ULTRALIFE
BATTERY & ENERGY PRODUCTS

UBBP06

Technical Datasheet - DRAFT

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)

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 Capacity[1]	4.4Ah	
Voltage Range	3.0V - 4.2V	
Max. Continuous Discharge	2.2A	
Max. Pulse Discharge[2]	6 ± 1A	
Energy[1]	16Wh	
Energy Density	197Wh/kg, 57Wh/l	
Weight	Approx. 81 ± 2g (0.18lbs)	
Cycle Life[3]	>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: -C2: -C1:	Flying Leads JST-VHR-2N Hirose DF65-3S-1.7C
Size	Length: Width: Height:	71 ± 1mm (2.81in) 51 ± 1mm (2.04in) 10 ± 1mm (0.43in)
Communications	None	
State of Charge Indicator	None	
Protection	Overcharge: Over Discharge: Over Current: Short Circuit	4.32V (per cell) 3.00V (per cell) 6 ±1A (50-99ms)
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	

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

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Dimensions