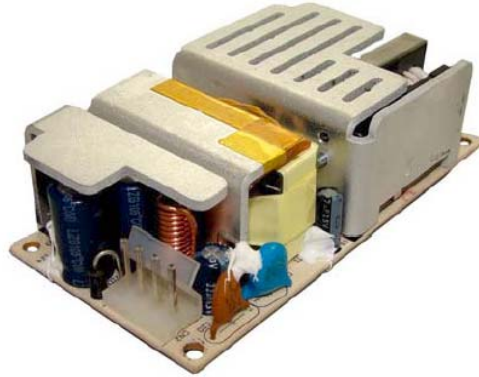




**65 Watt\* Open-Frame Power Supply  
PSA065 Single Output 2" x 4" Series (for ITE)**



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

**Features**

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

**Applications**

- Telecom/Datacom
- Peripherals
- Industrial

**Safety Approvals**

- cUL/UL 60950-1
- CE (Low Voltage Directive)
- IEC 60950-1

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

(1) 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.

**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**  
30A for 1150V AC at maximum load  
60A for 230V AC at maximum load  
(Cold start at ambient 25°C)

**Hold-up Time**  
10mS typical at maximum load and 115V AC

**Output:**  
**Efficiency**  
80% minimum 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**

Operation 5 to 95% non-condensing

**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**

