



FSA150 Series

150 W ITE Open Frame Power Supply

- High Efficiency: Level V
- Up to 180W with Forced Air
- High Power Density 9.8W/in³
- Lifetime Expectation >5 years
- Hold-up Time >25ms at full load
- EISA and CEC Compliant
- Grounded Output
- Safety Approval - EN60950-1

Elpac Part Number	Output Voltage	Output Current	Peak Current	Total Regulation	Typical Efficiency
FSA150012A	12.0V	12.5A / 15.0A PK	15.0A	±5%	91%
FSA150015A	15.0V	10.0A / 12.0A PK	12.0A	±5%	91%
FSA150018A	18.0V	8.3A / 10.0A PK	10.0A	±5%	91%
FSA150024A	24.0V	6.3A / 7.5A PK	7.5A	±5%	92%

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	>0.97
Zero Load Power Consumption	<0.5W
Touch Leakage Current	<150µA @ 132VAC @ 60Hz <300µA @ 264VAC @ 60Hz

Output

Output Voltage	See Table
Total Regulation	+/-5%
Minimum Load	No minimum load required
Start-Up Delay	<1.5s
Hold-Up Time	>25ms 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 91.7% @ 115VAC; 93.4% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	5.00
Weight	0.75 lbs (.34 kg)
Power Density	9.8W/in ³

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 (150W) or Forced Air (180W)
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
Certified by TUV to the following:	cTUVus



UL 60950-1

CAN/CSA-22.2 No.60950-1

CB per IEC60950-1

CE marked to LVD

FSA150 | ICCNEXERGY | © 2011 |