

# BPM121S Universal 120 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 120W
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs Also Available
- Desktop Style




Model	Output Voltage DC (V)	Maximum Current (A)	Maximum Watts (W)	Ripple & Noise Vp-p max. (mV)
BPM121-S-12-X-XX	12	10.00	120.0	120
BPM121-S-15-X-XX	15	8.00	120.0	150
BPM121-S-18-X-XX	18	6.67	120.1	180
BPM121-S-24-X-XX	24	5.00	120.0	240

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

Output Specification		
Line & Load Regulation (at End of Cable)	Line Regulation	+/- 1%
	Load Regulation	+/- 5%
Ripple & Noise	1% Vp-p max.	
Transient Response	0.5ms for 50% Load change Typ.	
Protection	Over-current Protection (Hiccup)	
	Short Circuit Protection	

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	Convectonal - Non vented case

Input Configuration
 IEC320 C14 (F)
Specify the input configuration Code in your Order.

General Specification	
Topology	Switching - Half bridge
Leakage Current	Less than 100uA
Dielectric Withstand	5,656VDC Primary - Secondary
	2,150VDC Primary - F.G
	500VDC Secondary - F.G
Storage Temperature	-30 °C to 85 °C
Efficiency	Minimum Average Efficiency in Active Mode ≥ 87%
Hold-up Time	18ms min. @115VAC
EMI	Complies with EMC Directives
Max. Power in No-Load	≤ 0.5W
MTBF	100,000 Calculated Hours Minimum.
Approvals and	UL60950-1, IEC/EN60950-1, K60950-1
Safety Standards	EMC : EN55022 / 55024 / 61000
Case and Dimension	8.2(L) x 2.5(W) x1.6(H) [in]
	209.4(L) x 64.4(W) x 41.5(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	16 AWG or 18 AWG 1,500mm 4 Conductor.
	Other cable and connectors are available.

Part Number Key				
<u>BPM121</u>	<u>S</u>	<u>12</u>	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number