

BPE020A /CENB1020A Universal 20 Watt

- 100-240 Vac Universal Input
- Single Output to 20W
- 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 _{p-p} max. (mV)
BPE020-A-48-X-XX	48	0.40	19.2	480

Input Specification	
Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	0.4A 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 _{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)

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
Data Rate	10/100/1000 BASE operation
Hold-up Time	10ms min. @115VAC
EMI	Complies with EMC Directives
MTBF	100,000 Calculated Hours Minimum.
Approvals and Safety Standards	UL60950-1, IEC/EN60950-1, K60950-1 EMC : EN55022 / 55024 / 61000
Case and Dimension	4.43(L) x 1.88(W) x 1.33(H) [in] 112.5(L) x 47.8(W) x 33.7(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	RJ45 Cable. Other cable and connectors are available.

Part Number Key				
<u>BPE020</u>	<u>A</u>	<u>05</u>	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number



BridgePower Corporation

Tel : +82-31-299-1234 Fax : +82-31-224-0566

<http://www.bridgepower.co.kr>

E1