

BPL910S Series Li-ion/Polymer Fast Chargers

- 100-240 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]
BPL910-S-04-X-XX	1	4.20	1.50	0.15	6.30
BPL910-S-08-X-XX	2	8.40	1.50	0.15	12.60
BPL910-S-12-X-XX	3	12.60	1.20	0.12	15.12
BPL910-S-16-X-XX	4	16.80	1.00	0.10	16.80

Input Specification

Input Voltage Range	100 to 250VAC -10%, +6%
Line Frequency	47 to 63 Hz
Input Current	0.8Amax 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	Convectional - Non vented case

Input Configuration



IEC320 IEC320
C14 (F) C8 (N)

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 Standards	UL60950-1, IEC/EN60950-1, 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, 20AWG Other cable and connectors are available.

Part Number Key

<u>B</u> PL910	<u>S</u>	<u>0</u> 4	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number