

300W LED Driver Power Supply, 12V DC Output, 100-130VAC Input, IP20

OVERVIEW

The P-300S-ETL is a 300W constant-voltage LED driver designed for commercial and industrial LED lighting installations requiring a stable 12V DC output. It accepts 100–130VAC input and is suited for use as a component within a larger luminaire or control system assembly.

The driver delivers a rated output current of 25A at 12V DC with a voltage tolerance of $\pm 0.5V$ and typical full-load efficiency of 85%. Ripple and noise is rated at 200mVp-p. Operating temperature range is $-20^{\circ}C$ to $+50^{\circ}C$, with over-temperature shutdown at $100^{\circ}C \pm 10^{\circ}C$. Protections include short circuit (hiccup mode, auto-recovery), overload (110–140% rated output power), and over-voltage. No-load power consumption is under 0.7W. The unit is cooled by free air convection and measures 210 x 64 x 31mm at 0.40kg.

This driver carries a CE mark and has undergone 100% full-load burn-in testing. A 3-year warranty is included. Note: as a component-level power supply, the end-equipment manufacturer is responsible for re-qualifying EMC compliance on the complete installation.

SPECIFICATIONS

Power	300 W	Weight	0.4 kg
Input voltage	110-130VAC V	Warranty	3 years
IP rating	IP20	Operating temp	-20 to $+50^{\circ}C$
Dimensions	210 x 64 x 31 mm		

DIMENSION

	Packing	30pcs/CTN
Notes	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input , rated load and $25^{\circ}C$ of ambient temperature. Tolerance: includes set up tolerance, line regulation and load regulation . 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. 	



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