

300W 24V DC Dimmable LED Driver, Triac & 0-10V, 100-130VAC, IP20

OVERVIEW

The P-300S-24-D-ETL is a 300W constant-voltage LED driver with 24V DC output, designed for commercial and architectural LED lighting installations requiring dimming control. It accepts 100–130VAC input and supports both Triac and 0/1–10V dimming protocols, making it compatible with a wide range of dimming systems and controllers.

The driver delivers a rated output current of 12.5A at 300W with a voltage tolerance of $\pm 0.5V$ and typical full-load efficiency of 86%. Ripple and noise is rated at 250mVp-p. The unit is rated IP20 for dry indoor environments and operates across an ambient temperature range of $-20^{\circ}C$ to $+50^{\circ}C$. Short-circuit protection operates in hiccup mode with automatic recovery, and over-temperature shutdown activates at $100^{\circ}C \pm 10^{\circ}C$. Dimensions are 295 x 60 x 30mm with a weight of 0.52kg.

The driver carries an ETL listing and CE mark. A 100% full-load burn-in test is performed at the factory. The product is backed by a 3-year warranty. As a component-level device, the final equipment installer is responsible for re-qualifying EMC compliance within the complete installation per applicable directives.

SPECIFICATIONS

Power	300 W	Dimensions	295 x 60 x 30 mm
Input voltage	100-130VAC V	Weight	0.52 kg
IP rating	IP20	Operating temp	-20 to +50 °C

DIMENSION

	Packing	25pcs/CTN
Notes	1. All parameters NOT specially mentioned are measured at 130VAC input , rated load and 25°C of ambient temperature. 2. Tolerance: includes set up tolerance, line regulation and load regulation . 3. The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be-qualify EMC Directive on the complete installation again.	

CERTIFICATIONS & COMPLIANCE



CE