



**International
Components
Corporation**

TM

MW40 Series

40 Watts

Medical Switch Mode Power Supply

Elpac Power Systems™
Higher Efficiency, Higher Power Density, Uncompromised Reliability



TECHNICAL SUPPORT

WORLDWIDE

1-888-357-2280

saleselpac@iccus.com

www.iccus.com

EUROPE

+44.1383.432920

saleseurope@iccus.com



5-YEAR LIMITED WARRANTY*

- High Efficiency
- Fully Regulated DC Output
- Lifetime Expectation >5 years
- Hold-up Time >16ms at full load
- ENERGY STAR Level V
- Medical Approval - EN60601-1 Class I

ENERGY STAR PARTNER

As a Global Supplier of Power Supplies, we are committed to meeting energy efficiency standards around the world. That is why we have partnered with the ENERGY STAR® Program and engineer our Elpac Power Systems™ to meet strict energy-efficiency guidelines established by the EPA and the US Department of Energy (DOE). The Energy Star program has developed International partnerships with countries and organizations in major global markets. Those participating in the program include Australia, Canada, European Union, European Free Trade Association, Japan, New Zealand, and Taiwan.

Furthering our International commitment, we have signed the EU Code of Conduct on Efficiency of External Power Supplies. Our Elpac Power Systems™ MW40 series meets the efficiency standards of the International ENERGY STAR® program and the EU Code of Conduct.

Input	
Input Voltage	85 – 264VAC 100 – 240VAC Nominal
Input Frequency	47 – 63Hz
Input Current	<1A rms
Inrush Current	<37A at 230VAC cold start
Zero Load Power Consumption	0.3W
Touch Current/ Leakage Current (typical)	<50µA @ 132VAC @ 60Hz
	<75µA @ 264VAC @ 60Hz

Output	
Output Voltage	See Table
Total Regulation	+/-5%
Minimum Load	No minimum load required
Start-up Delay	<.25s
Hold-Up Time	>16ms
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)

Notes

*visit www.iccus.com for complete details

**Ripple and noise measured with 20MHz bandwidth; 10µF tantalum capacitor in parallel with a 0.1µF ceramic capacitor.





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Model Number	Output Voltage	Output Current	Peak Current ¹	Total Regulation ²	Minimum Efficiency ³
MW4009-760F-NC-BK	9.0V	4.4A	5.3A	±5%	84%
MW4012-760F-NC-BK	12.0V	3.3A	4.0A	±5%	86%
MW4015-760F-NC-BK	15.0V	2.7A	3.2A	±5%	87%
MW4018-760F-NC-BK	18.0V	2.2A	2.6A	±5%	87%
MW4024-760F-NC-BK	24.0V	1.7A	2.0A	±5%	88%

Notes

1) Maximum peak load (48W) lasting 500ms with a maximum 10% duty cycle.

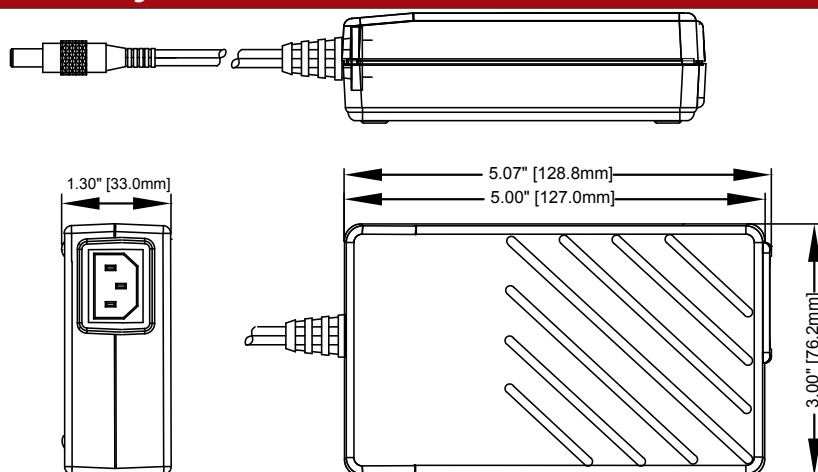
2) Includes initial setting, line regulation, load, regulation, and thermal drift.

3) Typical at 115VAC

General		Environmental		EMC & Safety	
Efficiency	Avg. Efficiency 86.4% @ 115VAC; 85.7% @ 230VAC	Operating Temperature	0 – 40C, linearly derated to 50% load at 60C	Emissions	FCC class B, CISPR11 class B EN61000-3-2, -3
MTBF	min. 200,000 hours demonstrated	Storage Temperature	-40°C to +85°C	Immunity	EN60601-4-2, -3, -4, -5, -6, -8, -11
Size	5.0 (127.0mm) x 3.0 (76.2 mm) x 1.3 (33.0mm)	Relative Humidity	5-95%, non-condensing	Certified by TUV to the following: 	cTUVus
Weight	0.8 lbs (.36 kg)	Cooling	Natural Convection		UL 60601-1
		Vibration	All units production tested to 19.6m/s ²		CAN/CSA-22.2 No.601.1-M90
					CB per IEC60601-1
					CE marked to LVD

Input Configuration		Output Configuration		Output Pin Assignments	
Standard Input Cable	Not Provided	Standard Output Cable	6ft	Center	+V1
Connection on Power Supply Body	IEC 320 C14 Receptacle	Connector (PSU side)	Switchcraft 760 or equivalent	Outside	Return
		Mating Connector	Switchcraft 712A or equivalent		

Mechanical Drawing



Ordering Options Available (Contact Factory)

White Case

Grounded Output