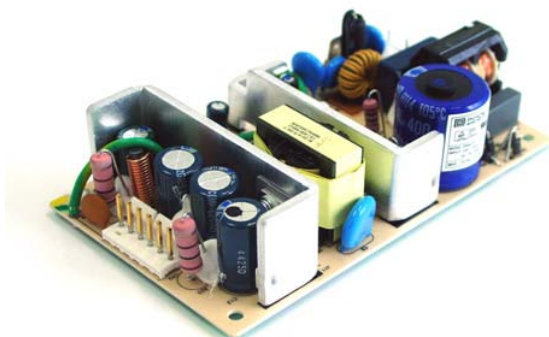




## 75 Watt Low Cost Open Frame Power Supply PSA075 Single Output Series



### Features

- 3"x 5" Footprint
- Low Profile fits 1U Height Requirement
- Class B Conducted EMI
- Low Cost
- Zero Minimum Load
- Over Voltage and Short Circuit Protection

### Applications

- Tape/Disk Drive Systems
- POS Terminals
- Internet Servers
- Peripherals
- Routers
- Networking

### Safety Approvals

- cUL/UL
- CE (Low Voltage Directive)
- TUV

### Mechanical Characteristics

- Length: 127mm (5inch)
- Width: 76.2mm (3inch)
- Height: 33.10mm (1.30inch)
- Weight: 0.22Kg (7.76oz.)

### Output Specifications

Model	DC Output Voltage	Load		Output Power	Ripple (2) P-P (max.)	Regulation Line / Load	
		Min.	Max.(1)				
PSA075-050	+5V	0A	11A	55W	100mV	±1%	±3%
PSA075-120	+12V	0A	6.25A	75W	120mV	±1%	±2%
PSA075-240	+24V	0A	3.125A	75W	240mV	±1%	±2%

(1) 20CFM forced air required.

(2) Measured by using a 12 inch twisted pair terminated with a 10uF capacitor and a 0.1uF ceramic capacitor in parallel.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit [www.phihong.com](http://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**  
2A (rms) maximum @ 120VAC  
1A (rms) maximum @ 240VAC

**Leakage Current**  
< 3.5mA 264VAC, 60Hz

**Inrush Current (cold)**  
40A for 120VAC at maximum load  
80A for 240VAC at maximum load  
(Cold start @ ambient 25°C)

**OUTPUT:**

**Efficiency**  
+5V: 65%; +12V: 70%; +24V: 75% minimum

**Hold-up Time**  
10mS minimum @ maximum load, and 120VAC 60Hz

**Over-Voltage Protection**  
PSA075-050: 6.8V maximum, Auto-Restart  
PSA075-120: 16V maximum, Auto-Restart  
PSA075-240: 31V maximum, Auto-Restart

**Short Circuit Protection**  
Output equipped with short circuit protection – auto restart  
Output can be shorted permanently without damage

**ENVIRONMENTAL:**

**Temperature**  
Operation 0 to +50°C  
Non-operation -25 to +85°C

**Humidity**  
Operation 10 to 95% Non-Condensing  
Non-operation 5 to 95% Non-Condensing

**Emissions**  
Conducted: FCC Class B  
EN55022 Class B  
Radiated: FCC Class A  
EN55022 Class A

**Immunity EN55024:**

EN61000-4-2 Level 3  
EN61000-4-3 Level 2  
EN61000-4-4 Level 2  
EN61000-4-5 Level 3  
EN61000-4-6 Level 2  
EN61000-4-11

**Harmonic:** EN61000-3-2 Class A (A1+A2+A14)  
**Flicker:** EN61000-3-3

**Dielectric Withstand (Hi-pot) Test**  
Input to FG: 1500VAC for 1minute 10mA

**Insulation Resistance**  
Primary to Secondary: >10M OHM 500VDC

**Input Connector**

Input header: Molex 09-65-2038 or equivalent (Pin 2 N.C.)  
Mating: Molex 09-50-1031 or equivalent

**Output Connector**

Output header: Molex 09-65-2068 or equivalent  
Mating: Molex 09-50-1061 or equivalent

**Dimension Diagram Unit: mm (inch)**

