

# BL607 Series Li-ion/Polymer Fast Chargers

- 100-250 Vac Universal Input
- Polycarbonate Enclosure Desktop Style
- Optimizes Li-ion/Polymer Battery Life
- Automatic Constant Current & Constant Voltage
- 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	Fast Charge Voltage [V]	Fast Charge Current [A]	Cut-off Current [A]	Maximum Watts [W]
BL607-04-010-XXXXXX	1	4.20	1.00	0.10	4.20
BL607-08-008-XXXXXX	2	8.40	0.80	0.08	6.72

## Input Specification

Input Voltage Range	100 to 250VAC -10%, +6%
Line Frequency	47 to 63 Hz
Input Current	0.4A max. at 110VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

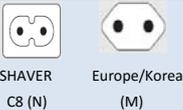
## Output Specification

Battery Type	Lithium Ion/Polymer
Charging Method	Constant Current and Constant Voltage
Fsat Charge Voltage	4.2V +/-0.03V / Cell
Threshold Voltage	2.5V +/-0.03V / Cell
Protection	Over-current Protection (Hiccup) Short Circuit Protection
LED Indicators	Red : Charging Green : Fully Charge

## 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	Convictional - Non vented case

## Input Configuration



Specify the input configuration Code in your Order.

## General Specification

Topology	Switching - Battery Charger
Leakage Current	Less than 250uA
Dielectric Withstand	4,242VDC Primary - Secondary
Storage Temperature	-30 °C to 85 °C
Hold-up Time	16ms min. @115VAC
MTBF	61,000 Calculated Hours Minimum.
Approvals and Safety	UL60950-1, IEC/EN60950-1,
Standards	K60950/K60335-1,2 EMC : EN55022/55024/61000
Case and Dimension	LP4N 95(L) x 54(W) x 32(H) [mm] 3.74(L) x 2.13(W) x 1.26(H) [in]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	2 Conductor, 18AWG Other cable and connectors are available.

## Part Number Key

BL	607	08	008	51	03	E	K
Type	Family Related Design	Charge Constant Voltage	Charge Constant Current	Miscellan	Standard Output Cord Options	Standard Input Cord Options	Design No.