

24 VDC Power Supply

1200W, 24V DC Power Supply Ideal for Conveyor Applications

Product Description

The OA-120PS-50A utilizes state-of-the-art switch mode technology to convert 120V AC to 24V DC. It has a maximum output capacity of 1200W and an output range of 24 to 28V DC.

The OA-120PS-50A is ready to be mounted and wired right out of the box. Its flexibility and high output capacity makes it an ideal solution for powering highly distributed loads, such as motorized roller conveyor systems. It is also an excellent solution for powering 24V DC; solenoids, high power motors, pumps or any other 24V DC load.

Specifications

Part Number	OA-120PS-50A
Output Voltage Range	24 - 28V DC
Output Tolerance	+ or - 0.5V DC
Max. Output Current	50 Amps
Continuous Power Output	1200 Watts
Noise and Ripple	< 50mV rms
Load Regulation	< 1%
Line Regulation	100mV rms
Typical Efficiency	> 80%
Max. AC Current	20 Amps
Line Voltage	108 - 132 VAC
Line Frequency	47- 63 Hz
Max. Inrush Current, Single Cycle	20 Amps
Short Circuit Protection	YES
Overload Protection	> 100%
Withstand Voltage	1240V
Fan Control	Proportional
Working Temperature	0 - 40°C
Storage Temperature	-20 - 80°C
Dimensions (LxWxD)	12" x 12" x 6"
Weight	27 lbs.

To order:

Part No.: OA-120PS-50A

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Ideal for Motorized Roller Conveyor

Features

- State-of-the-art, switch-mode technology ensures many years of service free operation, even when subjected to extremely harsh conditions.
- Industrial enclosure provides NEMA 1 protection.
- 2/25A circuit breakers are externally accessible.
- ON/OFF power switch for user convenience.
- 4 x 4 junction box allows multiple connection options and effortless access to wiring.
- Tightly regulated output with Ripple and Noise < 50mV rms. This means longer life for motors, solenoids, and other loads.
- Tight line-load regulation ensures that the output voltage holds steady from no load to full load. This keeps motors, solenoids, and other loads at correct voltage even during brown-out situations.

