

UBBL23

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

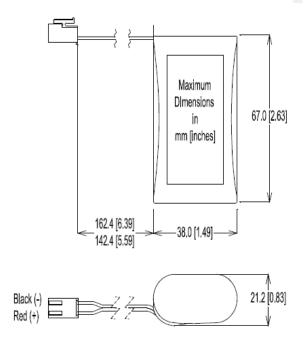
Accessories Optional

- UCH0036-S: Wall Wart charger (U.S.)
- UCH0036-I: Wall Wart charger (International)
- UCA0102-01: Interface cable for UBBL23-FL
- UCA0102-02: Interface cable for UBBL23-C1

| Technical Specifications | |
|--------------------------------------|---|
| Part No. | UBBL23-FL or UBBL23-C1 |
| Voltage Range | 3.0 to 4.2V |
| Average Voltage | 3.6V |
| Capacity | 4.8Ah @ C/5 Rate @ 23°C±2°C |
| Max. Discharge | 3.0A continuous |
| PTC | Rated for 3.8A Hold Current @ 20°C |
| Energy | 17.3Wh |
| Energy Density | 182Wh/kg, 450Wh/l |
| Weight | ~100g |
| Cycle Life | > 300 cycles @ C/5 to 80% of inital 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 |
| Safety | Material Safety Datasheet - MSDS041 Saftety Guide UBI-5112 |
| Transportation | Excepted 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: 2.50±0.1V (per cell) Over Discharge Current Limit: 3.4 - 4.5A |
| Charging | Recommended charge rate is 932mA to 4.2V in a temperature range of 0°C to 45°C. Hold at 4.2V until current declines to 100mA. Maximum charge rate is 3.0A @ 23°C±2°C. |
| Note | A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website. |

Dimensions

UBBL23-FL: Wire Leads **UBBL23-C1: Connector**



Performance Graphs

