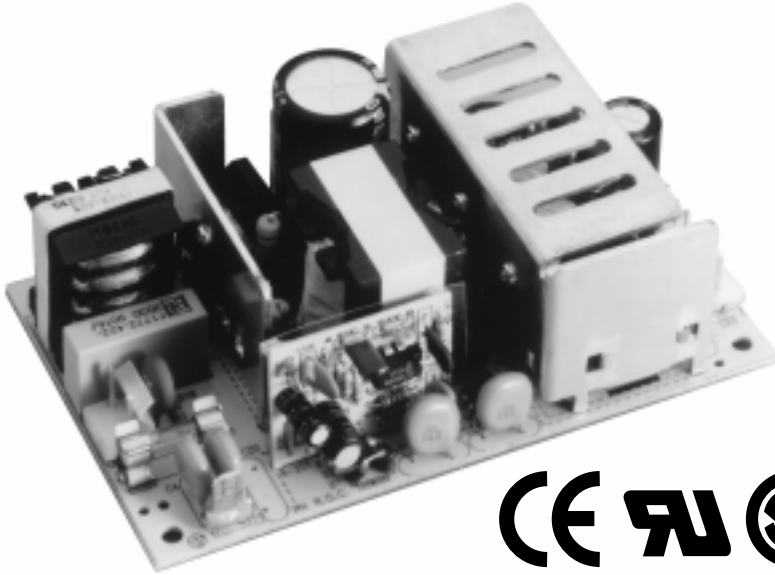


# 60W Universal Input Series

## PSA-60 Series Switching Power Supply



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### 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

- UL 1950 [E134610]
- CSA 22.2 234 [LR 56927-137]
- CE (Low Voltage Directive)
- VDE 0805/IEC 950 [74709]
- CB Report [DE3827]

### 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 Tolerance	Output Pins
		Min.	Max.	@20CFM	Peak			
PSA-60-105	+5V	0.0A	10A	10A	12A	50mV	+2%	1,2,3
PSA-60-112	+12V	0.0A	5.0A	6.6A	8.3A	120mV	+2%	1,2,3
PSA-60-115	+15V	0.0A	4.0A	5.3A	6.6A	240mV	+2%	1,2,3
PSA-60-124	+24V	0.0A	2.5A	3.3A	4.2A	150mV	+2%	1,2,3
PSA-60-148	+48V	0.0A	1.2A	1.4A	2.1A	480mV	+2%	1,2,3
PSA-60-202	+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
PSA-60-203	+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
PSA-60-301	+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
PSA-60-303	+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
PSA-60-304	+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 condition.
- (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 10 inch twisted wire terminated with a 10µf capacitor in parallel 0.1µf ceramic capacitor.

ISO 9001 • BAPT  
Facility Approvals

# 60W Universal Input Series PSA-60 Series Switching Power Supply

## Characteristics

**AC input Voltage**  
90VAC-260VAC

**AC Frequency**  
47 to 63Hz

**AC Input Current**  
1.4A(rms) for 115VAC  
0.7A(rms) for 230VAC

**DC Output**  
See Chart

**Efficiency**  
70% typical at full load

**Hold-up Time**  
12msec. at full load,  
115VAC input

**Overvoltage Protection**  
5.6V to 6.5V on main output

**Overcurrent Protection**  
All outputs equipped with auto-  
matic 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-217)

**Emissions**  
FCC Class B  
EN 50081-1: EN 55022 B

**Immunity**  
EN 50082-1: IEC 801-2 Level 3  
IEC 801-3 Level 2  
IEC 801-4 Level 2



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## Dimension Diagram Unit: mm (inch)

