

# UBBP06

## Technical Datasheet



Technical Specifications	
<b>Part No.</b>	UBBP06-FL, UBBP06-C1, UBBP06-C2
<b>Chemistry</b>	Lithium Nickel Cobalt Aluminum (NCA)
<b>IEC Designation</b>	1INP10/34/50-2
<b>Average Voltage</b>	3.6V
<b>Nominal Capacity<sup>1</sup></b>	4.4Ah
<b>Voltage Range</b>	3.0V - 4.2V
<b>Max. Continuous Discharge</b>	2.2A
<b>Max. Pulse Discharge<sup>2</sup></b>	6 ± 1A
<b>Energy<sup>1</sup></b>	16Wh
<b>Energy Density</b>	197Wh/kg, 57Wh/l
<b>Weight</b>	Approx. 81 ± 2g (0.18lbs)
<b>Cycle Life<sup>3</sup></b>	>300 cycles
<b>Operating Temperature</b>	-20°C to 60°C discharging 0°C to 40°C charging
<b>Storage Temperature</b>	-20°C to 60°C
<b>Internal Resistance</b>	≤40mΩ
<b>Self-Discharge @ 23°C</b>	<5% per month
<b>Memory Effect</b>	None
<b>Exterior/Housing</b>	Shrink wrap, PVC
<b>Terminals/Connector</b>	-FL: Flying Leads -C1: JST-VHR-2N -C2: Hirose DF65-3S-1.7C
<b>Size</b>	Length: 71 ± 1mm (2.81in) Width: 51 ± 1mm (2.04in) Height: 10 ± 1mm (0.43in)
<b>Communications</b>	None
<b>State of Charge Indicator</b>	None
<b>Protection</b>	Overcharge: 4.32V (per cell) Over Discharge: 3.00V (per cell) Over Current: 6 ± 1A (50-99ms) Short Circuit
<b>Charging</b>	Connect the battery to a DC power source using correct polarity and apply a maximum voltage of 4.2V. Limit the current to the recommended rate of 1.75A and hold 4.2V until the current declines to 100mA. Maximum charge rate is 2.2A.
<b>Safety</b>	Material Safety Datasheet - MSDS041Refer also to Safety Guide UBM-5112
<b>Certification</b>	IEC 62133, 2nd edition CB ID: BE-7247
<b>Transportation</b>	Class 9 International and within U.S.4 Excepted when shipped by motorcar or rail within U.S.
<b>Harmonized Tariff Schedule</b>	8507.60.0000

### Features

- Thin
- High energy density
- Wide operating temperature range
- Lightweight

### Applications

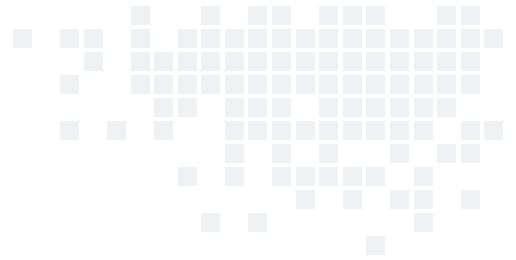
- Portable electronics
- Medical equipment
- Tracking applications

### Optional Accessories

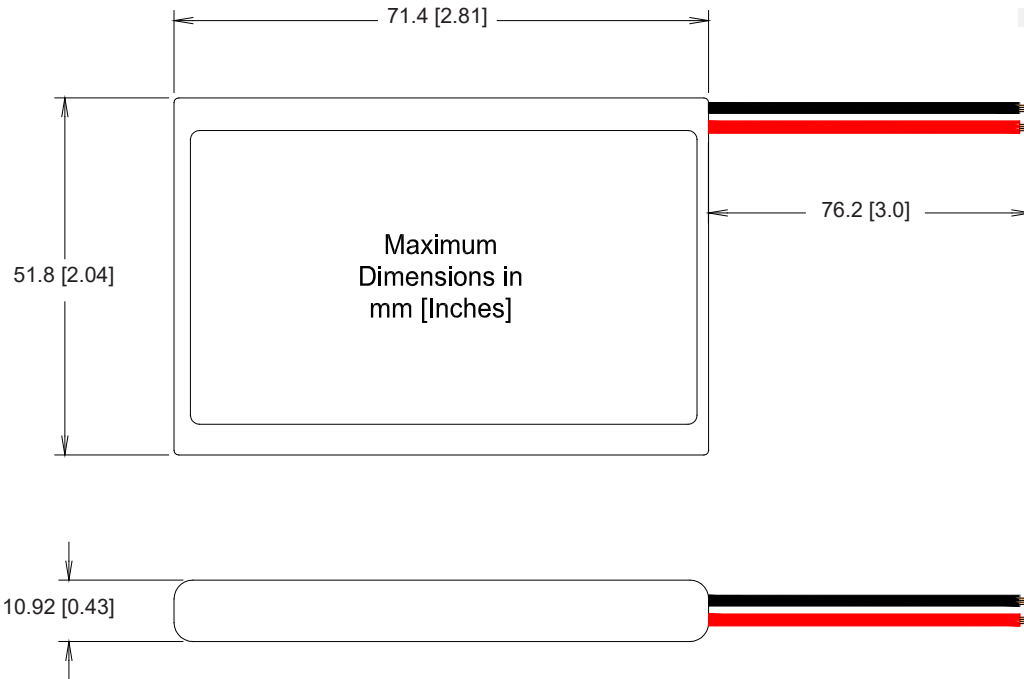
- UCH0036-S: Wall Wart charger (U.S.)
- UCH0036-I: Wall Wart charger (International)

### Notes

1. Using a C/5 discharge rate at 25°C.
2. Maximum pulse width of between 50ms and 99ms.
3. Number of consecutive C/5 rate discharges and recommended charges at 25±5°C until the battery reaches 80% of initial capacity.
4. Transportation regulations, classifications and lithium content are available on the Ultralife website



## Dimensions



	UBBP06-FL	UBBP06-C1	UBBP06-C2
<b>Connector</b>	None	VHR-2N	DF65-3S-1.7C
<b>Wire-1</b>	Red, 22 AWG	Red, 22 AWG	Red, 24 AWG
<b>Wire-2</b>	Black, 22 AWG	Black, 22 AWG	Black, 24 AWG
<b>Pinout-1</b>	Black -	Black -	Red +
<b>Pinout-2</b>	Red +	Red +	N/A
<b>Pinout-3</b>	N/A	N/A	Black -