

# 18W Plug-In Adaptor Series

## PSA-18 Double Insulated Switching Adaptor



GREEN  
MONITOR  
FILTER  
P

### Features

- Compact size
- Light weight
- Reliable design
- Short circuit proof

### Applications

- Portable electronics
- Small computers, PDA's
- Compact peripheral devices
- Business machines

### Safety Approvals

- UL 1310 Class II
- CSA 22.2 223 Class II

### Mechanical Characteristics

- Dimensions:
- Length: 88mm (3.46in)
  - Width: 58mm (2.28in)
  - Height: 28mm (1.1in)
  - Weight: 141.75gm (5oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P	Regulation (2)	
		Min.	Max.		Line	Load
PSA-18-050	5.1V	0A	2.5A	50mV	+1%	+5%
PSA-18-120	12V	0A	1.5A	120mV	+1%	+5%

(1) Measured by using a 12 inch twisted pair terminated with a 10 $\mu$ F capacitor and 0.1 $\mu$ F ceramic capacitor in parallel.

(2) With one meter (39 in.) 18 AWG cord attached, output will be at the nominal voltage with a total regulation of +5%.

ISO 9001 • BABT  
Facility Approvals



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# 18W Plug-In Adaptor Series PSA-18 Double Insulated Switching Adaptor

## Characteristics

**AC Input Voltage**  
90VAC-132VAC

**AC Frequency**  
47 to 63Hz

**AC Input Current**  
0.5A at 115VAC

**AC Leakage Current**  
0.5mA (max.)

**AC Inrush Current (Cold)**  
40A at 110VAC, 25°C

**Efficiency**  
70-75% typical at full load

**Hold-up Time**  
16msec. at full load,  
115VAC

**Switching Frequency**  
50KHz, typical

**Overcurrent Protection**  
Short circuit protected

**Operation Temperature**  
0 to 40°C

**Storage Temperature**  
-40 to +85°C

**MTBF**  
Calculated  
Greater than 150,000 hours,  
full load, 25°C  
(MIL-HDBK-217)

**EMI**  
FCC Class B

**AC Connector**  
Flat blade, unpolarized

**DC Connector (2.1mm)**  
Center positive; shell is return.

Dimension Diagram Unit: mm (inch)

