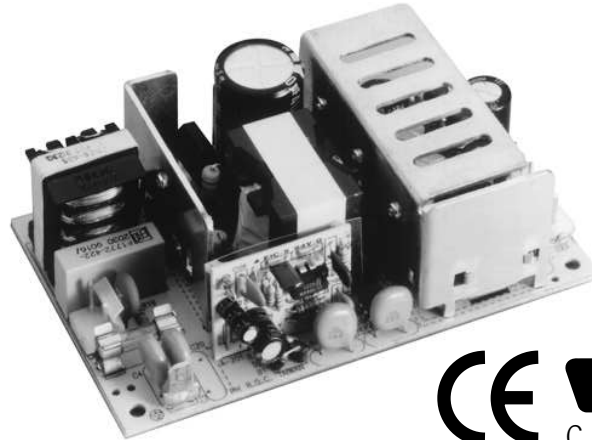


# 60W Universal Input Series PSA60 Series Switching Power Supply



## Features

- \* High efficiency
- \* Over voltage protection
- \* Built-in EMI filter
- \* Short circuit protection

## Applications

- \* Disk/Tape drive systems
- \* Peripheral equipment
- \* Microprocessor systems
- \* Mixed logic applications

## Safety Compliance

- \* cUL 1950
- \* CSA 22.2 234
- \* TUV EN60950
- \* CE (Low Voltage Directive)

## Mechanical Characteristics

- Dimensions: \* Length: 127mm (5.0in) \* Height: 40mm (1.58in)  
 \* Width: 76.2mm (3.0in) \* Weight: 0.36kgs (0.79lbs)

## Output Specifications

Model	DC Output Voltage	Load				Ripple P-P	Total Regulation	Output Pins
		Min.	Max.	@20CFM	Peak			
PSA60-105	+5V	0.0A	10A	10A	12A	50mV	±2%	1,2,3
PSA60-112	+12V	0.0A	5.0A	6.6A	8.3A	120mV	±2%	1,2,3
PSA60-115	+15V	0.0A	4.0A	5.3A	6.6A	150mV	±2%	1,2,3
PSA60-124	+24V	0.0A	2.5A	3.3A	4.2A	240mV	±2%	1,2,3
PSA60-148	+48V	0.0A	1.2A	1.4A	2.1A	480mV	±2%	1,2,3
PSA60-202	+5.1V	1.0A	6.0A	8.0A	8.0A	50mV	±2%	2,3
	+24V	0.1A	1.3A	1.8A	2.0A	240mV	±5%	1
PSA60-203	+5.1V	1.0A	4.0A	6.0A	8.0A	50mV	±2%	2,3
	+12V	0.3A	3.5A	4.5A	8.0A	120mV	±5%	1
PSA60-301	+5.1V	1.0A	6.0A	8.0A	10A	50mV	±2%	2,3
	+12V	0.3A	2.2A	3.0A	6.0A	120mV	±5%	1
	-12V	0.0A	0.3A	0.5A	1.5A	120mV	±5%	6
PSA60-303	+5.1V	1.0A	6.0A	8.0A	10A	50mV	±2%	2,3
	+12V	0.3A	2.2A	3.0A	6A	120mV	±5%	1
	-5V	0.0A	0.5A	0.5A	1.5A	50mV	±5%	6
PSA60-304	+5.1V	1.0A	6.0A	8.0A	8.0A	50mV	±2%	2,3
	+15V	0.3A	1.5A	2.0A	2.0A	150mV	±5%	1
	-15V	0.0A	0.5A	0.5A	0.5A	150mV	±5%	6

(1) Total output power must not exceed 60W at convection cooling and 80W at 20CFM air flow cooling.

(2) Peak output current lasting less than 30 seconds with duty cycle less than 10%. During peak loading, peak total power must not exceed 80W.

(3) Ripple & noise is measured at 20MHz bandwidth limit by use a 12 inch twisted wire terminated with a 10-4 capacitor in parallel 0.1-4 ceramic capacitor.

**TRC Electronics, Inc.**  
 Authorized Stocking Distributor  
 T: 973.779.8282 F: 973.779.1490  
 www.trcelectronics.com

## PSA60 Characteristics

POWER SUPPLY

### AC Input Voltage

90VAC-264VAC

### AC Frequency

47 to 63Hz

### AC Input Current

1.4A(rms) for 115VAC

0.7A(rms) for 230VAC

### Efficiency

70% typical at full load

### Hold-up Time

12msec. at full load,

115VAC input

### Overvoltage Protection

>120% on main output

### Overcurrent Protection

All outputs equipped with automatic recovery current limiting circuit

### Operation Temperature

0 to +25°C Full rated load

Derates to 85% at +50°C

Derates to 50% at +70°C

### Temperature Coefficient

0.04% per°C

### Storage Temperature

-25°C to +85°C

### MTBF

Calculated

Greater than 110,000 hours,  
full load, 25°C

(MIL-HDBK-217F)

### Emissions

FCC Class B

EN 55022 B

### Immunity

EN 50082-1: 1997

61000-4-2, Level 3

61000-4-3, Level 2

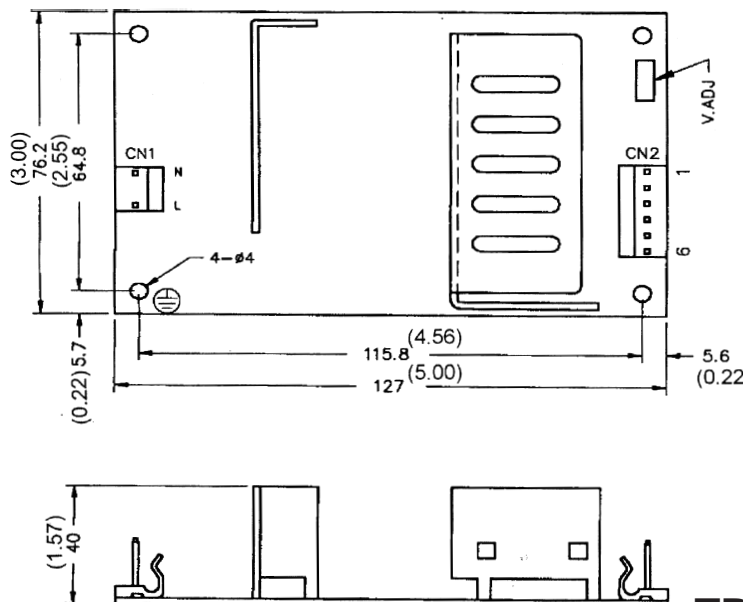
61000-4-4, Level 2

61000-4-5, Level 3

61000-4-6, Level 2

61000-4-11

## Dimension Diagram Unit: mm (inch)



Output Connections:

CN2	Single	Multiple
Pins 1,2,3:	See Chart	See Chart
Pins 4,5:	Common return	Common return
Pins 6:	Common return	See Chart

CN1: Input: Molex 09-50-3031 or equivalent CN2: Molex 09-50-3061 or equivalent

**TRC Electronics, Inc.**  
 Authorized Stocking Distributor  
 T: 973.779.8282 F: 973.779.1490  
[www.trcelectronics.com](http://www.trcelectronics.com)