



ATG Electronics® XDriver™ 300W LED Power Supply

USER GUIDE

Part Number HPS-12300-X00000-H1
HPS-12300-X00000-H2
HPS-24300-X00000-H1
HPS-24300-X00000-H2



NOTE:

This user guide is to explain the steps necessary to use the specified and assure peak performance. Its intended use is for reference only, by a fully qualified electrician or technician. This document should never be considered a substitute for any provision of a regulation or state and/or local code.

Please read this entire manual to fully understand and safely use this product.

Specifications are subject to change without notice. Please visit www.atgelectronics.com for most recent user guide versions.

GETTING STARTED

ATG Electronics® XDriver™ 300W LED Power Supply is a universal device that operates on input voltage ranging from 85VAC~132VAC or 170 VAC~264 VAC, and provides 25 amperes of filtered and regulated 12VDC power (nominal) or 12.5 amperes of 24VDC power (nominal) to LED lighting fixtures, controllers or decoders etc.

XDriver™ 300W comes with a 1.2 meter (3.93 feet) long power cord with American plug or European plug to suit different interface. It also has screw terminals, which can attach to ATG Electronics products or via power adaptor board.

XDriver™ 300W is only applicable for dry environment.

XDriver™ 300W is the ideal and cost effective solution for driving quantity of 12VDC or 24VDC LED lighting fixtures, controllers or decoders etc. It has successfully been installed with thousands of LED lighting systems in the world.

Included in this Box

XDriver™ 300W LED Power Supply, 1 PCs
User Guide, 1 Set

Unpacking

- 1) Unpack and carefully examine the product.
- 2) Report any damage and save all packing materials if any part is damaged during transport.
- 3) Do not attempt to use this apparatus if it is damaged.

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Warnings

- 1) Risk of electric shock. Ensure that the power is off when connecting XDriver™ 300W to the lighting device.
- 2) XDriver™ 300W shall be installed and operated by a qualified electrician or technician in accordance relevant local codes.

Cautions

- 1) Suggested continuous working time is around 8 hours, never more than 12 hours.
- 2) Do not use sharp tools near or on the surface of the device.

User Responsibilities

The responsibility of complying with all state and local laws, ordinances, and regulations in regards to the installation, maintenance, and operation of the device lies with the buyer and handler of the device. These parties may include, but are not limited to the contractor, installer, purchaser, owner, and user of the product.

Note:

The instructions and precautions set forth in this user guide are not necessarily all-inclusive, all conceivable, or relevant to all applications as ATG Electronics cannot anticipate all conceivable or unique situations.

PLANNING THE INSTALLATION

This device installation requires planning to ensure timely, successful installation with minimal complications and down time.

Planning Suggestions

Consult an Electrical Inspector to review all wiring plans.

Create a Layout Plan drawing, per a Lighting Designer's or Architect's recommendation.

Consult ATG Electronics Application Engineering Services as needed.

Installation Considerations

When creating your installation plan, consider the following:

- 1) Power of the loads

To increase the reliability, users are suggested to choose a power supply that has a rating of 30% more power than the loads. So when connecting with XDriver™ 300W, the power of the loads is recommended to be around 230W.

- 2) Location of XDriver™ 300W

XDriver™ 300W can ONLY be applied for dry environment.

Installing XDriver™ 300W in high-temperature environment must be avoided;

Installation Steps

- 1) Connect XDriver™ 300W to your lighting device;
- 2) Plug XDriver™ 300W into power outlet to light the whole system.

ATG Electronics® XDriver™ 300W LED Power Supply

Input Voltage: 85VAC~132VAC, 170 VAC~264 VAC

Input Frequency: 47 Hz~63 Hz

Output Voltage: 12 VDC/ 24VDC

Output Current: 25 A/12.5A

Line regulation (full load): $< \pm 0.5\%$

Full load efficiency: $>83\%$

Operating temperature & humidity: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ($14^{\circ}\text{F} \sim 122^{\circ}\text{F}$), 20%~90%RH(non-condensing)

Storage temperature & humidity : $-20^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ($-4^{\circ}\text{F} \sim 185^{\circ}\text{F}$), 20%~95%RH(non-condensing)

Dimension: L241xW124xH65 mm (L9.5 * W4.9 * H2.6 inch)

Weight: 1300 g

Work environment: Indoor use, applicable for dry environment

* Detailed specifications please refer to the product catalog of XDriver™ 300W LED Power Supply.

QUALITY WARRANTY

This product is sold pursuant to ATG Electronics Standard Terms and Conditions which can be found at www.atgelectronics.com/warranty and which contain important provisions, including, among others, the Quality Warranty, exclusions and limitations on ATG Electronics liability for damages, and restrictions on available remedial actions.

For any after-sales assistance, please contact our Customer Service Team at service@atgelectronics.com. All your concerns and requests will be handled within 12 hours.

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