

# CH0003

## Technical Datasheet



The CH0003 is a self-contained battery charger / conditioner mounted in a ruggedized environmentally resistant case, which provides a reliable and consistent recharge of up to six batteries simultaneously. The CH0003 auto senses battery type to assure proper charge profile.

### Features

#### Unattended Charging

- Smart charge modules that detect open or shorted cells. If a defective cell is detected the CH0003 will not start charge cycle
- Once charge is completed the CH0003 will maintain the battery being charged with a trickle charge if battery is left connected
- In no event will a battery be overcharged using the smart charging techniques of the CH0003

#### Wide Range Input Voltage

- Allows operation from nearly any AC or DC power source likely to be encountered worldwide

#### 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

- CH0003 has approval for CE Mark

| Technical Specifications |   |
|--------------------------|---|
| Part No.                 | CH0003  |
| NSN                      | 6130-01-683-7848  |
| AC Input                 | 115-230VAC, 50-60Hz   |
| DC Input                 | 12 to 36VDC, MIL-STD 1275   |
| Charge Rate              | 1.0Amp per string (BB-390/590 batteries)<br>1.1Amps per string (BB-2590/UBI-2590 batteries)   |
| Battery Types            | Any combination of the following batteries:<br>BB-390/U - Nickel Metal Hydrate (NiMH)<br>BB-590/U - Nickel Cadmium (NiCd)<br>BB-2590 / UBI-2590 (UBBL02) / MRC-2590 /<br>UBBL09 / UBI-2590 SMBus (UBBL10) -<br>Lithium-Ion (Li-ion) |
| User Interface           | Steady LED - Fast Charge<br>Flashing LED - Trickle Charge<br>No LED - Charge Complete   |
| Size                     | 60.96cm (24in) x 50.8cm (20in) x 21.59cm (9in)  |
| Weight                   | 11.34Kg (25lbs) without batteries   |
| Charging Temperature     | 0°C to 45°C (32°F to 113°F)   |
| Storage Temperature      | -50°C to 65°C (-58°F to 149°F)  |
| Operating Altitude       | 27,000 ft. (8,229.6m)   |
| Storage Altitude         | 55,000 ft. (16,764m)  |
| Humidity                 | 95% relative  |
| Note                     | -01: 8ft, US-NEMA 5-20P<br>-02: 8ft, AS/NZS 3112*<br>-03: 8ft, UK-BS1363*<br>-04: 6ft, EU-SCUKO CEE 7/7 - Low Pro<br>*A/C cable will not fit inside case, cable is packaged separately  |