

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

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|-----------------------------|---|
| Part No. | CH0004 |
| NSN | 6130-01-559-0124 |
| AC Input | 115-230VAC, 50-60Hz |
| DC Input | 12 to 36VDC, MIL-STD 1275 |
| Charge Rate | 1.0Amp per string (BB-390/590 batteries) 1.1Amps per string (BB-2590/UBI-2590 batteries) |
| Battery Types | 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) |
| User Interface | Battery type, charging, discharge, 90% charged |
| Size | 14" L x 12" W x 6" D (35.56 x 30.48 x 15.24cm) |
| Weight | 5.44Kg (12lbs) 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 |
| Accessories Included | AC and DC Cables |

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

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