

# UBBL24

## Technical Datasheet



### Technical Specifications

<b>Part No.</b>	UBBL24-FL or UBBL24-C1 UBBL24-FL-TH or UBBL24-C2-TH
<b>Voltage Range</b>	6.0 to 8.4V
<b>Average Voltage</b>	7.2V
<b>Capacity</b>	4.8Ah @ C/5 Rate @ 23°C±2°C
<b>Max. Discharge</b>	3.0A continuous
<b>PTC</b>	Rated for 3.8A Hold Current @ 20°C
<b>Thermistor</b>	10KΩ NTC: only for UBBL24-FL-TH and UBBL24-C2-TH
<b>Energy</b>	34.6Wh
<b>Energy Density</b>	181Wh/kg, 450Wh/l
<b>Weight</b>	~191g
<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 Connector 22-01-3037
<b>Safety</b>	Material Safety Datasheet - MSDS041 Safety Guide UBI-5112
<b>Transportation</b>	Exempted from regulations for packages with gross mass of 10kg or less (see note.)
<b>Protection</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 932mA to 8.4V in a temperature range of 0°C to 45°C. Hold at 8.4V until current declines to 100mA. Maximum charge rate is 3.0A @ 23°C±2°C.
<b>Note</b>	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

### Features

- Off-the-shelf convenience
- Wire or connector terminals
- Full circuit protection
- Thermistor wire option
- Meets all UN transportation testing
- Long cycle life
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect

### Applications

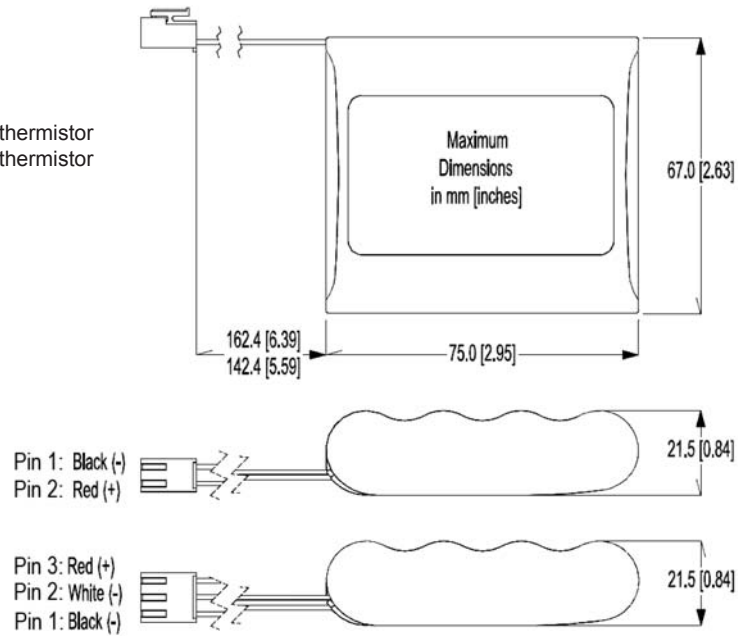
- Portable electronics
- Hand-held devices
- Medical equipment
- Back-up power

### Accessories Optional

- UCH0037-S: Wall Wart charger (U.S.)
- UCH0037-I: Wall Wart charger (International)
- UCA0102-01: Interface cable for UBBL24-FL
- UCA0102-02: Interface cable for UBBL24-C1
- UCA0102-03: Interface cable for UBBL24-C2-TH

# Dimensions

- UBBL24-FL: wire leads
- UBBL24-C1: connector
- UBBL24-FL-TH: wire leads with thermistor
- UBBL24-C2-TH: connector with thermistor



# Performance Graphs

