

# ULTRALIFE<sup>®</sup>Batteries

# We. Are. Power.<sup>™</sup>

## CH0005 Commercial Desktop Charger

### The Ultralife Advantage

Better technology. Our battery & charging technologies and power systems enable us to design leading-edge solutions for the world's most demanding applications.



CH0005 commercial desktop charger for UBBL04 battery

### BENEFITS

- Specifically designed to charge Ultralife UBBL04 battery safely & efficiently
- Safety circuit protects against charging shorted packs

### FEATURES

- LED status indicator
- Contains charge control module, universal power supply, line cord and cable/connector

### APPLICATIONS

- Commercial desktop charger for UBBL04 battery

### Charger SPECIFICATIONS

Part No	CH0005
Max. Charge Rate	2.0 A
Charge Termination Voltage	8.4 V
Dimensions	92 mm (3.63 in) x 58 mm (2.27 in) x 52 mm (2.04 in)
Weight	170 g (6.0 oz.)
Exterior/Housing	ABS G1SM
Color	Black
Connector DC	2.5 mm
Polarity	Center positive
Cable	30.5 cm (24 in)
Connector	1.3 mm DGS power plug or equivalent
Storage Temp	-25° C to 70° C



### Power Supply SPECIFICATIONS

Output Voltage	24.0 VDC
Output Cable	18 AWG, 72 in. long
Output Connector	2.5 mm center positive
Input Voltage	90 – 264 VAC, 47 – 63 Hz, single phase
Input Connector	IEC-320
Dimensions	76.2 mm (3.0 in) x 43.2 mm (1.7 in) x 147.3 mm (5.8 in)
Weight	482 g (17 oz.), typical
Input Current	1.0 A max. @ 90 VAC
Inrush Current	25 A max. @ 132 VAC, cold start 50 A max. @ 264 VAC, cold start



### Line Cord SPECIFICATIONS

Country	North America
Connector AC	UL/CSA 3 prong
Connector DC	IEC-320-CS
Length	6 ft.
Conductor	3 x 18 AWG
Current	2.5 A
Voltage	125 VAC
Color	Black

### LED Status Indications:

Off	No battery detected
Green Blinking	Charging
Green Steady On	Charge complete
Red Blinking	Error: shorted terminals, invalid pack chemistry

### Description of Operation with Lithium-ION:

- A) At start-up the charger pulses at current limit until the battery pack is detected. This allows the safety circuit to wake-up and protects against charging shorted packs.
- B) When the pack is detected the current limit is set (voltage limited) and the LED flashes Green. When the current drops below limit/10 the LED is set to Green Steady On. When the current drops below 50 mA the current is turned off.
- C) Every 24 hours the current is turned on for 1 hour or until it drops below 50 mA.