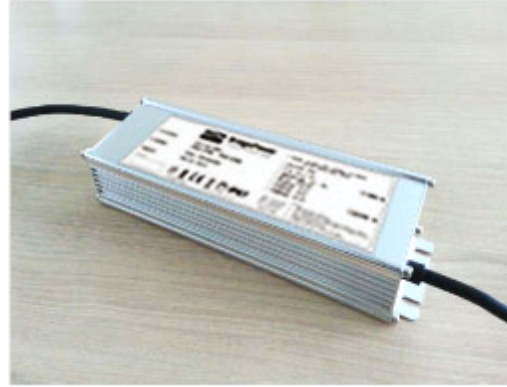


BPR100S Universal 100 Watt

- 100-240 Vac Universal Input
- Single Output to 100W
- Regulated Output with Low Ripple
- Meets KC Safety Agency Requirements
- EMC Compliant
- Metal Enclosure
- Modified and Custom Designs Also Available
- Wire Connection Style
- 10 – 100% Range dimming, 0 – 10V Interface or with low voltage signal input of control module.



Model	Voltage Range AC (V)	Maximum Current (A)	Maximum Watts (W)	Current Accuracy (%)
BPR-100-S-24-X-XX	21 - 27	4.00	96.0	+/- 3%
BPR-100-S-36-X-XX	32 - 40	2.60	93.6	+/- 3%
BPR-100-S-42-X-XX	33 - 47	2.20	92.4	+/- 3%
BPR-100-S-48-X-XX	45 - 53	2.00	96.0	+/- 3%

Input Specification

Input Voltage Range	100 to 240VAC
Line Frequency	47 to 63 Hz
Input Current	1.3A 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	20% to 90% 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 - PFC , Flyback converter
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	IP67 , KC EMC Compliant
Case and Dimension	7.28(L) x 2.69(W) x 1.63(H) [in]
	185(L) x 68.5(W) x 41.5(H) [mm]
Case Material	Metal
Cord and Connectors	3 Conductor, 18AWG Other cable and connectors are available.

Part Number Key

<u>BPR100</u>	<u>S</u>	<u>42</u>	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	42m Option	Input Configuration	Customer Number



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L12