

# ULTRALIFE® Batteries

We. Are. Power.™

## CH0007 9 Position Rugged Smart 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.



### SPECIFICATIONS

Part No	CH0007
Communication	SMBus spec v1.1, level 3 smart charger
Mounting	Integrated mounting rails. Heat sink on rear face
Battery Charge Voltage	16.8 V, maximum
Battery Charge Current	0.3 A – 5.0 A maximum, defined by battery SMBus settings
Conditioning Discharge Current	2.0 A, maximum
Charger Input Voltage	21.0 – 32.0 VDC (use CA0011 power cable only)
Charger Input Current	30.0 – 50.0 A DC @ 28.0 VDC
Charge Time	2.5 hours, typical @ room temp. (UBBL03)
Displays	LED at each position, VFD (vacuum fluorescent display) on control panel
Dimensions	71.8cm (27.9in) L x 31.3cm (8.4in) W x 35.5cm (14.0in) H
Weight	16.7 kg (37 lbs), excluding batteries and power cable
Color	Olive drab green, CARC (chemical agent resistant coating)
Exterior/Housing	Aluminum
Operating Temp	5° C to 45° C
Storage Temp	-32° C to 65° C
Export License	ITAR (Industry of Trade Arms Regulations) export license required to export from U.S.
Export Classification Control Code	3A001e.1.b
Harmonized Tariff Code	8507.90.80.00

Accessories	CA0011 power cord (standard – comes with charger)
*	Supports other smart batteries manufactured by Ultralife. Contact Ultralife for details.
	CH0018 AC/DC power converter (Kepeco RKW28-55K power supply) CA0029 cable to mate CH0018 with charger.

### BENEFITS

- Charge 9 batteries at once in less than 2.5 hours
- Battery & charger communicate for optimum charging efficiency, battery life and safety
- Easy battery connection – no cords or cables required
- Batteries fully contained in charger during charge cycle
- Displays feature critical status/health information
- Blind insertion

### FEATURES

- Smart charger, level 3
- SmartCircuit™ technology providing advanced solutions not available from traditional batteries and chargers
- LED display at each battery position. Fluorescent display on control panel
- CARC coating - MIL-DTL-64159
- Vibration resistant, altitude rated, humidity resistant & thermal shock per MIL-STD-810F
- MIL-STD-1275 power standard compliant
- USB connectivity available (contact Ultralife for details)

### APPLICATIONS

- Bulk charging for depot & field settings
- Rugged smart charger for UBBL03 (LI-7) battery\*

# CH0007

## 9 Position Rugged Smart Charger



The CH0007 rugged smart charger is designed to simultaneously charge 9 Ultralife UBBL03\* (Type LI-7) Lithium ION batteries in less than 2.5 hours. It is an ideal bulk charging solution for both depot and field situations (military, emergency response, etc.).

The charger utilizes smart technology in order to communicate with the battery, enabling optimum charging efficiency, calibration (if required), safety and the display of status/health information. Additionally, a calibration override switch may be used, if conditions require, to eliminate the conditioning cycle from occurring.

A fluorescent display on the control panel allows graphics and alphanumeric characters to be displayed. Several important parameters and information is displayed regarding the status of the batteries and chargers including:

- BATTERY STATUS: status codes of battery
- EST TIME TO CHG: estimated time to charge in minutes
- CHARGE %: percentage charge in battery
- CYCLE NO: number of cycles completed by battery
- CHARGER STATUS: status codes of charger

At each battery position, LED displays provide the immediate status of the battery contained in that position. A label on the inside lid characterizes each LED (e.g. charging, charge complete, calibrating, etc.)

Compliance to the MIL-STD-1275 power standard allows the charger to be powered in field situations where noise and voltage fluctuations could damage equipment. With mounting brackets integrated in the rear of the charger, it can easily mount to vehicles and/or racks.

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#### NOTES:

- \* Other smart batteries manufactured by Ultralife can be charged with this charger. Contact Ultralife for details.

