



UBBP06

Technical Datasheet



Technical Specifications	
Part No.	UBBP06-FL, UBBP06-C1, UBBP06-C2
Chemistry	Lithium Nickel Cobalt Aluminum (NCA)
IEC Designation	1INP10/34/50-2
Average Voltage	3.6V
Nominal Capacity¹	4.4Ah
Voltage Range	3.0V - 4.2V
Max. Continuous Discharge	2.2A
Max. Pulse Discharge²	6 ± 1A
Energy¹	16Wh
Energy Density	197Wh/kg, 57Wh/l
Weight	Approx. 81 ± 2g (0.18lbs)
Cycle Life³	>300 cycles
Operating Temperature	-20°C to 60°C discharging 0°C to 40°C charging
Storage Temperature	-20°C to 60°C
Internal Resistance	≤40mΩ
Self-Discharge @ 23°C	<5% per month
Memory Effect	None
Exterior/Housing	Shrink wrap, PVC
Terminals/Connector	-FL: Flying Leads -C1: JST-VHR-2N -C2: Hirose DF65-3S-1.7C
Size	Length: 71 ± 1mm (2.81in) Width: 51 ± 1mm (2.04in) Height: 10 ± 1mm (0.43in)
Communications	None
State of Charge Indicator	None
Protection	Overcharge: 4.32V (per cell) Over Discharge: 3.00V (per cell) Over Current: 6 ± 1A (50-99ms) Short Circuit
Charging	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.
Safety	Material Safety Datasheet - MSDS041Refer also to Safety Guide UBM-5112
Certification	IEC 62133, 2nd edition CB ID: BE-7247
Transportation	Class 9 International and within U.S.4 Excepted when shipped by motorcar or rail within U.S.
Harmonized Tariff Schedule	8507.60.0000

Features

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

Applications

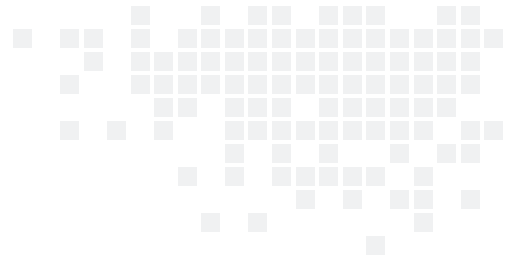
- Portable electronics
- Medical equipment
- Tracking applications

Optional Accessories

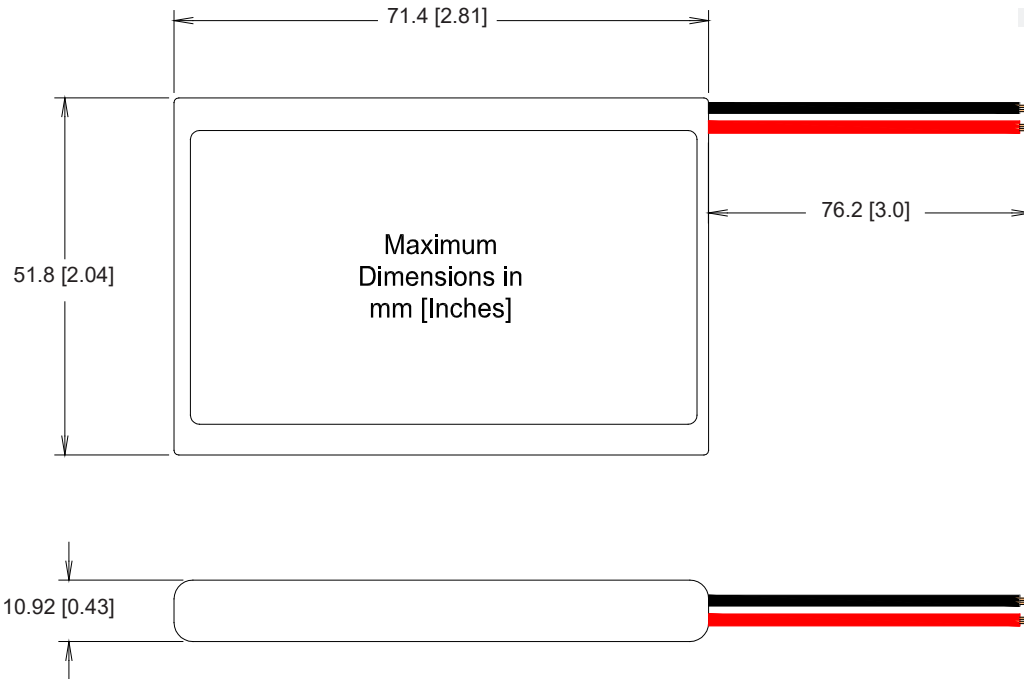
- UCH0036-S: Wall Wart charger (U.S.)
- UCH0036-I: Wall Wart charger (International)

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
Connector	None	VHR-2N	DF65-3S-1.7C
Wire-1	Red, 22 AWG	Red, 22 AWG	Red, 24 AWG
Wire-2	Black, 22 AWG	Black, 22 AWG	Black, 24 AWG
Pinout-1	Black -	Black -	Red +
Pinout-2	Red +	Red +	N/A
Pinout-3	N/A	N/A	Black -