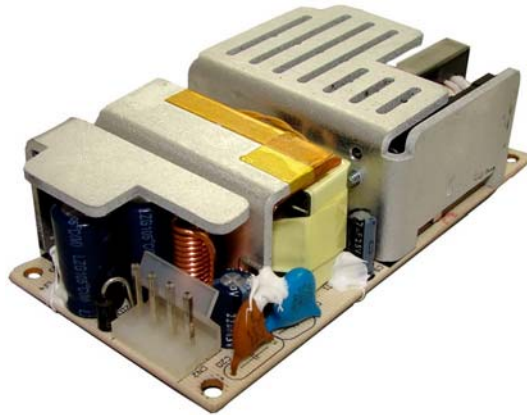




65 Watt* Open-Frame Power Supply PSA065M Single Output 2 x 4" Medical Series



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 (1.1in)
- Weight: 180g (6.35oz)

Output Specifications

Model	DC Output Voltage	Load			Ripple (1) P-P (max.)	Regulation	
		Min.	Convection	20cfm		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.

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°C
Non-operation -25°C to +85°C

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

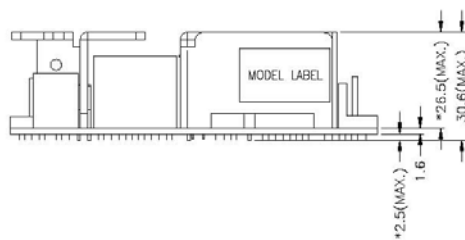
Emissions
FCC Class B Conducted
EN55022 Class B Conducted
EN60601-1-2: 2001 Conducted

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



CN1. INPUT CONNECTOR

PIN	DESCRIPTION
1	NEUTRAL
2	N.C.
3	LINE

CN2. OUTPUT CONNECTOR

PIN	DESCRIPTION
1	RTN
2	RTN
3	V+
4	V+

