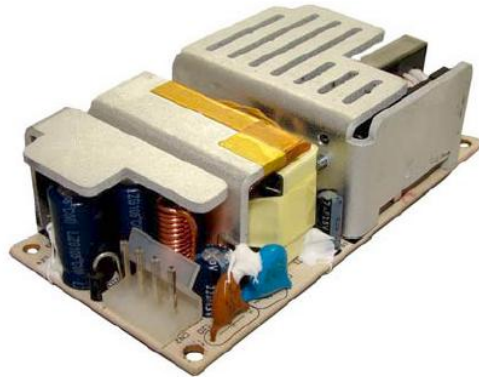




**65 Watt* Open-Frame Power Supply
PSA065M Single Output 2" x 4" Medical Series**



**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.

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

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

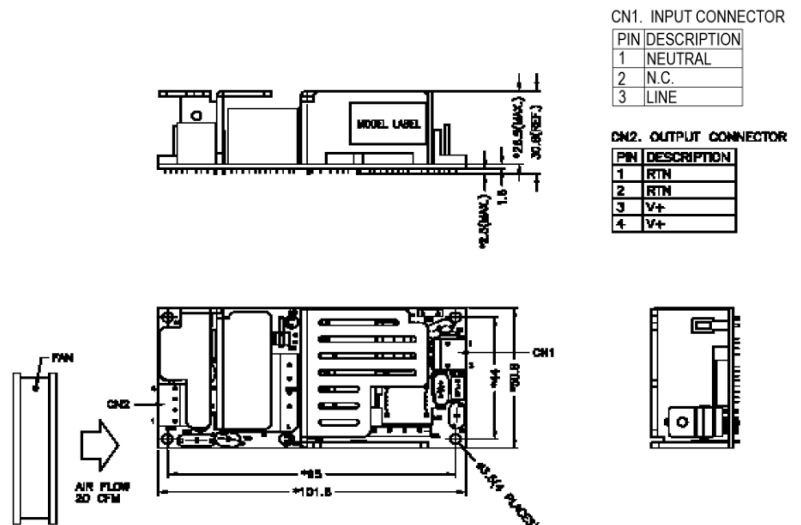
Input Connector

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



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[PSA065-120\(M\)-R](#) [PSA065-240\(M\)-R](#) [PSA065-480\(M\)-R](#)