



500W 24VDC Rainproof LED Power Supply, 110-220VAC Input, IP67

- Delivers 500W at a regulated 24VDC output
- Accepts wide-range 110-220VAC input, no converter needed
- Rated IP67 for rainproof, dust-resistant outdoor use
- Aluminum alloy housing for durability in harsh environments
- Rated for ambient operating temperatures from -30C to 50C
- Backed by a 1-year manufacturer warranty

OVERVIEW

The Poli P-FS500-24 is a 500W, 24VDC rainproof LED power supply intended for commercial and industrial LED lighting installations in moisture-prone environments. Its wide-range AC input (110VAC-220VAC) eliminates the need for separate voltage converters across standard North American and international supply configurations.

The unit delivers a regulated 24VDC output at 20.83A, providing stable current to prevent flickering or output variation under load. Built with an aluminum alloy housing and rated IP67, it operates across an ambient temperature range of -30C to 50C and is designed to resist moisture, dust, and other environmental contaminants. Onboard protection circuits guard against over-voltage, over-current, and short-circuit conditions.

SPECIFICATIONS

ELECTRICAL

Operating Voltage	110-220 V
Wattage	500 W
Current Draw	20.83 A
Power Supply Input	110 - 220VAC
Power Supply Output	24VDC

ENVIRONMENTAL

IP Rating	IP67
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

- Outdoor architectural LED lighting
- Landscape and pathway lighting systems
- Signage and channel letter illumination
- Commercial exterior building lighting
- Industrial LED strip installations

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	20.83 A	pdf	high
ps_input	110 - 220VAC	db	high
ps_output	24VDC	db	high
material	Aluminum Alloy	db	high
ip_rating	IP67	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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