

JBL745-2 Series Sealed Lead Acid Fast Chargers

- Universal Input 100 to 240VAC
- Polycarbonate Enclosure Desktop Style
- Optimizes Battery Life
- Charges Lead Acid Battery
- LED Indicators
- Meets Safety Agency Requirements
- Complies with EMI/RFI Regulations
- Private Label Marking Available
- Modified and Custom Designs Also Available



Model	Battery Voltage [V]	Fast Charge Current [A]	Over Current [A]	Fast Charge Voltage [V]	Float Charge Voltage [V]	Maximum Watts [W]
JBL745-2-06-500-XXXXXX	6	5.00	###	7.35	6.90	26.00
JBL745-2-12-330-XXXXXX	12	2.50	###	14.70	13.80	29.00
JBL745-2-24-250-XXXXXX	24	1.50	###	29.40	27.60	32.00

Input Specification	
Input Voltage Range	100 to 240VAC +/-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	Lead Acid 6V/12V/24V
Charging Method	Constant Current and Constant Voltage
Threshold Voltage	>1.75V / Cell
Cycle Charge Voltage	2.45V +/-0.2V / Cell (as measure at PCB output)
Float Charge Voltage	2.30V +/-0.2V / Cell (as measure at PCB output)
Protection	Over-current Protection (Hiccup) Short Circuit Protection
LED Indicator	RED : Charging GREEN : Fully Charge

General Specification	
Topology	Switching - Battery Charger
Leakage Current	Less than 250uA
Dielectric Withstand	4,250VDC 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#21 - Desktop 150(L) x 65(W) x 35(H) [mm] 5.9(L) x 2.56(W) x 1.38(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								
<u>JBL</u>	<u>745</u>	<u>2</u>	<u>16</u>	<u>250</u>	<u>51</u>	<u>02</u>	<u>F</u>	<u>K</u>
Type	Family Related Design	Battery Type	Charge Constant Voltage	Charge Constant Current	Custom (marking, cord, etc)	Standard Output Cord Options	Standard Input Cord Options	Design No.

