

Elpac Part Number	Output Voltage	Output Current	Peak Current ¹	Total Regulation ²	Typical Efficiency ³
FWC100012A-12B	12.0V	8.3A	10.0A	±5%	88%
FWC100015A-12B	15.0V	6.6A	8.0A	±5%	88%
FWC100018A-11B	18.0V	5.5A	6.7A	±5%	88%
FWC100024A-11B	24.0V	4.1A	5.0A	±5%	89%
FWC100048A-11B	48.0V	2.0A	2.5A	±5%	90%

Input	
Input Voltage	85 - 264VAC 100 - 240VAC Nominal
Input Frequency	47 - 63Hz
Input Current	<1.0A rms
Inrush Current	<37A at 230VAC cold start
Power Factor	>0.97
Zero Load Power Consumption	<0.5W
Touch Leakage Current	<150µA @ 132VAC @ 60Hz <200µA @ 264VAC @ 60Hz

Output	
Output Voltage	See Table
Total Regulation	+/-5%


Minimum Load	No minimum load required
Start-Up Delay	~1s
Hold-Up Time	>48ms 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 88.8% @ 115VAC; 89.8% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	7.09" x 2.27" x 1.52" 180.2mm x 57.5mm x 38.6mm
Weight	1.52 lbs (0.69 kg)
Power Density	4.2W/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

Input Configuration

Standard Input Cable	6 ft cable with US standard (Nema 5-15) 3 prong connector
Connection on Power Supply Body	IEC 320 C14 Receptacle

Output Configuration (18V, 24V, 48V)

Standard Output Cable	6 ft.
Cord Size	4x18awg
Connector (PSU side)	Switchcraft DIN-5, P/N 05GM5MX for 18V, 24V & 48V
Mating Connector	Switchcraft 57GB5FX (5 pin) or equivalent

Output Configuration (12V, 15V)

Standard Output Cable	4 ft.
Cord Size	4x16awg

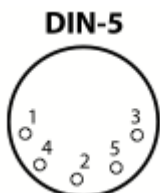
Connector (PSU side)	Switchcraft DIN-8,P/N 15BL8M (male pins)
Mating Connector	Switchcraft 62GB8FX (8 pin) or equivalent

Output Pin Assignments



Pin 1	+V1
Pin 2	+V1
Pin 3	Return
Pin 4	+V1
Pin 5	Return
Pin 6	+V1
Pin 7	Return
Pin 8	Return

Output Pin Assignments



Pin 1	Return
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Pin 2	Return	
Pin 3	+V1	
Pin 4	Return	
Pin 5	+V1	