

BCA1501-110-24 Battery Charger

- Inrush current limiting with solid state bypass
- Ultra-quiet low EMI operation (Meets MIL461E)
- Visual indicator for output on
- Over-temperature shutdown
- Short circuit protection
- Thermostatically controlled fan
- Output overvoltage crowbar
- Current limiting
- Field Convertible to 220V Input



(Not exactly as shown. Model described has mounting flanges, no carrying handle, and cooling vents in both ends as well as a cooling fan at rear)

Specifications

Input Voltages

Nominal (ip)	110 VAC	220 VAC
Actual	105 – 125 VAC	210 – 250 VAC
Input Amps (max)	14.6	7.3
Input Frequency	45 - 65 Hz	

Output Voltage

Nominal (op)	24 VDC
Actual	27.2 ± 0.05 VDC
Output Adjustment	± 0.50 VDC
Charging Amps (cont)	50
Output Crowbar	32.0 ± 1.0 V

General

Noise on Input	< 50 milli-Volts
Noise on Output	< 50 milli-Volts
Transient Response	< 1 V for 50% surge
Efficiency	> 80 % @ maximum output
Temp. Range	-25 to +50 deg. C @ maximum output
Isolation	Input-Output & Input-Case 1500VDC Output-Case 500VDC
Safety	UL458 & CSA 22.2.107.1 pending
EMC	Meets MIL461E
Vibration	Meets MIL-PRF-44485
Isolation	Input-Output & Input-Case 1500VDC; Output-Case 500VDC
Length	17.0 in / 43.2 cm
Width	8.2 in / 20.8 cm
Height	3.5 in / 8.9 cm (without carrying handle)
Clearance	1 Inch (2.5 cm) all around
Material	Marine Grade Aluminum
Finish	Clear Chromate
Fastenings	18-8 Stainless
Weight	14.4 lb / 6.6 kg