



**65 Watt\* Open-Frame Power Supply**  
**PSA065M Single Output 2" x 4" Medical Series**



*\*45W Convection, 65W 20CFM Airflow cooling*

**Features**

- 2 x 4 Footprint
- Low-Cost
- Low Profile Design Fits 1U Applications
- Low Leakage Current

**Applications**

- Medical Equipment
- Touch Screen Displays
- Gaming

**Safety Approvals**

- cUL/UL 60601-1
- CE (Low Voltage Directive)
- IEC 60601-1

**Mechanical Characteristics**

- Length: 101.6mm (4.0in)
- Width: 50.8mm (2.0in)
- Height: 30.6mm (1.2in)
- Weight: 160g (5.64oz)

**Output Specifications**

Model	DC Output Voltage	Load		Ripple* P-P (max.)	Regulation	
		Min.	Max.		Line	Load
PSA065-120M	+12V	0A	3.75A	120mV	±2%	
PSA065-240M	+24V	0A	1.88A	240mV	±2%	
PSA065-480M	+48V	0A	0.94A	480mV	±2%	

\*Measured by using a 12 inch twisted pair terminated with a 10uF capacitor and a 0.1uF ceramic in parallel, measured at maximum load after a 20 minute warm up and bandwidth set to 20MHz.

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**Input:**

**AC Input Voltage Rating**

100 to 240V AC

**AC Input Voltage Range**

90 to 264V AC

**AC Input Frequency**

47 to 63Hz

**Input Current**

1.5A at maximum load and 115V AC  
0.75A at maximum load and 230V AC

**Leakage Current**

100uA maximum at 264V AC

**Inrush Current**

20A for 1150V AC at maximum load  
40A for 230V AC at maximum load

**Hold-up Time**

10mS typical at maximum load and 115V AC

**Output:**

**Efficiency**

80% Typical at maximum load and 115V AC

**Over-Voltage Protection**

+48V DC at +72V DC maximum

**Over-Current Protection**

Auto-restart

**Input Protection**

Fuse in line and neutral

**Environmental:**

**Temperature**

Operation 0 to 50°C  
Non-operation -25 to +85°C  
Humidity 5 to 95%

**Emissions**

FCC Class B  
EN55022 Class B

**Immunity**

EN55024 1998  
EN61000-4-2 Level 3  
EN61000-4-3 Level 2  
EN61000-4-4 Level 3  
EN61000-4-5 Level 3  
EN61000-4-6 Level 2  
EN61000-4-11  
EN61000-3-2 Harmonic Class A  
EN61000-3-3 Flicker

**General:**

**Insulation Resistance**

10M Ohm minimum, 500V DC

**Dielectric Withstand (Hi-pot) Test**

Input to Ground: 1600V AC for 3 seconds, 10mA  
Input to Output: 4200V AC for 3 seconds, 10mA

**Switching Frequency**

50K Hz typical

**MTBF (Full load and 110V AC, 25°C)**

>100K Hrs

**Input Connector**

Molex 09-51-4034 housing with Molex 08-50-0106 pins

**DC Output Connector**

Molex 26-03-4041 housing with Molex 08-50-0189 pins.

**PSA065M Dimension Diagram: Unit mm**

