



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 10µf capacitor in parallel with a 0.1µf 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.

Phihong is not responsible for any errors or changes. Please contact the factory and visit www.phihong.com for the most up-to-date specifications.

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)

