



Medical Power Supplies - Open Frame 7-250W Series

Elpac open frame medical grade power supplies are preferred by customers who want to incorporate the AC/DC power supply into their system, delivering a complete, compact package.



- Universal AC Inputs, 85-264
- Single, Dual, and Triple Outputs
- Medical agency requirements including UL2601-1 and EN60601-1

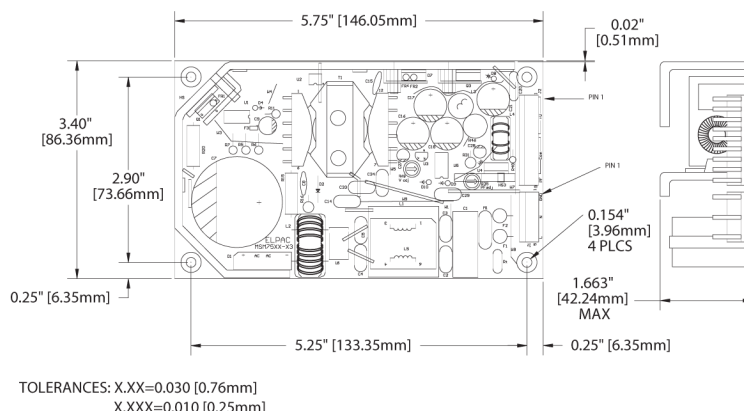
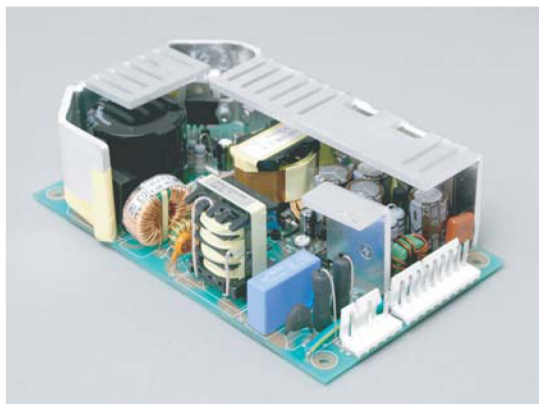
Model Numbers:

Model	Volts	Input AC	Power	Power Supply Type	PFC	CEC	RoHS	Class	
MSM07	5,12,15,24,28	100-240	7W	Switching Regulated	No	No	No	II	
MSM20	12,15,24	100-240	20W	Switching Regulated	No	No	No	I	
MSM28	12,15,28	100-240	28W	Switching Regulated	No	No	No		

MSM75	12,15,24,28	90-264	75W	Switching Regulated	No	No	No		
MSM80	9,12,15,24	85-264	80W	Switching Regulated	No	No	Yes	I	
MVA100	12,15,18,24	100-240	100W	Switching Regulated	No	No	Yes	I	
MSMP115	12,15,24,28	85-264	115W	Switching Regulated	Yes	No	Yes		
MSMP150F	12,15,24,28,48	100-240	150W	Switching Regulated	Yes	No	Yes	I	
MSMP250F	12,15,24,28,48	100-240	250W	Switching Regulated	Yes	No	Yes	I	

MSM75 series

75 Watt Medical Grade Power Supply



Features

- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval
- Dimensions meet 1U applications
- 5 year warranty

EMI/EMC

- Meets FCC class B, CISPR 11 class B
- EMC per EN60601-1-2
- Complies with EN61000-3-2 class A

Safety

- UR/cUR UL2601-1
- CE Marked EN60601-1-2:2001

Polarity	1	2	3	4	5	6	7	8	9
Input P1	Gnd	-	Neut.	-	Line	-	-	-	-
Output P2	+V	+V	+V	+V	Com	Com	Com	Com	Pwr Fail

Input and Output Connections

- Input connector = AMP p/n 643495-2
- Input mating connector = AMP p/n 640250-5 or equivalent
- Input mating connector contacts = AMP p/n 770476-1 or equivalent
- Output connector = AMP p/n 640445-9
- Output mating connector = AMP p/n 640250-9 or equivalent
- Output mating connector contacts = AMP p/n 770476-1 or equivalent

Electrical Specifications

Input

- Voltage.....90-264 VAC
- Current.....1.5 Amp @ 100 VAC
- Frequency.....47 - 63 Hz
- Earth leakage current.....70 uA, 264 V @ 50 Hz (normal condition)

Output

- Line regulation.....TYP +/- 1%
- Load regulation.....TYP +/- 3%
- Hold up time.....15 ms min at full load, 115 VAC
- Transient response.....2 ms for 50% to 100% load change
- Over voltage protection.....Built-in
- Over current protection.....Built-in
- Short circuit protection.....Pulsing mode, auto recovery
- Efficiency.....80% min at full load and 115 VAC
- Ripple/noise (V_{p-p}).....1% (20 MHz bandwidth)

Environmental

- Operating temperature.....0° C to 50° C
- Storage temperature.....-55° C to 85° C
- Weight = 0.50 lbs

Model No.	Voltage	Power	Current
MSM7512	12V	75W	6.3A
MSM7515	15V	75W	5A
MSM7524	24V	75W	3.1A
MSM7528	28V	75W	2.7A