

BPI012S Universal 12 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 10W-12W
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs Also Available
- Wall Plug Style



Model	Output Voltage DC (V)	Maximum Current (A)	Maximum Watts (W)	Ripple & Noise Vp-p max. (mV)
BPI012-S-12-X-XX	12	1.00	12.0	120

Input Specification	
Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	0.3A max. at 90VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

Output Specification		
Line & Load Regulation	Line Regulation	+/- 1%
(at End of Cable)	Load Regulation	+/- 5%
Ripple & Noise	1% Vp-p max. (except 5V model)	
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	
N.A./Japan	Europe
/China (B)	/Korea (M)

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 ≥ [0.0626 * Ln (Pno)] + 0.622
Hold-up Time	10ms min. @115VAC
EMI	Complies with EMC Directives
Max. Power in No-Load	≤ 0.3W
MTBF	100,000 Calculated Hours Minimum.
Approvals and Safety Standards	UL60950-1, IEC/EN60950-1, K60950-1 EMC : EN55022 / 55024 / 61000
Case and Dimension	2.75(L) x 1.92(W) x 2.86(H) [in] 70.0(L) x 48.9(W) x 72.7(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	20 AWG 1,500mm 2 Conductor. Other cable and connectors are available.

Part Number Key				
<u>BPI011</u>	<u>S</u>	<u>05</u>	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number