



# 130W Universal Input PSA150U Switching Power Supply Series



## Features

- Universal Input
- Class B EMI Compliant
- 85% Efficiency

## Applications

- Industrial Controls
- Imaging Machines
- Networking
- Gaming Machines
- Portable Equipment
- Telecommunication Equipment

## Safety Approvals

- TUV EN60950
- CE
- cUL 60950 3rd Edition

## Mechanical Characteristics

- Dimensions:
- Length: 225mm (8.86in)
  - Width: 114mm (4.49in)
  - Height: 52.5mm (2.07in)
  - Weight: 1.3Kg (2.9lb)

## Output Specifications

Model	DC Output Voltage	Load		Ripple(1) P-P	Regulation	
		Min.	Max.		Line	Load
PSA150U-240	24V	0A	5.4A	240mV	±1%	±5%
PSA150U-480	48V	0A	2.7A	480mV	±1%	±5%

(1) Measured by using a 12 inch twisted pair terminated with a 10 $\mu$ f capacitor and a 0.1 $\mu$ f ceramic in parallel, measured at maximum load.

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**INPUT:**

**AC Input Voltage**

90 to 264 VAC

**AC Input Frequency**

47 to 63Hz

**AC Input Current**

3A(rms) 115VAC at Max. Load

1.5A(rms) 230VAC at Max. Load

**AC Inrush Current (Cold)**

30A for 115VAC at Max. Load

60A for 230VAC at Max. Load

**OUTPUT:**

**Hold-up Time**

12m Sec.Min.

at Max. Load 115VAC/60Hz

**Efficiency**

Typical 85%

**Transient Response**

Within 1% of Normal Voltage  
within 0.5ms, 50% Step Load,  
0.1A/us slew rate

**Overload Protection**

Short Circuit Protection,  
Auto-Restart

**GENERAL:**

**Operation Temperature  
(Convection)**

0 to +40°C

Derate Output Wattage by 2.5%/  
°C from +40°C to +60°C

**Storage Temperature**

-25°C to +85°C

**Operation Humidity**

10 to 95% Non-condensing

**Storage Humidity**

5% to 95% Non-condensing

**Leakage Current**

3.5mA Max. at 254VAC, 50Hz

**Dielectric Withstand (Hipot) Test**

Input to Output:

3000VAC for 1 min., 10mA

Input to FG:

1500VAC for 1 min., 10mA

**EMI**

FCC Class B

EN 55022 Class B

**Immunity**

EN50082-1: 1997

EN61000-4-2 Level 3

EN61000-4-3 Level 2

EN61000-4-4 Level 2

EN61000-4-5 Level 3

EN61000-4-6 Level 2

EN61000-4-11

HARMONIC

EN61000-3-2 (A1+A2+A14)

FLICKER EN61000-3-3

**Dimension Diagram Unit: mm (inch)**

