



500W LED Power Supply, 12VDC
Output, 110-220VAC Input, IP20
Indoor

- Delivers 500W output at 12VDC, 41.66A continuous current
- Accepts wide-range 110-220VAC input for flexible supply compatibility
- Aluminum enclosure with metallic silver finish for durability
- Compact housing measures 22 × 11.4 × 5.8 cm, weighs 1.9 lb
- Rated IP20 for indoor dry-location installation
- Operates across -30 to 50 degrees C ambient temperature range

OVERVIEW

The Poli P-500 is a 500W indoor LED power supply designed to drive 12VDC LED lighting systems in residential, commercial, and industrial applications. Its wide-range AC input accepts both 110V and 220V sources, making it adaptable to standard low and high voltage supply conditions.

The unit delivers a regulated 12VDC output at 41.66A continuous current, housed in a compact aluminum enclosure with a metallic silver finish measuring 22 × 11.4 × 5.8 cm and weighing 1.9 lb. Rated IP20 for dry indoor environments, it operates across an ambient temperature range of -30 to 50 degrees C.

SPECIFICATIONS

ELECTRICAL

Operating Voltage	110-220 V
Wattage	500 W
Current Draw	41.66 A
Power Supply Input	110 - 220VAC
Power Supply Output	12VDC

ENVIRONMENTAL

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

MECHANICAL

Product Dimensions	22*11.4*5.8cm
Finish	Metallic Silver
Material	Aluminum
Weight	1.9 lb

ORDERING

Warranty	1 y
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APPLICATIONS

Indoor LED strip lighting installations

Commercial signage power distribution

Retail and hospitality display lighting

Industrial LED lighting systems

Residential accent lighting projects

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
operating_voltage	110-220 V	pdf	high

slug	value	source	confidence
wattage	500 W	db	high
current_draw	41.66 A	pdf	high
ps_input	110 - 220VAC	db	high
ps_output	12VDC	db	high
product_dimensions	22*11.4*5.8cm	db	high
finish	Metallic Silver	db	high
material	Aluminum	db	high
weight	1.9 lb	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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