

## CH0003

### 6-Bay Battery Charger/Conditioner 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 to the CH0003
- 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

#### SPECIFICATIONS

Part No	CH0003
NSN	6130-01-499-7305
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)
Indicators	Steady LED – Fast Charge Flashing LED – Trickle Charge No LED – Charge Complete
Size	24" L x 20" W x 9" D (60.96 x 50.8 x 21.59 cm)
Weight	25 lbs. (11.34 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

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 CH0003 has approval for CE Mark.