



FWA065 Series

65 W ITE Desktop Power Supply

- High Efficiency: Level V
- High Power Density 4.9W/in³
- Lifetime Expectation >5 years
- Hold-up Time >25ms at full load
- Safety Approval - EN60601-1 Class I
- EISA Compliant
- CEC Compliant

Elpac Part Number	Output Voltage	Output Current	Peak Current	Total Regulation	Typical Efficiency
FWA065009A-11B	9.0V	8.0A	9.6A	±5%	85%
FWA065012A-11B	12.0V	6.0A	7.2A	±5%	88%
FWA065015A-11B	15.0V	4.8A	5.7A	±5%	89%
FWA065024A-11B	24.0V	3.0A	3.6A	±5%	91%

Input	
Input Voltage	85 - 264VAC 100 - 240VAC Nominal
Input Frequency	47 - 63Hz
Input Current	<1.5A rms
Inrush Current	<37A at 230VAC cold start
Zero Load Power Consumption	<0.5W
Touch Leakage Current	<80μA @ 132VAC @ 60Hz <100μA @ 264VAC @ 60Hz

Output	
Output Voltage	See Table
Total Regulation	+/-5%
Minimum Load	No minimum load required

Start-Up Delay	<750ms
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 88.2% @ 115VAC; 89.7% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	5.02
Weight	1.3 lbs (.58 kg)
Power Density	4.9W/in3

Environmental

Operating Temperature	0 – 60°C (Full load to 40°C, derate linearly to 50% load at 60°C)
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95%, non-condensing
Cooling	Natural Convection
Vibration	All units production tested to 19.6m/s2

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 & EMC



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