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



c**AT**us ((

Features

- 2 x 4" Footprint
- Low-Cost

- Low Profile Design Fits 1U Applications
- Low Leakage Current

Applications

- Medical Equipment
- Touch Screen Displays

Gaming

Designed to Meet

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

• IEC 60601-1

Mechanical Characteristics

- Length: 101.6mm (4.0in)
- Width: 50.8mm (2.0in)

• Height: 28.1mm (1.11in)

• Weight: 180g (6.35oz)

Output Specifications

Model	DC Output	Load			Ripple (1)	Regulation	
Model	Voltage	Min.	Convection	20cfm	P-P (max.)	Line	Load
PSA065-120M	+12V	0A	3.75A	5.42A	120mV	±2%	±2%
PSA065-240M	+24V	0A	1.88A	2.71A	240mV	±2%	±2%
PSA065-480M	+48V	0A	0.94A	1.36A	480mV	±2%	±2%

⁽¹⁾ Measured by-pass capacitors 0.1uF / 100uF at output connector terminal and oscilloscope set at 20 Mhz.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit www.phihong.com for the most up-to-date specifications.

PSA065M Characteristics

INPUT: AC Input Voltage Rating

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Frequency

47 to 63Hz

Input Current

1.5A @ 115VAC 0.75A @ 230VAC

Leakage Current

100uA maximum at 264VAC, 60Hz

Inrush Current (cold)

30A maximum for 115VAC at full load 60A maximum for 230VAC at full load (Cold start @ ambient 25°C)

OUTPUT:

Efficiency

80% minimum at maximum load, 115VAC/60Hz

Hold-up Time

>10mS at maximum load, 115VAC/60Hz

Over-voltage Protection

By zener clamp, auto-restart

Over-current Protection

Auto-restart

ENVIRONMENTAL:

Temperature

Operation 0° C to $+50^{\circ}$ C Non-operation -25°C to +85°C

Humidity

Operation 5% to 95% non-condensing Non-Operation 5% to 95% non-condensing

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Emissions

FCC Class B Conducted EN55022 Class B Conducted EN60601-1-2: 2001 Conducted

Reliability

MTBF 250,000 hours minimum at 25°C, with full load, with 20cfm forced air, at 120VAC/60Hz

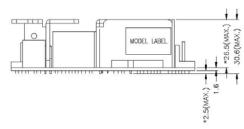
Input Mating Connector

Molex 09-52-4034 housing with Molex 08-50-0106 pins

Output Mating Connector

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

Dimension Diagram Unit: mm



SNO SO(REF.)	180 300 AB 1	
AIR FLOW 20 CFM	*95 *101.6 ************************************	



	CN2.	OUTPUT CONN	ECTOR
	PIN	DESCRIPTION	
	1	RTN	
	2	RTN	
	3	V+	
ı	И	V/±	

