

# BVL Series Sealed Lead Acid Fast Chargers

- Universal Input 100 to 250VAC
- 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]
BVL-06-100-XXXXX	6	1.00	0.0	7.35	6.90	7.35
BVL-06-200-XXXXX	6	2.00	0.1	7.35	6.90	14.70
BVL-12-060-XXXXX	12	0.60	0.0	14.70	13.80	8.82
BVL-12-120-XXXXX	12	1.20	0.1	14.70	13.80	17.64
BVL-24-030-XXXXX	24	0.30	0.0	29.40	27.60	8.82
BVL-24-060-XXXXX	24	0.60	0.17 - 0.08	29.40	27.60	17.64

Input Specification	
Input Voltage Range	100 to 250VAC -10%, +6%
Line Frequency	47 to 63 Hz
Input Current	0.8A - 0.35A (Lower current with higher voltage)
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	7.35V / 14.7V / 29.4V
Float Charge Voltage	6.9V / 13.8V / 27.6V
Protection	Over-current Protection (Hiccup) Short Circuit Protection
LED Indicator #1 (Green)	ON : Unit Energized OFF : Unit De-Energized
LED Indicator #2 (Amber)	ON : Battery Discharged OFF : Battery Charged

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	LP6 - Desktop 104(L) x 66(W) x 37(H) [mm] 4.20(L) x 2.60(W) x 1.46(H) [in]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	2 Conductor, 18AWG, AULT#3 Connector. Other cable and connectors are available.

Input Configuration	
	IEC320 C14 (F)

Specify the input configuration Code in your Order.

Part Number Key					
<u>B</u> V <u>L</u>	<u>6</u>	<u>120</u>	<u>01</u>	<u>03</u>	<u>K</u>
Family Related Design	Battery Charge Voltage	Charge Constant Current	Miscellaneous	Standard Output Cord Option	Design No.

