

BPL150S Series Li-ion/Polymer Fast Chargers

- Universal Input 100 to 240VAC
- 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]
BPL150-S-08-F-XX	2	8.40	12.00	1.20+/-10%	100.80
BPL150-S-12-F-XX	3	12.60	10.00	1.00+/-10%	126.00
BPL150-S-16-F-XX	4	16.80	8.00	0.80+/-10%	134.40
BPL150-S-21-F-XX	5	21.00	7.00	0.70+/-10%	147.00
BPL150-S-25-F-XX	6	25.20	6.00	0.60+/-10%	151.20
BPL150-S-29-F-XX	7	29.40	5.00	0.50+/-10%	147.00
BPL150-S-42-F-XX	10	42.00	3.50	0.35+/-10%	147.00

Input Specification

Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	3.0Amax at 90VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

Output Specification

Battery Type	Lithium Ion/Polymer
Charging Method	Constant Current and Constant Voltage
Fast 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
C14 (F)

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	100,000 Calculated Hours Minimum.
Approvals and Safety Standards	UL60950-1, IEC/EN60950-1, K60950/K60335-1,2 EMC : EN55022/55024/61000
Case and Dimension	8.27(L) x 3.19(W) x 1.83(H) [in] 210(L) x 81(W) x 46.4(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	4 Conductor, 18AWG Other cable and connectors are available.

Part Number Key

<u>BPL150</u>	<u>S</u>	<u>08</u>	<u>F</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number



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