

UBBL22

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

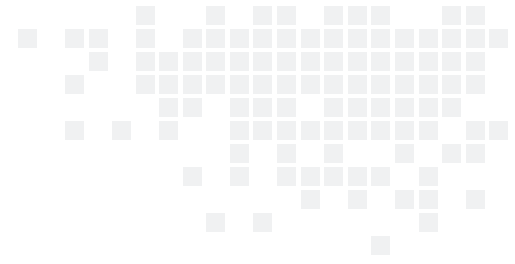
Accessories Optional

- UCH0039-S: Wall Wart charger (U.S.)
- UCH0039-I: Wall Wart charger (International)
- UCA0102-01: Interface cable for UBBL22-FL
- UCA0102-02: Interface cable for UBBL22-C1

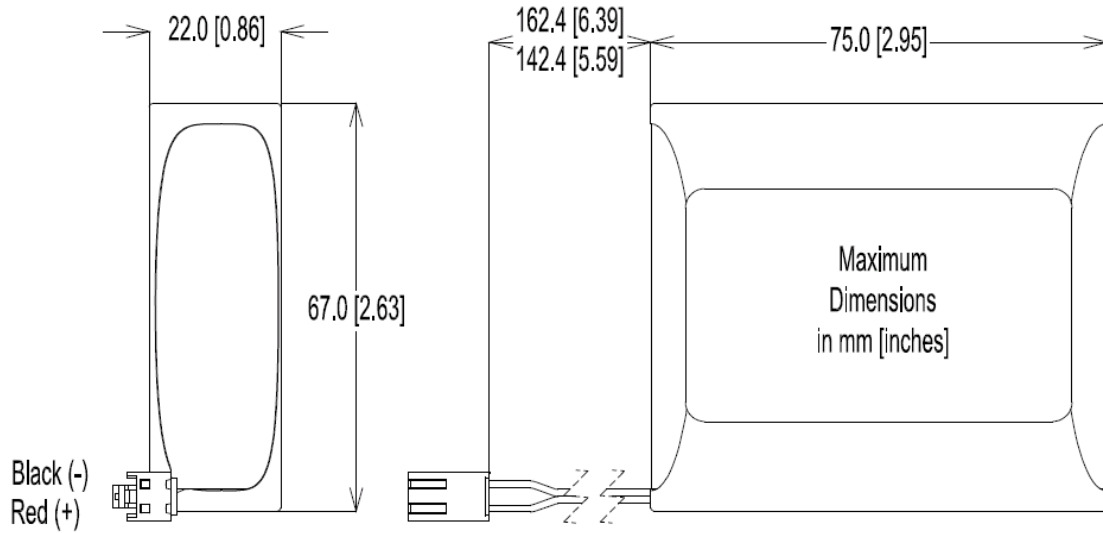
Technical Specifications

| | |
|--|---|
| Part No. | UBBL22-FL or UBBL22-C1 or UBBL22-C2-TH |
| Voltage Range | 12.0 to 16.8V |
| Average Voltage | 14.4V |
| Capacity | 2.8Ah @ C/5 Rate @ 23°C±2°C |
| Max. Discharge | 2.5A continuous |
| PTC | Rated for 2.6A Hold Current @ 20°C |
| Energy | 41.8Wh |
| Energy Density | 180Wh/kg, 432Wh/l |
| Weight | ~200g |
| 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-TH: Molex Microfit 3 pn w/Thermistor 10K |
| Certifications | IEC 62133-2:2017 Pending |
| Safety | Material Safety Datasheet - MSDS041 Safety Guide UBM-5112 |
| Transportation | Excepted from regulations for packages with gross mass of 10kg or less (see note) |
| 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: 3.6 - 6.0A |
| Charging | Recommended charge rate is 466mA to 16.8V in a temperature range of 0°C to 45°C. Hold at 16.8V until current declines to 50mA. Maximum charge rate is 1.63A @ 23°C±2°C. |
| Note | A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website. |

Dimensions



UBBL22-FL: Wire Leads
 UBBL22-C1: Connector



Performance Graphs

