

JPW1100KB Universal 90-100 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 90-100W
- 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)
JPW1100-KB-12-XX-X-XX	12	7.50	90.0	120
JPW1100-KB-13-XX-X-XX	13	6.92	90.0	130
JPW1100-KB-15-XX-X-XX	15	6.40	96.0	150
JPW1100-KB-16-XX-X-XX	16	6.00	96.0	160
JPW1100-KB-18-XX-X-XX	18	5.60	100.8	180
JPW1100-KB-19-XX-X-XX	19	5.20	98.8	190
JPW1100-KB-24-XX-X-XX	24	4.20	100.8	240
JPW1100-KB-48-XX-X-XX	48	2.10	100.8	480

Input Specification

Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	2.2A max. at 90VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

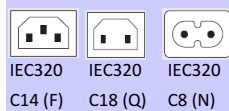
Output Specification

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



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 ≥87%
Hold-up Time	18ms min. @115VAC
EMI	Complies with EMC Directives
Max. Power in No-Load	≤0.5W
MTBF	100,000 Calculated Hours Minimum.
Approvals and Safety Standards	UL60950-1, IEC/EN60950-1, K60950-1 EMC : EN55022 / 55024 / 61000
Case and Dimension	5.87(L) x 3.37(W) x 1.87(H) [in] 149(L) x 85.5(W) x 47.5(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	18 AWG 1,500mm 4 Conductor. Other cable and connectors are available.

Part Number Key

JPW1100	KB	12	XX	X	XX
Product Family Name	Design Revision Change	Volt (DC)	Connector Number	Input Configuration	Customer Number



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