

FVA100 Series

100 W ITE Open Frame Power Supply

- High Efficiency: Level V
- Up to 120W with Forced Air
- High Power Density 8.7/in³
- Hold-up Time >60ms at full load
- EISA and CEC Compliant
- Power Factor Correction
- Grounded Output
- Safety Approval - EN60950-1
- CEC Compliant
- Grounded Output
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Elpac Part Number	Output Voltage	Output Current	Peak Current	Total Regulation	Typical Efficiency
FVA100012A	12.0V	8.3A	10.0A	±5%	88%
FVA100015A	15.0V	6.7A	8.0A	±5%	88%
FVA100018A	18.0V	5.6A	6.7A	±5%	89%
FVA100024A	24.0V	4.2A	5.0A	±5%	89%


Input	
Input Voltage	85 - 264VAC 100 - 240VAC Nominal
Input Frequency	47 - 63Hz
Input Current	<2A rms
Inrush Current	<37A at 230VAC cold start
Power Factor	>0.96
Zero Load Power Consumption	<0.5W
Touch Leakage Current	<125µA @ 132VAC @ 60Hz <175µA @ 264VAC @ 60Hz

Output	
Output Voltage	See Table
Total Regulation	+/-5%
Minimum Load	No minimum load required
Start-Up Delay	<750ms
Hold-Up Time	>60ms at any input voltage
Ripple & Noise	<1% pk-pk **
Over Voltage Protection	110-135%
Over Temperature Protection	Active - Recoverable; plus Passive - Non Recoverable
Over Current Protection	120 - 180%
Short Circuit Protection	shutdown, auto-restart (hiccup mode)

General	
Efficiency	Avg Efficiency 88.6% @ 115VAC; 89.5% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	4.50
Weight	0.66 lbs (.30 kg)
Power Density	8.7W/in ³ (at 120W)

Environmental	
Operating Temperature	0 – 70°C (Full load to 50°C, derate linearly to 50% load at 70°C)
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95%, non-condensing
Cooling	Natural Convection (100W) or Forced Air (120W)
Vibration	All units production tested to 19.6m/s ²

EMC & Safety	
Emissions	FCC class B, CISPR22 class B EN61000-3-2, -3
Immunity	EN61000-4-2, -3, -4, -5, -6, -8, -11

<p>Certified by TUV to the following:</p> 	<p>cTUVus UL 60950-1 CAN/CSA-22.2 No.60950-1 CB per IEC60950-1 CE marked to LVD</p>
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