

BPI030S Universal 20-30 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 20W-30W
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs Also Available
- Desktop and Wall Plug Style with Interchangeable Blades



Model	Output Voltage DC (V)	Maximum Current (A)	Maximum Watts (W)	Ripple & Noise V _{p-p} max. (mV)
BPI030-S-05-X-XX	5	4.00	20.0	50
BPI030-S-07-X-XX	7.5	3.00	22.5	75
BPI030-S-09-X-XX	9	3.00	27.0	90
BPI030-S-12-X-XX	12	2.50	30.0	120
BPI030-S-14-X-XX	14	2.10	29.4	150
BPI030-S-15-X-XX	15	2.00	30.0	160
BPI030-S-18-X-XX	18	1.67	30.1	180
BPI030-S-24-X-XX	24	1.33	31.9	240
BPI030-S-48-X-XX	48	0.67	32.2	480

Input Specification	
Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	1.0A max. at 90VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

Output Specification	
Line & Load Regulation (at End of Cable)	Line Regulation +/- 2% Load Regulation +/- 5%
Ripple & Noise	1% V _{p-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)	N.A./Japan Europe
/China (B) /Korea (M)	United Kingdom (G)
Australia (H)	

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 (P _{no})] + 0.622
Hold-up Time	18ms min. @115VAC
EMI	Complies with EMC Directives
Max. Power in No-Load	≤ 0.3W
MTBF	61,320 Calculated Hours Minimum.
Approvals and Safety Standards	UL60950-1, IEC/EN60950-1, K60950-1 EMC : EN55022 / 55024 / 61000
Case and Dimension	3.74(L) x 2.13(W) x 1.26(H) [in] 96.0(L) x 55.0(W) x 34.0(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	18 AWG 1,500mm 2 Conductor. Other cable and connectors are available.

Part Number Key				
BPI030	S	12	X	XX
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number

