

UBBL07

Technical Datasheet



Features

- Long cycle life
- High energy density
- Wide operating temperature range
- Lightweight

Applications

- Portable electronics
- Military radios
- Hand-held devices
- Medical equipment
- Unmanned vehicles
- Server back-up power

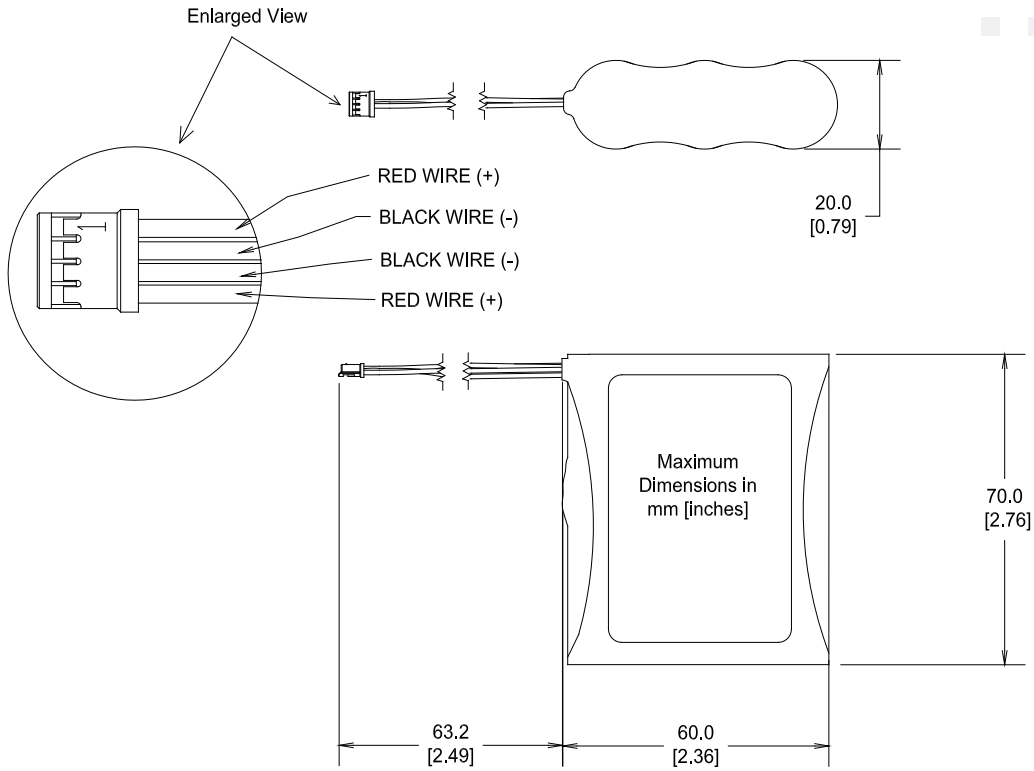
Optional Accessories

- UCH0036-S: Wall Wart charger (U.S.)
- UCH0036-I: Wall Wart charger (International)

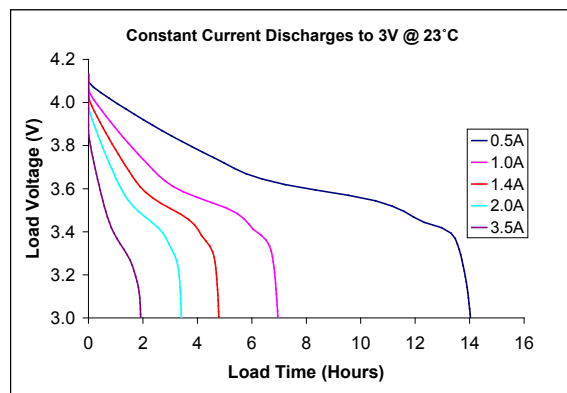
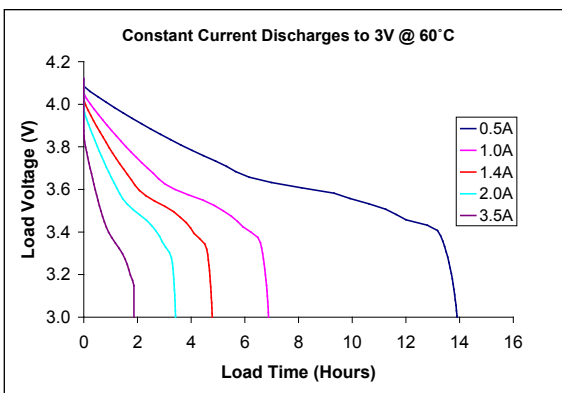
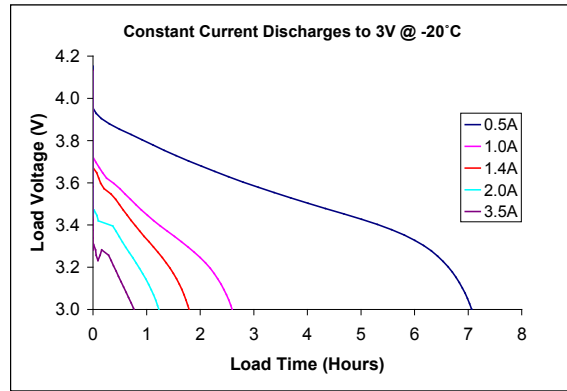
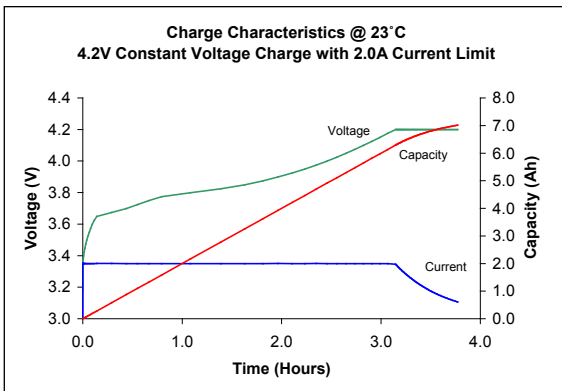
Technical Specifications

Part No.	UBBL07
NSN	6140-01-590-4132
Voltage Range	3.0 to 4.2V
Average Voltage	3.6V
Capacity	7.2Ah @C/5 Rate @ 23°C
Max. Discharge	3.5A continuous
Energy	26Wh
Energy Density	162Wh/kg, 317Wh/l
Weight	160g
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 60°C
Self-Discharge	< 10% per month
Exterior/Housing	PVC Shrink Wrap
Terminals/Connector	Wire leads: 26 AWG: Red (+), Black (-) Molex connector 87439-0400 Mates with 87437 & 87438
Safety	UL Component Recognized IEC62133 Certified Material Safety Datasheet - MSDS041 Safety Guide UBM-5112
CB ID	DK-5969-UL
Transportation	Exempted from regulations for packages with gross mass of 10kg or less (see note)
Protection	Over Voltage Limit: 4.35 ± 0.05V (per cell) Under Voltage Limit: 2.5 ± 0.1V (per cell) Over Current Protection: 2.25 - 5.0A
Charging	Maximum charge rate is 2.0A to maximum voltage 4.2V in a temperature range of 0° to 45°C. Hold at 4.2V until current declines to 610mA.
Storage	Store at 50% capacity. Every 4-6 months, cycle (full charge / full discharge) and charge the battery back to 50% before placing it back into storage.
Warning	To prevent injury or burns, do not disassemble, crush, short circuit, overheat or dispose of in fire.
Note	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

Dimensions



Performance Graphs



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