

UBBL23

Technical Datasheet

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Technical Specifications	
Part No.	UBBL23-FL or UBBL23-C1
Voltage Range	2.5 to 4.2V
Average Voltage	3.6V
Capacity	5.7Ah @ C/5 Rate @ 23°C±2°C
Max. Discharge	3.0A continuous
PTC	Rated for 3.8A Hold Current @ 20°C
Energy	20.5Wh
Energy Density	215.66Wh/Kg, 533Wh/l
Weight	~100g
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
Safety	Material Safety Datasheet - MSDS041 Safety Guide UBI-5112
Transportation	UN Testing Summary - UNTS-0276 Excepted from regulations for packages with gross mass of 10kg or less (consult Ultralife)
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.

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

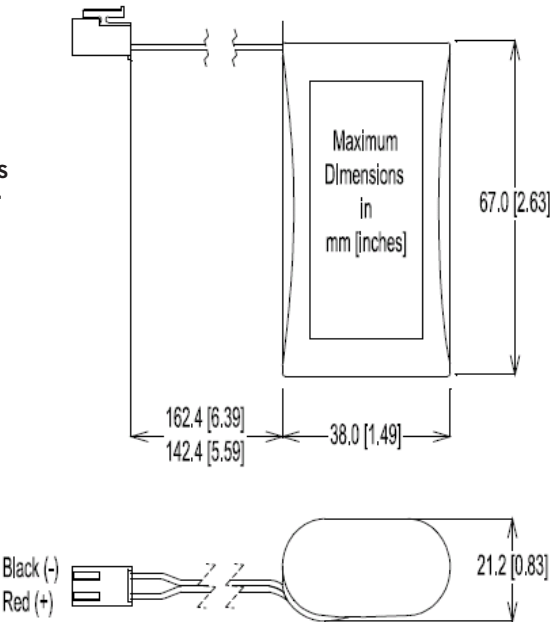
- Portable electronics
- Hand-held devices
- Medical equipment
- Back-up power

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

Dimensions

UBBL23-FL: Wire Leads
UBBL23-C1: Connector



Performance Graphs

