

CH0004

2-Bay Battery Charger/Conditioner 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.

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

SPECIFICATIONS

Part No	CH0004
NSN	6130-01-559-0124
DC Input Range	12 to 36 VDC, MIL-STD 1275
AC Input Range	115-230 VAC, 50 to 60 Hz
Charge Rate	1.0 Amp per String (BB-390 / 590 Batteries) 1.1 Amps per String (BB-2590 / UBI-2590 Batteries)
LED Indicators	Battery Type, Charging, Discharge, 90% Charged
Size	14" L x 12" W x 6" D (35.56 x 30.48 x 15.24 cm)
Weight	12 lbs. (5.44 Kg) without batteries
Charging Temp	0°C to 45°C (32°F to 113°F)
Storage Temp	-50°C to 65°C (-58°F to 149°F)
Storage Altitude	27,000 ft (8,229.6 m)
Operating Altitude	55,000 ft (16,764 m)
Humidity	95% relative
Accessories Included	AC and DC Cables

Any combination of the following batteries can be recharged:

BB-390/U – Nickel Metal Hydride (NiMH)
BB-590/U – Nickel Cadmium (NiCd)
BB-2590 / UBI-2590 (UBBL02) / MRC-2590 / UBBL09 / UBI-2590
SMBus (UBBL10) – Lithium-Ion (Li-ion)

Conditioning Cycle

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

Recharges 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

- The CH0004 has approval for CE Mark.