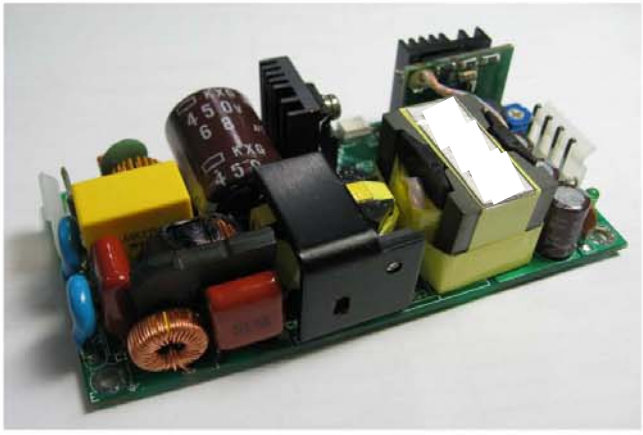
Intronics Power ®

AC100X SERIES

100 WATT OPEN FRAME AC-DC MODULES WITH PFC



FEATURE

* 100W Single Output
* Universal Input 90-264Vac
* Active PFC Function
* 2"X4" Size
* Efficiency at 88% Typical
* Continuous Short Circuit Protection
* Meets EN55022 Class "B" and CISPR/FCC Class B, Conducted

Model	Output Voltage	Max. Load	Min. Load	Ripple & Noise Noise	Voltage Accuracy	Line Regulation	Load Regulation	%EFF
AC100X12	12V	8.4A	0 A	1%	+/- 1%	+/- 0.5%	+/- 1%	87% Typ.
AC100X15	15V	6.7A	0 A	1%	+/- 1%	+/- 0.5%	+/- 1%	87% Typ.
AC100X20	20V	5.0A	0 A	1%	+/- 1%	+/- 0.5%	+/- 1%	88% Typ.
AC100X24	24V	4.2A	0 A	1%	+/- 1%	+/- 0.5%	+/- 1%	88% Typ.
AC100X48	48V	2.1A	0 A	1%	+/- 1%	+/- 0.5%	+/- 1%	88% Typ.

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SPECIFICATIONS

Typical at 25℃, nominal line and 75% load, unless otherwise Specified

INPUT SPECIFICATIONS:

Voltage ..... 90~264Vac
Frequency ..... 47 to 63Hz
Inrush Current ..... 90A Max. @240Vac
Conducted EMI ..... CISPR/FCC Class B
Isolation ..... Input to output = 4,242VDC
Leakage Current ..... 3.5mA max.

OUTPUT SPECIFICATIONS:

Holdup Time ..... 12mS typ. @115Vac
Short Circuit Protection ..... Continuous
Temperature Coefficient ..... ±0.05%/℃

GENERAL SPECIFICATIONS:

Operating Temperature ..... 0 ~ 40℃
Storage Temperature ..... -20~85℃
Cooling ..... Natural Convection
Humidity ..... 0~93% at 25℃

MECHANICAL CHARACTERISTICS:

Dimensions 101.6x50.8x27.94mm (2.0x4.0x1.1Inches)
Weight 150g

NOTE:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Line regulation is measured from 100Vac to 240Vac with full load.
3. Load regulation is measured from 10% to 100% full load.
4. Connectors: AC input: Molex 5277 or equivalent
   DC input: Molex 5273 or equivalent

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All Dimensions In Inches[mm]
Tolerances : Inches:x.xx = ± 0.02 , x.xxx = ± 0.010
Millimeters:x.x = ± 0.5 , x.xx = ± 0.25