

# BPI080S Universal 80 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 80W
- 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 V <sub>p-p</sub> max. (mV)
BPI080-S-12-X-XX	12	6.50	78.0	120
BPI080-S-15-X-XX	15	5.20	78.0	150
BPI080-S-18-X-XX	18	4.33	77.9	180
BPI080-S-24-X-XX	24	3.25	78.0	240
BPI080-S-48-X-XX	48	1.67	80.2	480

Input Specification	
Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	1.5A 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% V <sub>p-p</sub> 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)	

Specify the input configuration Code in your Order.

General Specification	
Topology	Switching - Fixed Frequency Flyback
Leakage Current	Less than 250uA
Dielectric Withstand	4,242VDC 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 ≥89%
Hold-up Time	18ms min. @115VAC
EMI	Complies with EMC Directives
Max. Power in No-Load	≤0.1W
MTBF	61,320 Calculated Hours Minimum.
Approvals and	UL60950-1, IEC/EN60950-1, K60950-1
Safety Standards	EMC : EN55022 / 55024 / 61000
Case and Dimension	TBD
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	20 AWG 1,200mm 4 Conductor. Other cable and connectors are available.

Part Number Key				
<u>BPI080</u>	<u>S</u>	<u>12</u>	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number

