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TECHNOLOGY GROUP

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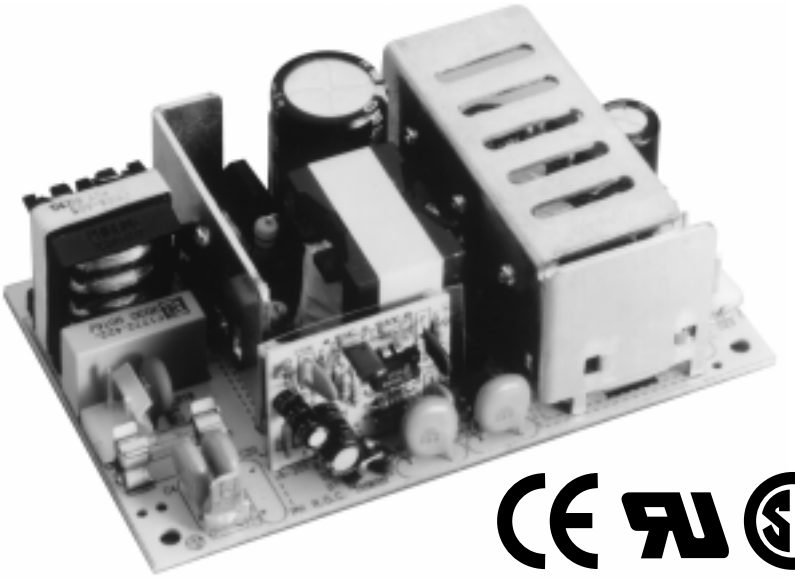
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60W Universal Input Series

PSA-60 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

- 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.

PFING

ISO 9001 • BABT
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 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

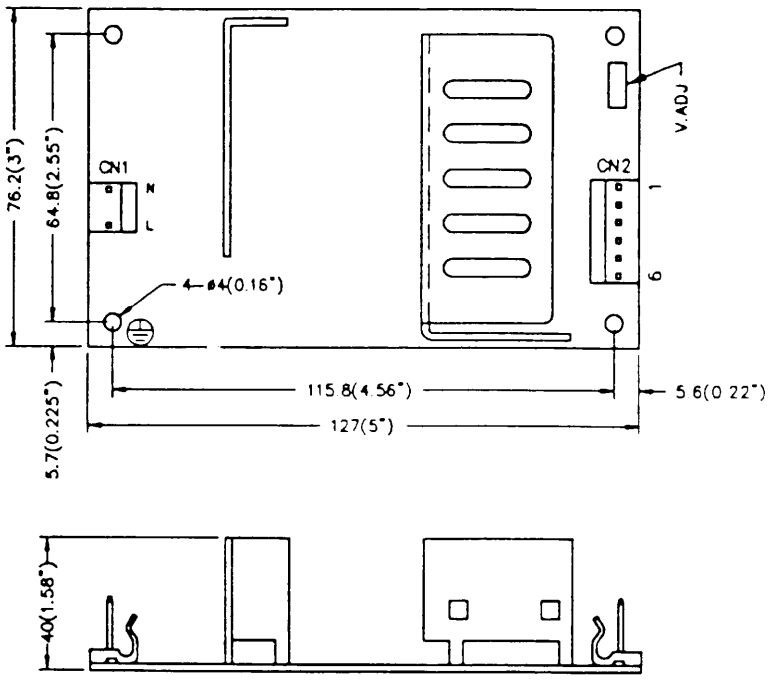
Storage Temperature
-25˚C to +85˚C

MTBF
Calculated
Greater than 110,000 hours, full load, 25˚C
(MIL-HDBK-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

Dimension Diagram Unit: mm (inch)



Output Connections:

	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

60/605

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