

600W 24VDC Waterproof LED Power Supply, IP67, 120–277V AC Input

OVERVIEW

The P-S600-24 is a 600W constant-voltage LED driver rated at 24VDC output, designed for permanent outdoor installation. Its IP67-rated aluminum alloy enclosure provides full protection against dust ingress and temporary water submersion, making it suitable for exterior signage, architectural lighting, and other continuous-duty outdoor LED systems.

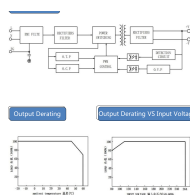
The driver delivers 25A of rated output current across a 178–250V AC input range at 50–60Hz, with a typical efficiency of 90.1%. Output ripple is held below 400mV. Operating temperature range spans -20°C to +45°C. Protections include short-circuit, overload (hiccup mode, 105–200% rated power), over-current, and over-voltage, all with automatic recovery. The unit measures 260 x 78 x 32mm and weighs 1.3kg.

The power supply carries CE and RoHS certifications and meets safety standards UL62368-1 and TUV EN62368-1. EMC emission compliance is per EN55032 Class B; immunity per EN61000-4 series. All units undergo 100% full-load burn-in testing prior to shipment. A 3-year warranty is included.

SPECIFICATIONS

Power	600 W	Weight	1.3 kg
IP rating	IP67	Operating temp	-20 to +45 °C
Input voltage	178-250 VAC	Dimensions	260 x 78 x 32 mm
Warranty	3 years		

BLOCK DIAGRAM



CERTIFICATIONS & COMPLIANCE



RoHS



IP67