

# BPR050S Universal 50 Watt

- 120-277 Vac Universal Input
- Single Output to 50W
- Regulated Output with Low Ripple
- Meets UL8750 Safety Agency Requirements
- EMC Compliant
- Metal Enclosure
- Modified and Custom Designs Also Available
- Wire Connection Style



Model	Input Voltage (V)	Maximum Current (A)	Maximum Watts (W)	Ripple & Noise Vp-p max. (mV)
BPR-050-S-72-X-XX	66	0.78	51.5	660

Input Specification	
Input Voltage Range	120 to 277VAC
Line Frequency	47 to 63 Hz
Input Current	0.7A max. at 120VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting
Power Factor Correction	0.9 min, Built-in active PFC

Output Specification		
Line & Load Regulation (at End of Cable)	Line Regulation	+/- 1%
	Load Regulation	+/- 5%
Ripple & Noise	1% Vp-p max.	
Protection	Over-current Protection (Hiccup) Short Circuit Protection	

Environmental Specification	
Operating Temperature	-20°C to 50°C with no derating
Relative Humidity	5% to 95% non-condensing
Altitude	0 - 10,000 feet
Cooling	Convectional

Input Configuration
Wire (E)
Specify the input configuration Code in your Order.

General Specification	
Topology	Switching - Fixed Frequency Flyback
Leakage Current	Less than 250uA
Dielectric Withstand	4242VDC Primary - Secondary 2,150VDC Primary - F.G 500VDC Secondary - F.G
Storage Temperature	-30 °C to 85 °C
Efficiency	87% min
Hold-up Time	Half cycle min. @120VAC
EMI	Complies with EMC Directives
MTBF	100,000 Calculated Hours Minimum.
Approvals and Safety Standards	UL8750, UL1012 non Class-2 EMC Compliant
Case and Dimension	6(L) x 3(W) x 1.25(H) [in] 152.4(L) x 76.2(W) x 31.75(H) [mm]
Case Material	Metal
Cord and Connectors	Input and Output wire use lead wires lead wires are 18AWG 105C/600V

Part Number Key				
<u>BPR050</u>	<u>S</u>	<u>72</u>	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	Dim Option	Input Configuration	Customer Number

