

# CH0004

## Technical Datasheet



The CH0004 is a self-contained battery charger/conditioner mounted in a ruggedized environmentally resistant case, which provides a reliable and consistent recharge of one or two batteries simultaneously. The CH0004 auto senses battery type to assure proper charge profile.

### Technical Specifications

<b>Part No.</b>	CH0004-XX (see note)
<b>NSN</b>	6130-01-559-0124
<b>AC Input</b>	115-230VAC, 50-60Hz
<b>DC Input</b>	12 to 36VDC, MIL-STD 1275
<b>Charge Rate</b>	1.0Amp per string (BB-390/590 batteries) 1.1Amps per string (BB-2590/UBI-2590 batteries)
<b>Battery Types</b>	Any combination of the following batteries: BB-390/U - Nickel Metal Hydrate (NiMH) BB-590/U - Nickel Cadmium (NiCd) BB-2590 / UBI-2590 (UBBL02) / MRC-2590 / UBBL09 / UBI-2590 SMBus (UBBL10) - Lithium-Ion (Li-ion)
<b>User Interface</b>	Battery type, charging, discharge, 90% charged
<b>Size</b>	14" L x 12" W x 6" D (35.56 x 30.48 x 15.24cm)
<b>Weight</b>	5.44Kg (12lbs) without batteries
<b>Charging Temperature</b>	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-50°C to 65°C (-58°F to 149°F)
<b>Operating Altitude</b>	27,000 ft. (8,229.6m)
<b>Storage Altitude</b>	55,000 ft. (16,764m)
<b>Humidity</b>	95% relative
<b>Accessories Included</b>	AC and DC Cables
<b>Note</b>	-01: 8ft, US-NEMA 5-20P -02: 8ft, AS/NZS 3112* -03: 8ft, UK-BS1363* -04: 6ft, EU-SCUKO CEE 7/7 - Low Pro  *A/C cable will not fit inside case, cable is packaged separately

## Features

### Unattended Charging

- Smart charge modules that detect open or shorted cells. If a defective cell is detected the CH0004 will not start charge cycle
- No programming or special instruction set to achieve safe and complete recharge of battery
- In no event will a battery be overcharged using the smart charging techniques of the CH0004

### Wide Range Input Voltage

- Allows operation from nearly any AC or DC power source likely to be encountered worldwide. Contact Ultralife for alternative AC and DC cable configurations.

### Conditioning Cycle

- Automatic discharge/recharge function included. The conditioning cycle can be activated individually per battery at operator's option

### Recharge Each String of Cells

- To assure a positive recharge of the battery each individual string of cells in the battery is recharged independently

### CE Mark Approval

- CH0004 has approval for CE Mark