

# BCW Series NiCd/NiMH Fast Chargers

- Universal Input 100 to 250VAC
- Optimizes Battery Life with Microcontroller (BQ2003)
- Charges NiCd/NiMH 5 - 11 cell Batteries
- Polycarbonate Enclosure Desktop Style
- LED Indicators
- Meets Safety Agency Requirements
- Complies with EMI/RFI Regulations
- Private Label Marking Available
- Modified and Custom Designs Also Available



Model	Number of Cells	Normal Charge Voltage [V]	Fast Charge Current [A]	Float Charge Current [A]	Time Shut Off Hours [W]
BCW-X1-05-AAA-XXXXX	5	7.50	0.6 - 1.5	1.5 - 9.0	1.5 - 6.0
BCW-X1-06-AAA-XXXXX	6	9.00	0.6 - 1.5	1.5 - 8.0	1.5 - 6.0
BCW-X1-07-AAA-XXXXX	7	10.50	0.6 - 1.5	1.5 - 8.0	1.5 - 6.0
BCW-X1-08-AAA-XXXXX	8	12.00	0.6 - 1.5	1.5 - 8.1	1.5 - 6.0
BCW-X1-09-AAA-XXXXX	9	13.50	0.6 - 1.5	1.5 - 8.2	1.5 - 6.0
BCW-X1-10-AAA-XXXXX	10	15.00	0.6 - 1.5	1.5 - 8.3	1.5 - 6.0
BCW-X1-11-AAA-XXXXX	11	16.50	0.6 - 1.5	1.5 - 8.4	1.5 - 6.0

X1 : Time Shut Off-Hours (1=NiCd1.5hr, 2=NiCd 3hr, 3=NiCd 6hr, 5=NiMH 1.5hr, 6=NiMH 3hr,

AAA : Fast Charge Current (060=0.6A, 080=0.8A, 100=1.0A, 120=1.2A, 150=1.5A)

### Input Specification

Input Voltage Range	100 to 250VAC -10%, +6%
Line Frequency	47 to 63 Hz
Input Current	0.625Amax at 120VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

### Environmental Specification

Operating Temperature	0°C to 40°C with no derating
Relative Humidity	5% to 95% non-condensing
Altitude	0 - 10,000 feet
Cooling	Convectional - Non vented case

### Output Specification

Battery Type	NiCd/NiMH 5-11 Cells
Charging Method	Constant Current
Threshold Voltage	1.0V +/-0.2V / Cell
Normal Charge Voltage	>1.5V / Cell
Fast Charge Voltage	0.6 - 1.5A
Mornitoring Fully Charge	-ΔV, 0ΔV, Vmax ... etc
Protection	Over-current Protection (Hiccup) Short Circuit Protection
LED Indicators	Fast Charge : ON Float Charge : Blinking

### General Specification

Topology	Switching - Battery Charger
Leakage Current	Less than 250uA
Dielectric Withstand	4,242VDC Primary - Secondary 1,500VAC or 2,150VDC Primary - F.G 500VDC Secondary - F.G
Storage Temperature	-30 °C to 85 °C
Hold-up Time	16ms min. @115VAC
MTBF	61,000 Calculated Hours Minimum.
Approvals and Safety Standards	UL60950-1, IEC/EN60950-1, K60950/K60335-1,2 EMC : EN55022/55024/61000
Case and Dimension	LP7-Desktop 129(L) x 77(W) x 40(H) [mm] 5.8(L) x 3.05(W) x 1.59(H) [in]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	2 Conductor, 18AWG Other cable and connectors are available.

### Input Configuration



IEC320  
C14 (F)

Specify the input configuration Code in your Order.

### Part Number Key

BCW	5	7	150	03	01	K
Family Related	Type and Timer	Number of Cells	Charge Constant Current	Standard Output Cord Options	Custom (marking,cord,etc)	Design No.



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B9