>Self-Discharge</b>	< 10% per month
<b>Exterior/Housing</b>	PVC Shrink Wrap
<b>Terminals/Connector</b>	FL: 22 AWG Wire Leads Red (+), Black (-) C1: JST Connector VHR-2N C2: Molex Microfit 43030-0008
<b>Safety</b>	Material Safety Datasheet - MSDS041 Safety Guide UBM-5112
<b>Certifications</b>	IEC 62133-2:2017 Certified CB ID: BE-42320
<b>Transportation</b>	UN 3480 Dangerous Goods Class 9, Total Energy <100Wh If packed in or with equipment (UN 3481), contact Ultralife for guidance or other questions.
<b>Protection Circuit Module and Fuses</b>	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
<b>Charging</b>	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.

### 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

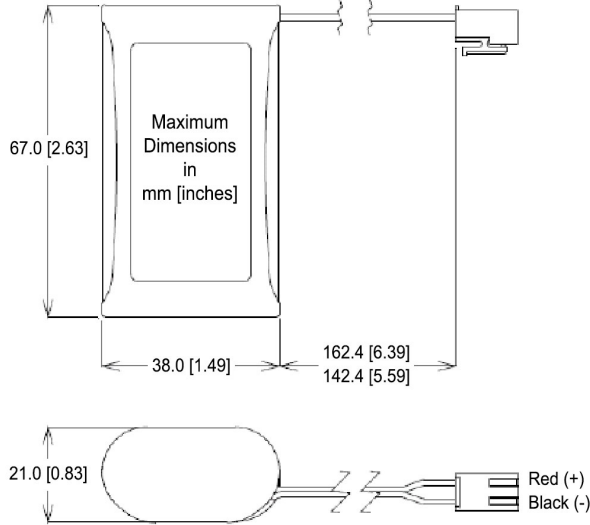
- Portable electronics
- Hand-held devices
- Medical equipment
- Back-up power

### Accessories Optional

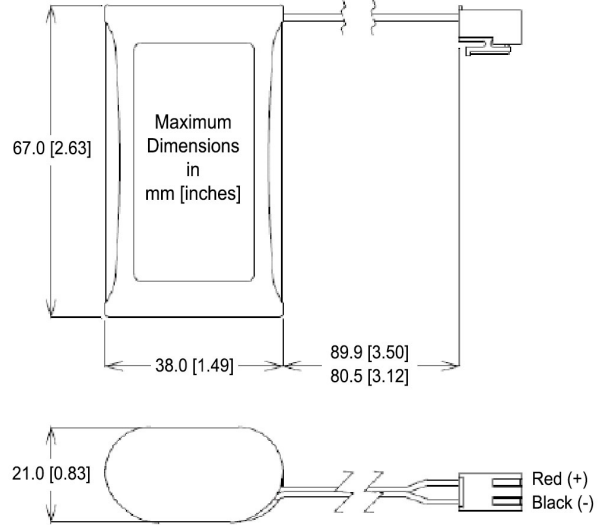
- UCH0037-S: Wall Wart charger (U.S.)
- UCH0037-I: Wall Wart charger (International)
- UCA0102-01: Interface cable for UBBL20-FL
- UCA0102-02: Interface cable for UBBL20-C1

# Dimensions

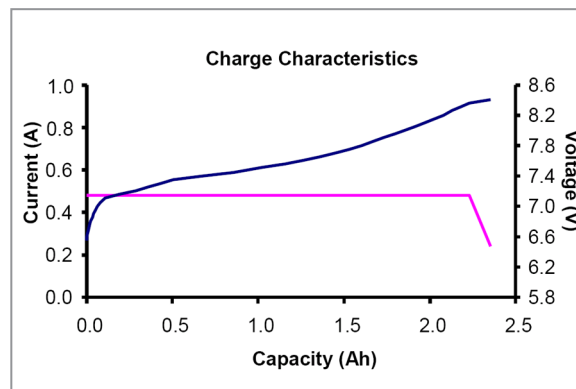
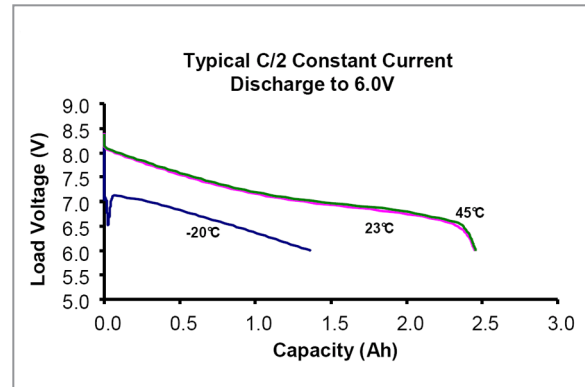
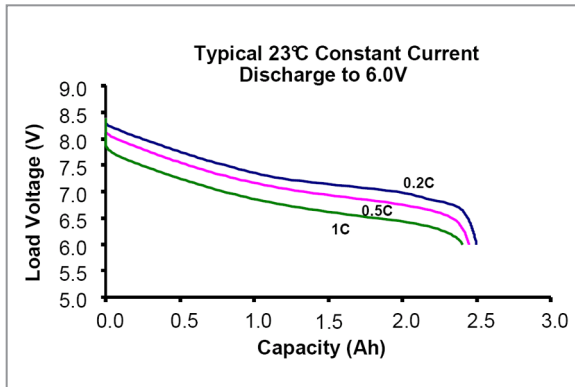
UBBL20-FL: Wire Leads  
UBBL20-C1: Connector



UBBL20-C2: Molex Microfit



# Performance Graphs



# Mouser Electronics

Authorized Distributor

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[UBBL20-C1](#) [UBBL20-FL](#)