

# UBBL34: Wearable Li-ion Battery Pack

## Technical Datasheet



### Technical Specifications

Part No	UBBL34-01: no charger power supply UBBL34-02: with charger power supply
Voltage Range	12.0 to 16.8V
Average Voltage	14.4V
Capacity	5.2Ah @ C/5 Rate @ 23°±2°C
Max. Discharge	3.0A continuous
Max. Pulse Discharge	3.5A for 5 seconds
Energy	74.8Wh
Energy Density	121Wh/kg, 182Wh/l
Weight	620 grams
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity @ 100% depth of discharge
Memory	No Memory Effect
Operating Temperature	-20°C to 45°C @ 3A max
Storage Temperature	-45°C to 60°C @ 1A max Recommended: 18°C to 28°C
Self-Discharge	< 10% per month
Exterior/Housing	Plastic, Gray, UL94 V0/5 VA Rated
Connector	Input: DC Jack (Fem): 2.5mm Pin, 5.5mm ID Barrel Receiver Output: DC Jack (Fem): 2.5mm ID, 5.5mm OD Barrel Plug
Mating Connector	Input: DC Jack: 2.5mm ID, 5.5mm OD Barrel Plug Output: DC Jack (Fem): 2.5mm Pin, 5.5mm ID Barrel Receiver
State of Charge Indicator	5 Green LED's indicate the Battery SOC.
Safety	Material Safety Datasheet – MSDS041 IEC62133 Certified Safety Guide UBM-5112 UL2054 and CE approved (both pending)
Transportation	Excepted with maximum of two (2) batteries per package by air (see note)
Protection	Over Voltage Limit: 4.35V (per cell) Under Voltage Limit: 2.80V (per cell) Over Current Protection: 3.0A One-Time Thermal Fuse: Activates @ 91°+4°C
Charging	Internal Charging Circuit. Requires input of 10V to 25V DC. Max Charge Rate 2.9A. Recommended Minimum Charge Power; 30W Charging temperature: 0°C to 45°C. With power supply, battery charges in 5 hours
Note	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

### Features

- State-of-Charge display
- Built in charger, power supply required
- Velcro belt allows the user to wear the battery
- Internal charging circuit
- Common input and output connectors

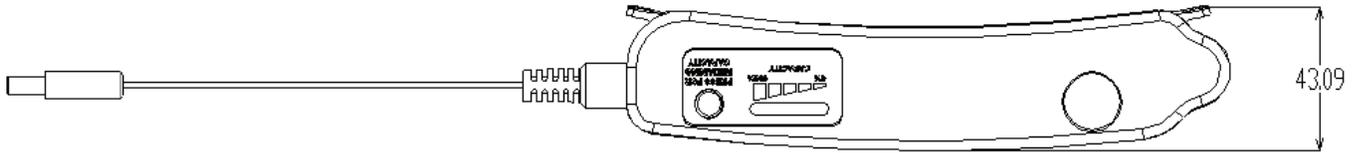
### Applications

- Portable / wearable medical applications
- Portable devices and applications requiring 12.0V to 16.8V

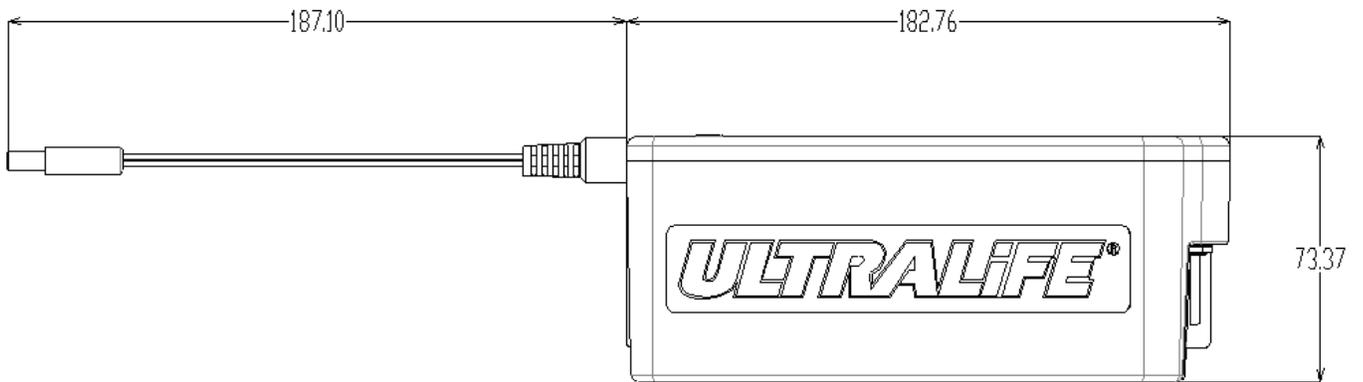
### Included Accessories

- Power supply

## Dimensions



Dimensions  
are in mm



UBBL34

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