

BPM100S Universal 100 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 100W
- 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 Vp-p max. (mV)
BPM100-S-12-X-XX	12	8.30	99.6	120
BPM100-S-15-X-XX	15	6.70	100.5	150
BPM100-S-18-X-XX	18	5.60	100.8	180
BPM100-S-24-X-XX	24	4.20	100.8	240
BPM100-S-48-X-XX	48	2.10	100.8	480

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 Voltage +/- 1%
	Load Voltage +/- 5%
Ripple	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	Convectional - Non vented case

Input Configuration		
IEC320 C14 (F)	IEC320 C8 (N)	IEC320 C18 (Q)

Specify the input configuration Code in your Order.

Part Number Key				
BPM100	S	12	X	XX
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number

General Specification	
Topology	Switching - Fixed Frequency Flyback
Leakage Current	Less than 100uA
Dielectric Withstand	5,656VDC Primary - Secondary 2,545VDC Primary - F.G 500VDC Secondary - F.G
Storage Temperature	-30 °C to 85 °C
Efficiency	Minimum Average Efficiency in Active Mode ≥89%
Hold-up Time	18ms min. @115VAC
EMI	Complies with EMC Directives
Max. Power in No-Load	≤0.2W
MTBF	100,000 Calculated Hours Minimum.
Approvals and	UL60601-1, IEC/EN60601-1, K60950-1
Safety Standards	EMC : EN60601-1-1-2 / EN55011
Case and Dimension	
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	18 AWG 1,500mm 4 Conductor. Other cable and connectors are available.