

UBBL24

Technical Datasheet



Technical Specifications

Part No.	UBBL24-FL or UBBL24-C1 UBBL24-FL-TH or UBBL24-C2-TH
Voltage Range	6.0 to 8.4V
Average Voltage	7.2V
Capacity	4.8Ah @ C/5 Rate @ 23°C±2°C
Max. Discharge	3.0A continuous
PTC	Rated for 3.8A Hold Current @ 20°C
Thermistor	10KΩ NTC: only for UBBL24-FL-TH and UBBL24-C2-TH
Energy	34.6Wh
Energy Density	181Wh/kg, 450Wh/l
Weight	~191g
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 Connector 22-01-3037
Safety	Material Safety Datasheet - MSDS041 Safety Guide UBI-5112
Transportation	Exempted from regulations for packages with gross mass of 10kg or less (see note.)
Protection	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 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.
Note	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

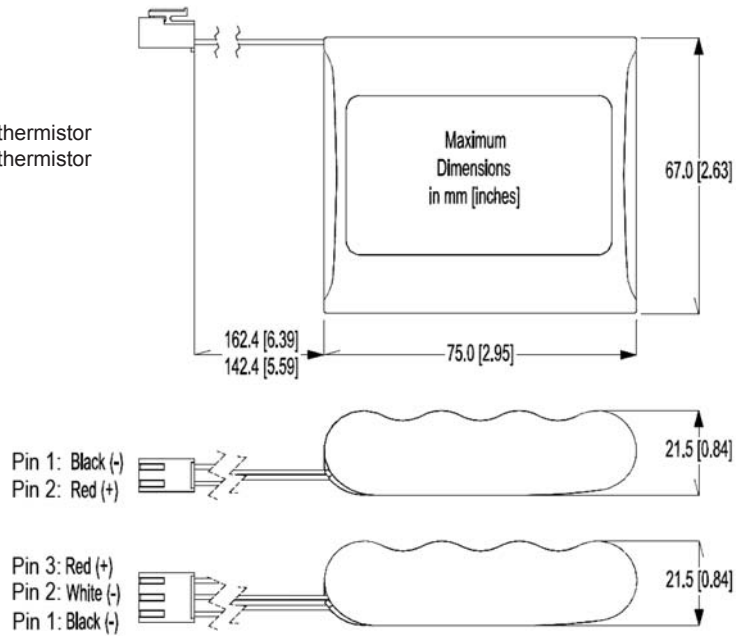
- Portable electronics
- Hand-held devices
- Medical equipment
- Back-up power

Accessories Optional

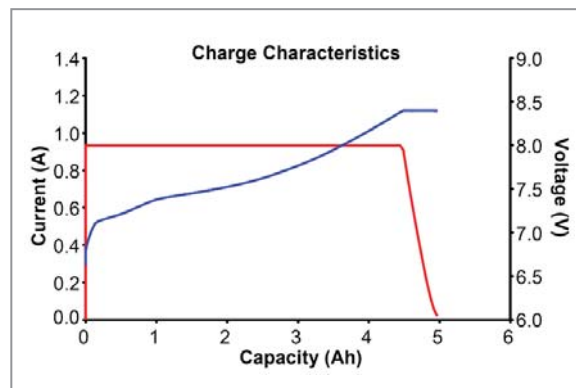
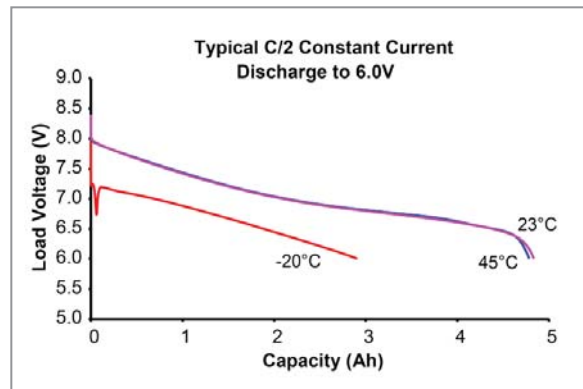
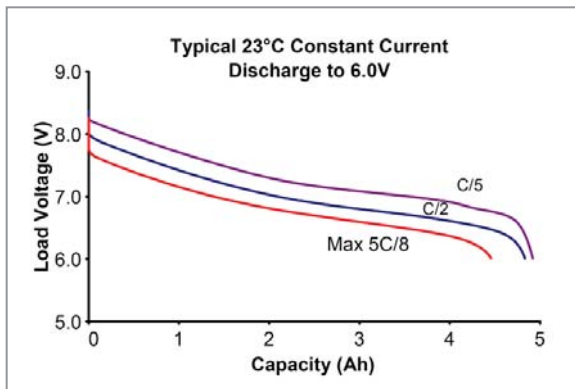
- UCH0037-S: Wall Wart charger (U.S.)
- UCH0037-I: Wall Wart charger (International)
- UCA0102-01: Interface cable for UBBL24-FL
- UCA0102-02: Interface cable for UBBL24-C1
- UCA0102-03: Interface cable for UBBL24-C2-TH

Dimensions

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



Performance Graphs



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