

# 50W Series

## Single Output Adaptor Switching Power Supply



GNOM  
OFF  
P

### Features

- Universal Input from 90-264VAC
- Built-in Class B EMI filter
- Overvoltage and Short Circuit Protection
- Light Weight

### Applications

- Microcomputers
- Desktop Peripherals
- Printers
- Instruments

### Safety Approvals

- UL 1950
- CSA 22.2 223 or 1402C Level 3
- TUV EN 60950 (IEC 950)

### Mechanical Characteristics

- Dimensions:
- Length: 166mm (6.54in)
  - Width: 80mm (3.15in)
  - Height: 56.5mm (2.23in)
  - Weight: 0.55 Kgs (1.22lbs)

### Output Specifications

Model	DC Output Voltage	Load		Ripple P-P	Total Tolerance	Safety Comments
		Min.	Max.			
PSA-124 (P)*	12V	0.1A	4.2A	150mV	+0.5VDC	Listed
PSA-153 (P)*	15V	0.1A	3.6A	150mV	+0.5VDC	
PSA-183 (P)*	18V	0.1A	3.0A	150mV	+0.5VDC	
PSA-242 (P)*	24V	0.1A	2.2A	200mV	+0.5VDC	Listed

(1) \*Suffix(P) for output connector center polarity positive.  
(2) Black color is standard, other colors, please contact us.  
(3) 2.5mm inner diameter connector is alternative.

ISO 9001 · BAPT · MITI  
Facility Approvals



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# 50W Series

## Single Output Adaptor Switching Power Supply

### Characteristics

**Ac Input Voltage**  
90VAC-264VAC

**AC Frequency**  
47 to 63Hz

**AC Input Current**  
1.0A(rms) for 120VAC  
0.5A(rms) for 240VAC

**AC Inrush Current**  
40A at cold start (230V)

**Humidity**  
20-90% Non-condensing

**Efficiency**  
70% min. at max. load

**Hold-up Time**  
16msec. min. at full load @110V

**Switching Frequency**  
25KHz typical

**Overvoltage Protection**  
At 110-130% of rated voltage

**Overcurrent Protection**  
Output is equipped with short circuit protection

**Operation Temperature**  
0 to +40°C

**Storage Temperature**  
-40 to +70°C

**Temperature Coefficient**  
0.05% per °C

**MTBF**  
Calculated  
Greater than 100,000 hours,  
(MIL-HDBK-217)

**EMI Requirements**  
FCC Class B rules  
VDE 0871 Class B rules

**AC Connector**  
IEC EN60302/C13

**DC Connector**  
2.1mm Coaxial power plug

### Dimension Diagram Unit: mm (inch)

