

## CH0004 2-Bay Battery Charger/Conditioner



### Specifications:

Dc Input Range:	12 to 36 VDC Mil-std-1275
Ac Input Range:	95-260 VAC 47 to 440 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:	14 in. L x 12 in W x 6 in. D (35.56 x 30.48 x 15.24 cm)
Weight:	12 lbs (5.44 Kg) w/o 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)
Operating Altitude:	27,000 ft (8,229.6 m)
Storage Altitude:	55,000 ft (16,764 m)
Humidity:	95% Relative

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.

Any combination of the following batteries can be recharged:

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

### 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
- CH0004 shipped with AC and DC input cables

### 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

### RECHARGES EACH STRING OF CELLS

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