

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

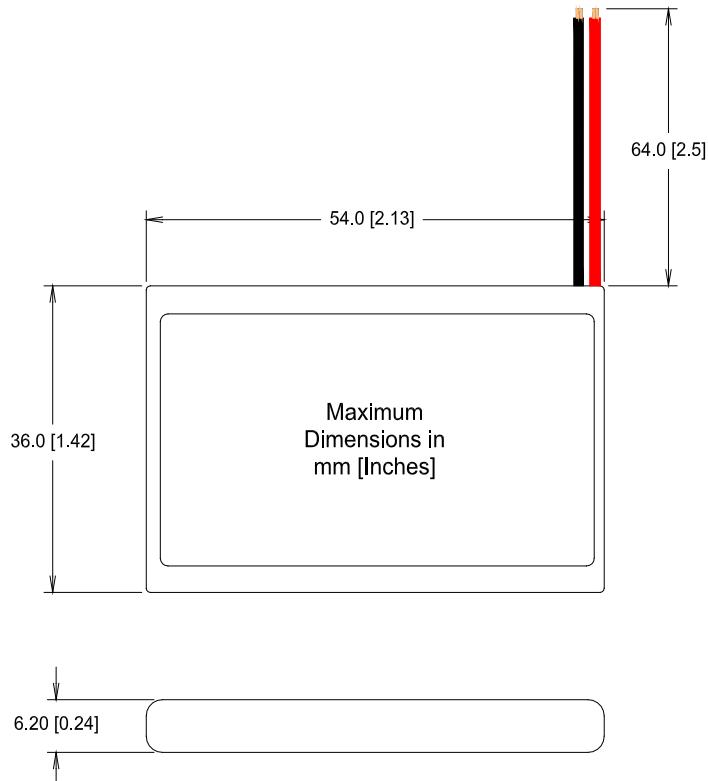
Optional Accessories

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

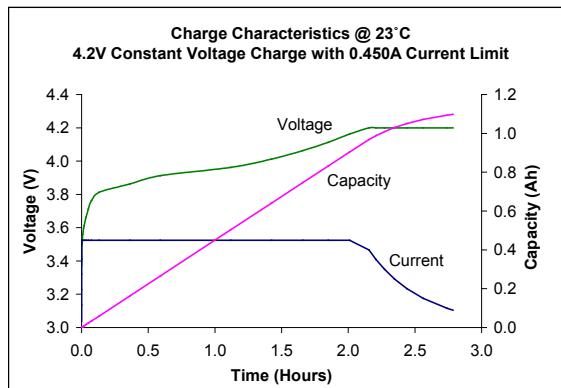
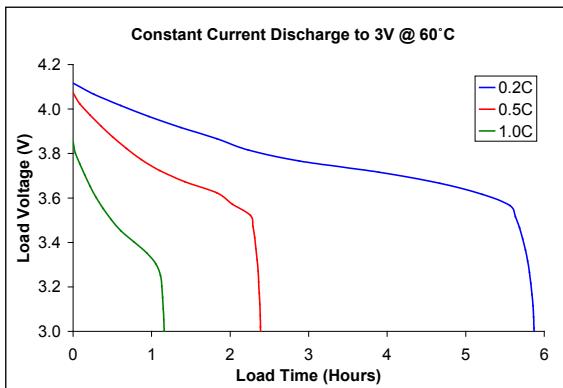
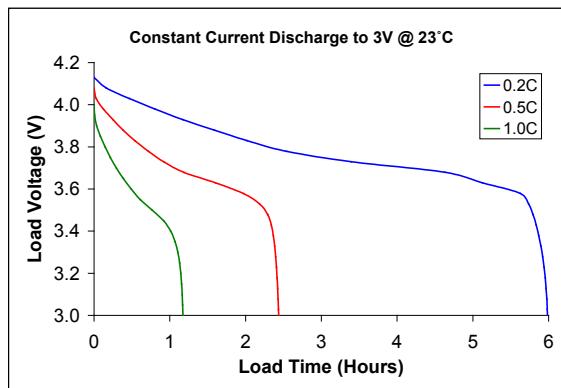
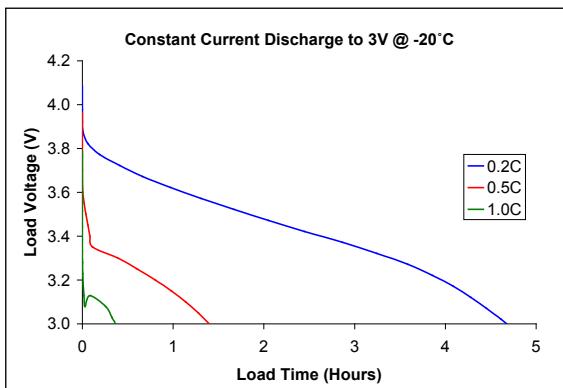
Technical Specifications

| | |
|------------------------------|---|
| 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 IEC62133 Certified Material Safety Datasheet - MSDS041 Safety Guide UBM-5112 |
| CB ID | DK-25031-UL |
| Transportation | Excepted from regulations for packages with gross mass of 10kg or less (see note) |
| 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. |
| Note | A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website. |

Dimensions



Performance Graphs



Mouser Electronics

Authorized Distributor

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[UBP002](#)