



## PSA45U



PSA-45U DUAL OUTPUT ADAPTER  
Switching Power Supply 38W Series  
Universal Input

### Dimensions

Length: 140mm (5.51in)  
Height: 40mm (1.58in)  
Width: 63mm (2.48in)  
Weight: 0.38Kgs (0.84lbs)

MODEL	DC Output Voltage	LOAD	
		Min.	Max.
PSA-45U-201	+5V	0.3A	4.0A
	+12V	0.2A	1.5A



# 38W Series Universal Input PSA-45U Dual and Triple 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 Compliance

- cUL 1950 3rd Edition
- CE
- TUV IEC950 (EN60950)

## Mechanical Characteristics

- Dimensions:
- Length: 140mm (5.51in)
  - Width: 63mm (2.48in)
  - Height: 40mm (1.58in)
  - Weight: 0.38Kgs (0.84lbs)

## Output Specifications

Model	DC Output Voltage	Load		Ripple(1) P-P	Regulation	
		Min.	Max.		Line	Load
PSA-45U-201	+5V	0.3A	4.0A	50mV	±1%	±5%
	+12V	0.2A	1.5A	120mV	±1%	±5%

(1) Ripple and noise is measured using a 12 inch twisted pair terminated with a 10µf capacitor and a 0.1µf ceramic in parallel.

(2) Preliminary models. Coming soon.

# PSA45U Characteristics

# ADAPTER

## INPUT

### AC Input Voltage

90VAC-264VAC

### AC Frequency

47 to 63Hz

### AC Input Current

1.2A(rms) 120VAC at Max. Load

0.6A(rms) 240VAC at Max. Load

### Max. Inrush Current

50A Max. 120VAC at Max. Load

100A Max. 240VAC at Max. Load

## OUTPUT

### Hold-up Time

12m Sec. Min. at Max. Load

and 120VAC

### Overvoltage Protection

Zener Diode Clamping

### Overcurrent Protection

Short Circuit. Auto Restart

## ENVIRONMENTAL

### Humidity

Operation 5-80%

Non-Operation 5-95%

## Temperature

Operation 0 to +40°C

Non-Operation -25°C to 70°C

## EMI

EN 55022 Class B

FCC Class B

VCCI Class B

## GENERAL

### Leakage Current

3.5mA Max.

### Efficiency

70% Typical at Max. Load  
and 120VAC

### Dielectric Withstand (Hipot)

1500VAC for 1 min., 10mA

### Switching Frequency

17-55 KHz

### MTBF

>100K Hrs. at Max. Load and  
240VAC 50 Hz

### Mating Connectors

AC: IEC320 Cord

DC: 5p DIN, 180°, female

## Dimension Diagram Unit: mm (inch)

