

AL-PS-51V96W

LOW VOLTAGE POWER SUPPLY



96 W Power Supply for AL-PSE-4D

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 14 x 14" structured media panel using push pins and a 3 x 5" 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 90%
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	DIN4 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

- ETL E500649 listed
- UL 60730 listed
- Meets FCC RF standards for minimal interference

Dimensions

External size	70 mm x 147 mm x 30 mm
Tabs	10 mm (x2 on 70 mm side)
Horizontal between tabs	76.2 mm



AC Cable Options

Main cable – to 120 V AC outlet C12 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

Ordering Part Numbers

Model	AC Cable	DC Cable	Function
AL-PS-51V96W-A1	Main	DIN4	
AL-PS-51V96W-B1	Jumper	DIN4	ATX LED Lighting with AL-PSE-4D
AL-PS-Cable Kit	4 Types	3 Types	
AL-PS-51V96W-A2	Main	2.1 mm	PoE
AL-PS-51V96W-B3	Main + Jumper	KF246 Terminal	ATX LED Lighting without DCC

Part Numbering

