



FWC18

18 W ITE Desktop Power Supply

- High Efficiency: Level V
- Fully Regulated DC Output
- Lifetime Expectation >5 years
- Hold-up Time >12ms at full load
- Safety Approval - EN60950-1 Class I
- CEC Compliant

Elpac Part Number	Output Voltage	Output Current	Peak Current	Total Regulation	Typical Efficiency
FWC1805-760F	5.0V	3.0A	4.3A	±5%	82%
FWC1812-760F	12.0V	1.5A	1.8A	±5%	83%
FWC1815-760F	15.0V	1.2A	1.4A	±5%	84%
FWC1818-760F	18.0V	1.0A	1.2A	±5%	85%
FWC1824-760F	24.0V	0.8A	0.9A	±5%	86%

Input

Input Voltage	85 - 264VAC 100 - 240VAC Nominal
Input Frequency	47 - 63Hz
Input Current	<0.5A rms
Inrush Current	<37A at 230VAC cold start
Zero Load Power Consumption	<0.5W
Touch Leakage Current	<200μA @ 132VAC @ 60Hz <350μA @ 264VAC @ 60Hz

Output

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

Start-Up Delay	<1s
Hold-Up Time	>12ms 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 83.5% @ 115VAC; 81.6% @ 230VAC
MTBF	min. 100,000 hours demonstrated
Size	3.35
Weight	0.45 lbs (.20 kg)

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/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:	cTUVus UL 60950-1 CAN/CSA-22.2 No.60950-1 CB per IEC60950-1 CE marked to LVD & EMC Directive



