



Outdoor LED Power Supply, 600W
Output, 120VAC to 24VDC, IP65 Rated,
Aluminum Alloy

- Converts 120VAC input to 24VDC output for LED fixture runs
- Delivers 600W of continuous output capacity
- IP65 ingress protection for outdoor and wet-location use
- Aluminum alloy enclosure for durability in exposed installations
- Rated for ambient temperatures from -30°C to 50°C
- Backed by a 2-year manufacturer warranty

OVERVIEW

The P-AC600-24 is a constant-voltage power supply that converts 120VAC input to 24VDC output for commercial and landscape LED lighting applications, including pool surrounds, garden installations, and other outdoor environments. Rated at 600W, it supplies sufficient capacity for multi-fixture LED runs on a single circuit.

The enclosure is built from aluminum alloy and carries an IP65 ingress protection rating, allowing installation in locations exposed to dust and water spray. The unit is rated for ambient operating temperatures from -30°C to 50°C, supporting use in a range of outdoor climates.

This power supply includes a 2-year manufacturer warranty.

SPECIFICATIONS

ELECTRICAL

Operating Voltage	24 V
Wattage	600 W
Power Supply Input	120VAC
Power Supply Output	24VDC

MECHANICAL

Material	Aluminum Alloy
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ENVIRONMENTAL

IP Rating	IP65
Ambient Operating Temperature	-30-50 °C -22-122 °F

ORDERING

Warranty	2 y
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APPLICATIONS

- Pool and spa perimeter lighting
- Garden and landscape LED lighting
- Outdoor architectural accent lighting
- Commercial outdoor lighting installations
- Pathway and hardscape lighting circuits

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
operating_voltage	24 V	pdf	medium
wattage	600 W	db	high
ps_input	120VAC	db	high
ps_output	24VDC	db	high
material	Aluminum Alloy	db	high
ip_rating	IP65	db	high
ambient_temp_c	-30–50 °C	db	high
warranty_years	2 y	db	high

Specifications subject to change without notice.

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