

BPL775S 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]
BPL775-S-08-F-XX	2	8.40	6.00	0.60+/-10%	50.40
BPL775-S-12-F-XX	3	12.60	5.00	0.50+/-10%	63.00
BPL775-S-16-F-XX	4	16.80	4.50	0.45+/-10%	75.60
BPL775-S-21-F-XX	5	21.00	3.50	0.35+/-10%	73.50
BPL775-S-25-F-XX	6	25.20	3.00	0.30+/-10%	75.60
BPL775-S-29-F-XX	7	29.40	2.50	0.25+/-10%	73.50
BPL775-S-42-F-XX	10	42.00	1.70	0.30+/-10%	71.40

Input Specification

Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	2.0Amax at 90VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

Output Specification

Battery Type	Lithium Ion/Polymer
Charging Method	Constant Current and Constant Voltage
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
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	LP7 - Desktop 5.08(L) x 3.05(W) x 1.59(H) [in] 129(L) x 77(W) x 40(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	4 Conductor, 18AWG Other cable and connectors are available.

Part Number Key

<u>BPL775</u>	<u>S</u>	<u>08</u>	<u>E</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number