



## 40W Series Multiple Output Adapter Switching Power Supply



### Features

- Universal Input from 90-264VAC
- Built-in EMI Filter-Class B
- Overvoltage and Short Circuit Protection
- Compact Size

### Applications

- Microcomputers
- Desktop Peripherals
- Instruments
- Test Equipment

### Safety Approvals

- UL 1950
- CSA 22.2 Std 223, Class II
- TUV EN 60950 (IEC 950)
- CE (only on PSA46-301)

### Mechanical Characteristics

- Dimensions:
- Length: 166mm (6.54in)
  - Width: 80mm (3.15in)
  - Height: 56.5mm (2.23in)
  - Weight: 0.57Kgs (1.25lbs)

### Output Specifications

Model	DC Output Voltage	Load			Ripple(1) P-P	Regulation(2)	
		Min.	Max.	Peak		Line	Load
PSA46-301	+5V	0.5A	3.0A	4.0A	50mV	±2%	±5%
	+12V	0.5A	2.0A	4.0A	150mV	±2%	±5%
	-12V	0.0A	0.3A		150mV	±2%	±8%
PSA46-304	+5V	0.5A	3.0A	4.0A	50mV	±2%	±5%
	+15V	0.3A	1.6A	2.0A	180mV	±3%	+5/-8%
	-15V	0.0A	0.3A		180mV	±3%	+5/-8%

#### NOTES:

- (1) Ripple and noise is measured using a 12 inch twisted pair terminated with a 10 $\mu$ f capacitor in parallel with a 0.1 $\mu$ f ceramic capacitor.
- (2) Line regulation measured from low to high line with output at maximum load. Load regulation measured from 30 to 100% load at nominal line voltage.
- (3) Black cases as standard, other colors, please contact us.

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**AC Input Voltage**

90VAC-264VAC

**AC Frequency**

47 to 63Hz

**AC Input Current**

1.0A(rms) for 120VAC

0.5A(rms) for 240VAC

**Inrush Current**

40A at cold start

**Efficiency**

70% min. at max.load

**Hold-up Time**

10msec. at full load, 115VAC

**Switching Frequency**

50KHz, typical

**Overvoltage Protection**

5.6 to 6.8VDC (+5 only)

**Overcurrent Protection**

Output is equipped with short circuit protection

**Humidity**

20-85%, non-condensing

**Operation Temperature**

0 to +40°C

**Storage Temperature**

-40 to +70°C

**Storage Coefficient**

0.04% per°C

**MTBF**

Greater than 50,000 hours, full load, 25°C

(MIL-HDBK-217F)

**EMI**

FCC Class B rules

EN 55022 B

**Mating Connectors**

AC: IEC320 C13 Cord

DC: 5PIN DIN, 180°, female

Dimension Diagram Unit: mm (inch)

