



1500W LED Power Supply, 12V DC Output, 120-240VAC Input, IP20

- Delivers 1500W output at 12V DC, rated for 125A continuous load
- Accepts 120-240VAC input for flexible line voltage compatibility
- Aluminum alloy housing provides passive heat dissipation
- IP20 enclosure rating for dry, indoor installation environments
- Operates across an ambient temperature range of -30 to 50°C
- Backed by a 1 year manufacturer warranty

OVERVIEW

The P-1500-12 is a 1500W enclosed power supply that converts AC line voltage to 12V DC for commercial and industrial LED lighting installations. It suits applications requiring high-current, stable low-voltage output, including large-scale LED strip runs, signage, and architectural lighting systems.

The unit delivers 1500W of output power at 12V DC (125A), accepting 120-240VAC input. The IP20 enclosure rating makes it appropriate for dry, indoor installations. The housing is constructed from aluminum alloy for passive thermal management, and it is rated for ambient operating temperatures of -30 to 50°C.

The unit carries a 1 year warranty.

SPECIFICATIONS

ELECTRICAL

Operating Voltage	120-240 V
Wattage	1,500 W
Current Draw	125 A
Power Supply Input	120VAC
Power Supply Output	12VDC

ENVIRONMENTAL

IP Rating	IP20
Ambient Operating Temperature	-30-50 °C -22-122 °F

MECHANICAL

Material	Aluminum Alloy
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ORDERING

Warranty	1 y
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APPLICATIONS

- Large-scale LED strip lighting runs
- Commercial signage power distribution
- Architectural and cove lighting installations
- Indoor industrial lighting systems

slug	value	source	confidence
operating_voltage	120–240 V	pdf	high
wattage	1,500 W	db	high
current_draw	125 A	pdf	high
ps_input	120VAC	db	high
ps_output	12VDC	db	high
material	Aluminum Alloy	db	high
ip_rating	IP20	db	high
ambient_temp_c	-30–50 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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