

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

<sup>(1)</sup> Measured by using a 12 inch twisted pair terminated with a 10 of capacitor and a 0.1 of ceramic in parallel, measured at maximum load.

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.

#### **PSA150U Characteristics**

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 $\Box$ 

#### **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

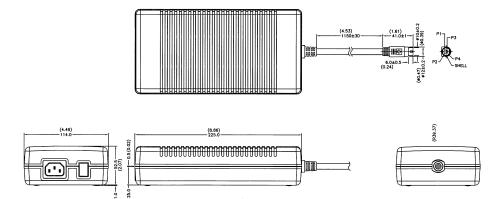
EN61000-4-11

**HARMONIC** 

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

FLICKER EN61000-3-3

## Dimension Diagram Unit: mm (inch)



PIN	DESCRIPTION		
1	V1		
2	СОМ		
3	V1		
4	СОМ		

