

# AL-PS-51V96W

## POWER SUPPLY



### 51 Volt 96 Watt Power Supply

The AL-PS-51V96W power supply is designed for NEC Class 2 applications, with ETL listing, high power factor, and cool operation. It fits exactly into a standard structured media panel using push pins and a 3 x 5 inch hole spacing.

A member of the ATX LED SML family, this device is used to power low-voltage NEC Class 2 loads. It can be combined into load-balanced and failover solutions using the AL-PSE-4D or used standalone.

It has a C14 inlet and a C13 outlet, allowing daisy chaining with limited 120 V outlets in a structured media box.

### Key Specifications

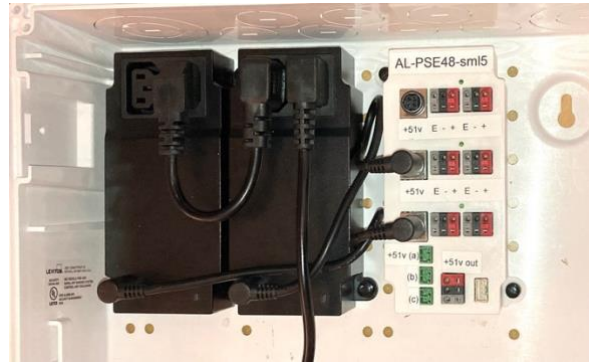
Electrical/Operational	
Input voltage range	100 V to 250 V, 50 - 60 Hz
Output voltage	51 V $\pm$ 5% overvoltage protection
Output current	1.9 A (max) overcurrent protection
Power factor	0.95 or greater
Conversion efficiency	Over 95%
Protection	Inrush current
Operating temperature	0°C to 50°C
Standard Connections	
120 V AC connection	C14 and C13 male/female connector
DC output connector	DIN 4 pin

### Features

- Ideal for PoE or lighting
- Provides 96 W power
- 51 V DC supply
- Easy installation into standard media enclosure
- Cool operation
- Can be daisy-chained for redundancy

### Certifications



- Listed with ETL E5002217 per IEC 62368-1
- Meets FCC RF standards for minimal interference



### DC Cable Options

Short DIN	DIN 4 to DIN 4	20 cm
Long DIN	DIN 4 to DIN 4	40 cm
DIN / 2.1mm	DIN 4 to 2.1x5.5mm	35 cm

### Pin Assignments

Min. DIN 4 Pin (female)	Pin Assignment	
	PIN No.	Output
 	1	+Vo
	2	-Vo
	3	+Vo
	4	-Vo

Main Cable – to 120 V AC outlet C13 to 5-15P		60 cm
Short Jumper – unit to unit C13 to C14		20 cm
Long Jumper – unit to unit C13 to C14		40 cm
Mains Out – for other devices C14 to 5-15R		15 cm

### Part Numbering

