



PSA-60



80WATT* OPEN FRAME SWITCHING POWER SUPPLY

Dimensions

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

*Rated at 20CFM air flow cooling

MODEL	OUTPUT VOLTAGE	LOAD		
		Min.	Max.	@20CFM
PSA-60-105*	+5V	0A	10A	10A
PSA-60-112	+12V	0A	5A	6.6A
PSA-60-115*	+15V	0A	4A	5.3A
PSA-60-124	+24V	0A	2.5A	3.3A
PSA-60-148*	+48V	0A	1.2A	1.4A
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PSA-60-202*	+5V	1.0A	6.0A	8.0A
	+24V	0.1A	1.3A	1.8A

PSA-60-203	+5V	1.0A	4.0A	6.0A
	+12V	0.3A	3.5A	4.5A

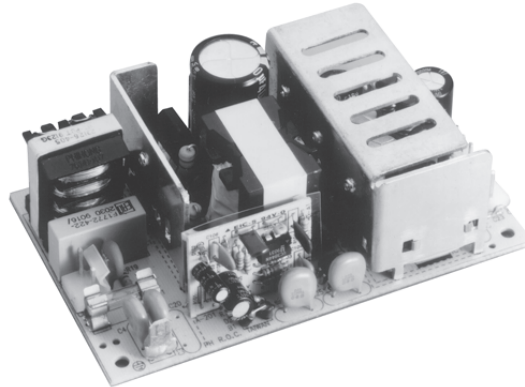
PSA-60-301*	+5V	1.0A	6.0A	8.0A
	+12V	0.3A	2.2A	3.0A
	-12V	0.0A	0.3A	0.5A

PSA-60-303*	+5V	1.0A	6.0A	8.0A
	+12V	0.3A	2.2A	3.0A
	-5V	0.0A	0.5A	0.5A

PSA-60-304*	+5V	1.0A	6.0A	8.0A
	+15V	0.3A	1.5A	2.0A
	-15V	0.0A	0.5A	0.5A



80W* Universal Input Series PSA60 Series Switching Power Supply



*80W rated at 20CFM air flow cooling

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)
 - Width: 76.2mm (3.0in)
 - Height: 40mm (1.58in)
 - Weight: 0.36kgs (0.79lbs)

Output Specifications

Model	DC Output Voltage	Load			Ripple P-P	Total Regulation	Output Pins
		Min.	Max.	@20CFM			
PSA60-105	+5V	0.0A	10A	10A	50mV	±2%	1,2,3
PSA60-112	+12V	0.0A	5.0A	6.6A	120mV	±2%	1,2,3
PSA60-115	+15V	0.0A	4.0A	5.3A	150mV	±2%	1,2,3
PSA60-124	+24V	0.0A	2.5A	3.3A	240mV	±2%	1,2,3
PSA60-148	+48V	0.0A	1.2A	1.4A	480mV	±2%	1,2,3
PSA60-202	+5V (V1)	1.0A	6.0A	8.0A	50mV	±2%	2,3
	+24V (V2)	0.1A	1.3A	1.8A	240mV	±5%	1
PSA60-203	+5V (V1)	1.0A	4.0A	6.0A	50mV	±2%	2,3
	+12V (V2)	0.3A	3.5A	4.5A	120mV	±5%	1
PSA60-301	+5V (V1)	1.0A	6.0A	8.0A	50mV	±2%	2,3
	+12V (V2)	0.3A	2.2A	3.0A	120mV	±5%	1
	-12V (V3)	0.0A	0.3A	0.5A	120mV	±5%	6
PSA60-303	+5V (V1)	1.0A	6.0A	8.0A	50mV	±2%	2,3
	+12V (V2)	0.3A	2.2A	3.0A	120mV	±5%	1
	-5V (V3)	0.0A	0.5A	0.5A	50mV	±5%	6
PSA60-304	+5V (V1)	1.0A	6.0A	8.0A	50mV	±2%	2,3
	+15V (V2)	0.3A	1.5A	2.0A	150mV	±5%	1
	-15V (V31)	0.0A	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 10µf capacitor in parallel 0.1µf ceramic capacitor.

PSA60 Characteristics

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 +50°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

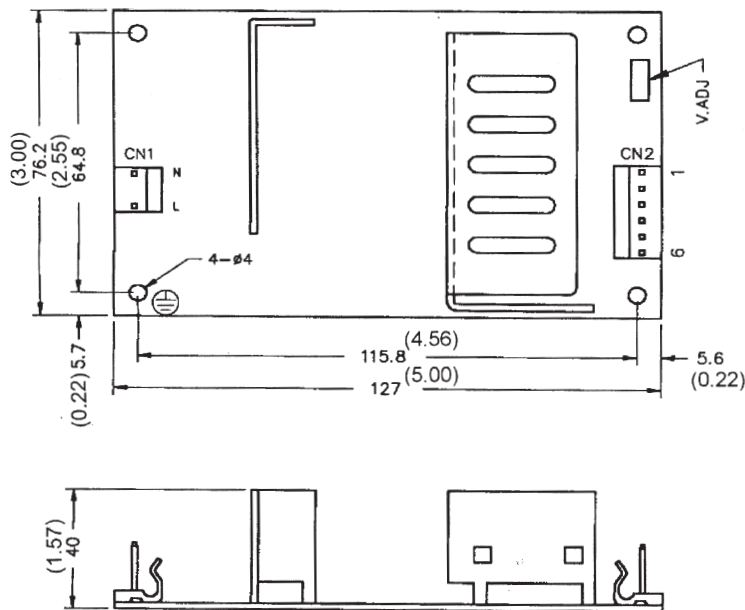
61000-4-4, Level 2

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