

JBN730 Series NiCd/NiMH Fast Chargers

- Universal Input 100 to 240VAC
- Optimizes Battery Life with Microcontroller
- Charges NiCd/NiMH 3 - 12 cell Batteries
- Polycarbonate Enclosure Desktop Style
- Dual Color 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]	Trickle Charge Current [A]	Safety Maximum Time [hr]
JBN730-A5-003-AAA-XXXXX	3	4.50	0.6 - 2.2	0.1 - 0.2	1.5 - 8.0
JBN730-A5-004-AAA-XXXXX	4	6.00	0.6 - 2.2	0.1 - 0.2	1.5 - 8.0
JBN730-A5-005-AAA-XXXXX	5	7.50	0.6 - 2.2	0.1 - 0.2	1.5 - 8.0
JBN730-A5-006-AAA-XXXXX	6	9.00	0.6 - 2.2	0.1 - 0.2	1.5 - 8.0
JBN730-A5-007-AAA-XXXXX	7	10.50	0.6 - 2.0	0.1 - 0.2	1.5 - 8.0
JBN730-A5-008-AAA-XXXXX	8	12.00	0.6 - 1.8	0.1 - 0.2	1.5 - 8.0
JBN730-A5-009-AAA-XXXXX	9	13.50	0.6 - 1.5	0.1 - 0.2	1.5 - 8.0
JBN730-A5-010-AAA-XXXXX	10	15.00	0.6 - 1.5	0.1 - 0.2	1.5 - 8.0
JBN730-A5-011-AAA-XXXXX	11	16.50	0.6 - 1.2	0.1 - 0.2	1.5 - 8.0
JBN730-A5-012-AAA-XXXXX	12	18.00	0.6 - 1.0	0.1 - 0.2	1.5 - 8.0

AAA : Fast Charge Current (080=0.8A, 100=1.0A, 150=1.5A, 180=1.8A, 200=2.0A, 220=2.2A ...)

Input Specification	
Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	1.0Amax at 110VAC 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 3-12 Cells
Charging Method	Constant Current
Threshold Voltage	1.0V +/-10%
Normal Charge Voltage	>1.5V / Cell
Fast Charge Voltage	0.6 - 2.2A
Monitoring Fully Charge	-ΔV, 0ΔV, Vmax, Tmax, ΔT/Δt (Option - NTC)
Protection	Over-current Protection (Hiccup) Short Circuit Protection
LED Indicators	Red : Charging Green : Fully Charge

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	JEC#18 Desktop
	114(L) x 60(W) x 35(H) [mm] 4.49(L) x 2.36(W) x 1.38(H) [in]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	Without thermistor 2 Conductor, 18AWG
	With thermistor 3 Conductor, 20AWG
	Other cable and connectors are available.

Input Configuration	
IEC320	
C14 (F)	

Specify the input configuration Code in your Order.

Part Number Key						
JBN	730A5	006	220	02	K	01
Type	Family Related Design	Number of Cells	Charge Constant Current	Standard Output Cord Options	Design No.	Custom (Markings, Cord Etc)

