

UBBL21

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

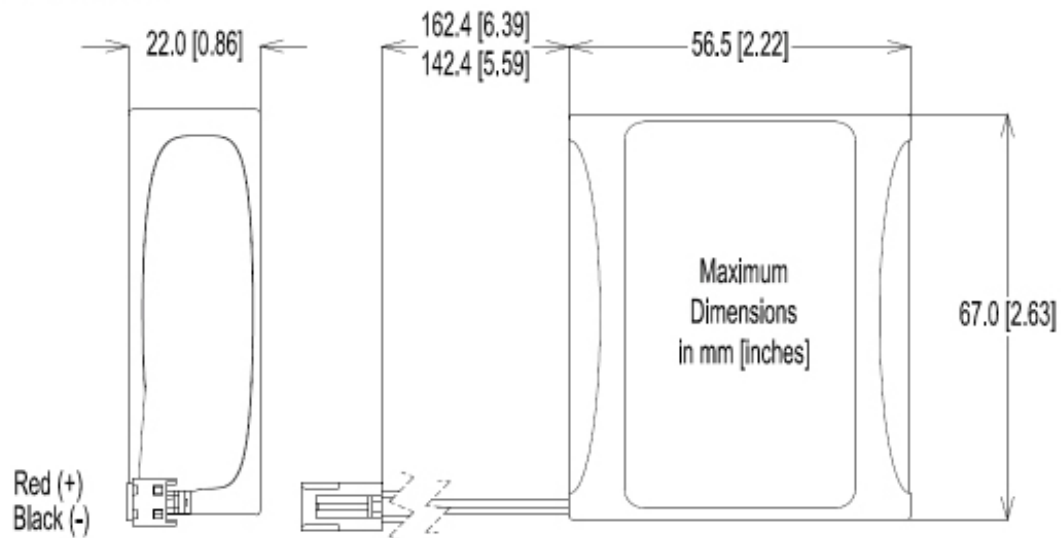
- UCH0038-S: Wall Wart charger (U.S.)
- UCH0038-I: Wall Wart charger (International)
- UCA0102-01: Interface cable for UBBL21-FL
- UCA0102-02: Interface cable for UBBL21-C1

Technical Specifications

Part No.	UBBL21-FL or UBBL21-C1
Voltage Range	9.0 to 12.6V
Average Voltage	10.8V
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	30Wh
Energy Density	199Wh/kg, 499Wh/l
Weight	~151g
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
Certifications	IEC62133:2012 Certificate # BE-34054
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 12.6V in a temperature range of 0°C to 45°C. Hold at 12.6V 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

UBBL21-FL: Wire Leads
UBBL21-C1: Connector



Performance Graphs

