



External Power Supplies – Single Output: 6-100W

Listed below is our most popular commercial grade (UL 1950) single output AC DC power supplies are for designers who want to take AC power into their system and then regulate the power on-board to generate the voltages they need.



- Commercial Grade (UL 1950)
- Single Output
- 6-100 Watts
- Various Models Available in Fast Track Program

Model Numbers:

Model/Series	Volts	Input AC	Power (Watts)	Fast Track	Power Supply Type	PFC	CEC	RoHS	Class	
FW18	5,12,18,24	100-240	18	Yes	Switching Regulated	No	No	Yes	I	
FWC18	5,12,18,24	85-264	18	Yes	Switching Regulated	No	Yes	Yes	I	

FWB100	12,18,24	100-240	100	No	Switching Regulated	Yes	Yes	Yes	I	
FWP100	12,24	100-240	100	No	Switching Regulated	Yes	No	Yes	I	

Model/Series	Volts	Input AC	Power (Watts)	Fast Track	Power Supply Type	PFC	CEC	RoHS	Class	
WM050-1950-760	5	108-132	6	No	Linear Regulated	No	No	No		
WM075-1950-D5	5	108-132	7.5	No	Linear Regulated	No	No	No		
WM080-1950-760	24	108-132	8	No	Linear Regulated	No	No	No		
WM10	5,12,24	100-120	10	No	Switching Regulated	No	No	No		

WP12	5,12,24	90-132	12	No	Switching Regulated	No	No	No	II	
WM144-1950-760 (D5,S)	12	108-132	14.4	No	Linear Regulated	No	No	No		
M42012-760	12	95-240	20	No	Switching Regulated	No	No	No	I	
W40	12,24	100-240	40	No	Switching Regulated	No	No	No	II	
WRI4212-D5	12	95-250	42	No	Switching Regulated	No	No	No	I	
WRI4214-760	24	95-240	42	No	Switching Regulated	No	No	No	I	
WRI4214-D5	24	95-240	42	No	Switching Regulated	No	No	No	I	

* These models are at end of life and are not recommended for new designs.

WM Series

2.5-14.4 WATT AC ADAPTERS

Features

- Two/three pin input plug (see chart)
- Output connector: 5 pin DIN or barrel type (5.5 x 2.5 x 9.5mm)
- Fully enclosed plastic case
- Fully regulated output



Elpac Model	Size	Voltage			Current			Watts (max)	# of AC pins
		V1	V2	V3	I1	I2	I3		
WM050-1950-760	1	5			1.2			6	2
WM075-1950-760	2	5			1.5			7.5	3
WM060-1950-760	4	12			0.5			6	3
WM144-1950-D5	3	12			1.2			14.4	3
WM080-1950-760	4	24			0.33			8	3
WM100-D5*	3	5	-5		1	1		10	3
WM072-1950-D5	2	12	-12		0.3	0.3		7.2	3
WM071-1950-D5	2	15	-15		0.24	0.24		7.5	3
WM063-1950-D5	2	5	12	-12	0.6	0.16	0.16	6.3	3
WM113-D5	3	5	12	-12	0.86	0.3	0.3	11.3	3

Specifications

Input

- Voltage: 120VAC (108 -132)
- Frequency: 60 Hz

Output

- Combined regulation: $\pm 5\%$
- Set point: $\pm 3\%$ at 60% load
- Ripple/ noise (V_{p-p}): $\pm 0.5\%$

Environmental

- Operating temperature: 0 °C to 40 °C
- Storage temperature: -55 °C to 85 °C

EMI

- Meets FCC class B, CISPR 22 class B

Mechanical (inches)

Size	L	W	H
1	2.2	1.9	3.3
2	4.7	2.6	1.9
3	4.7	3.1	2.3
4	3.2	2.2	1.9

Safety

- UL1012, CSA 22.2 #223 (WMXXX)
- UL1950, CSA 22.2 #223 (WMXXX -1950-XX)
- * CSA only

Polarity

Pin-outs	1	2	3	4	5
Single o/p	com	N/C	V1	com	V1
Dual o/p	com	N/C	V1	com	V2
Triple o/p	com	N/C	V1	V3	V2
*WM100-D5	V2	N/C	V1	com	com



(barrel type – positive center)

ELPAC POWER SYSTEMS