

UBP053450/PCM

Technical Datasheet



Features

- Common sizes
- Thin
- High energy density
- Wide operating temperature range
- Lightweight
- Can be assembled into packs

Applications

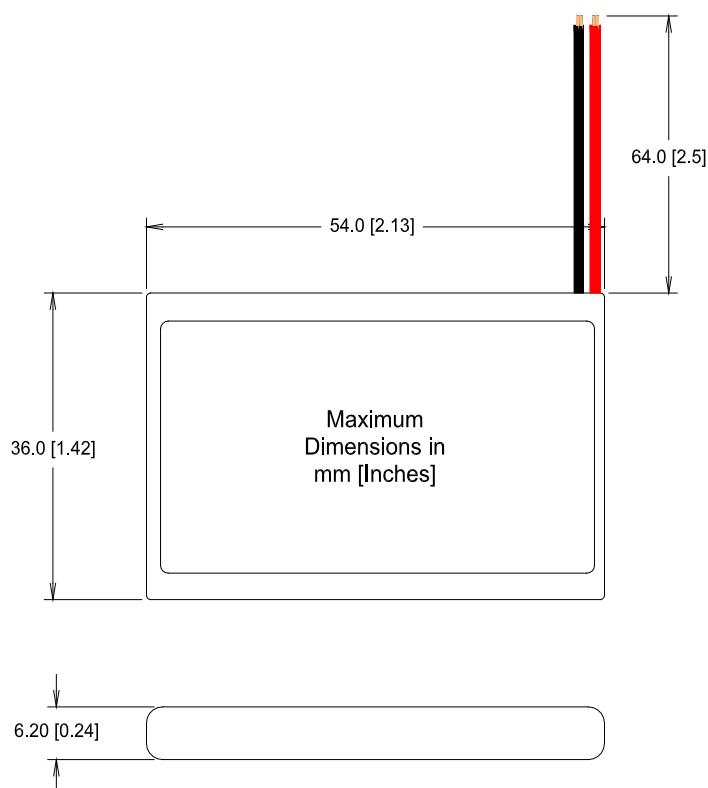
- Portable electronics
- Medical equipment
- Tracking applications

Optional Accessories

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

Technical Specifications	
Part No.	UBP002
Voltage Range	3.0 to 4.2V
Average Voltage	3.7V
Capacity	900mAh @ C/5 Rate @ +23°C
Max. Discharge	900mA continuous
PTC	Rated for 2.1A Hold Current @ +25°C
Energy	3.4Wh
Energy Density	142Wh/kg, 282Wh/l
Weight	24g
Cycle Life	> 500 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temperature	-20°C to +60°C
Storage Temperature	-20°C to +45°C
Self-Discharge	< 10% per month
Exterior/Housing	PVC Shrink Wrap
Terminals/Connector	24 AWG Wire: Red (+), Black (-)
Safety	UL Recognized Component IEC 62133-2:2017 Certified Material Safety Datasheet - MSDS041 Safety Guide UBM-5112
CB ID	NL-80703
Transportation	UN 3480 Dangerous Goods Class 9, Total Energy <100Wh If packed in or with equipment (UN 3481) contact Ultralife for guidance or other questions. UN Testing Summary - UNTS-0013
Protection	Over Voltage Limit: 4.275±0.03V (per cell) Under Voltage Limit: 2.3±0.03V (per cell) Over Current Protection: 1.8 - 3.0A
Charging	Recommended charge rate is 450mA to 4.2V in a temperature range of +5°C to +45°C. Hold at 4.2V until current declines to 90mA. Maximum charge rate is 900mA @ 20°C±5°C.
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.

Dimensions



Performance Graphs

