

Class 2 Constant Voltage LED Driver, 12VDC 300W, 5-Channel, 120–277VAC, IP67

OVERVIEW

The P-S300-C2-UL is a 12VDC, 300W constant voltage LED driver configured with five independent 5A output channels, designed for commercial LED lighting and moving sign applications. Its universal 120–277VAC input and IP67-rated metal enclosure make it suitable for dry, damp, and wet locations in both indoor and outdoor installations.

The driver delivers up to 88–89% efficiency at full load on 120VAC and operates across a wide ambient temperature range of -40°C to +60°C. Built-in active PFC yields a power factor of 0.99 at 120VAC, with THD below 20% at full load. Output voltage tolerance is held to $\pm 0.5V$ with load regulation of $\pm 1\%$. Short-circuit, overload, and over-temperature protections are included, each with automatic recovery. The unit accepts loads from 0.01% to 100% and is flicker-free.

The driver is UL/cUL listed to UL8750 and UL1310, FCC Part 15 Class B compliant, and carries Type HL and NEMA 4X ratings. It is also Title 24 JA8 compliant. A 7-year warranty is provided.

SPECIFICATIONS

Power	300 W	IP rating	IP67
Input voltage	120-277 VAC	Dimensions	304.4 x 78 x 46 mm
Warranty	7 years	Operating temp	-40 to +60 °C
Weight	1.8 kg		

CERTIFICATIONS & COMPLIANCE



UL Listed



FCC