



# ATG Electronics® XDriver™ 100W LED Power Supply

## USER GUIDE

**Part Number** HPS-12100-X00000-H1  
HPS-12100-X00000-H2  
HPS-24100-X00000-H1  
HPS-24100-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](http://www.atgelectronics.com) for most recent user guide versions.

### GETTING STARTED

ATG Electronics® XDriver™ 100W LED Power Supply is a universal device that operates on input voltage ranging from 85 VAC~132 VAC or 170 VAC~264 VAC, and provides 8.5 amperes of filtered and regulated 12VDC power (nominal) or 4.5 amperes of 24VDC power (nominal) to LED lighting fixtures, controllers or decoders etc.

XDriver™ 100W 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™ 100W is only applicable for dry environment.

XDriver™ 100W 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™ 100W 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™ 100W to the lighting device.
- 2) XDriver™ 100W 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™ 100W, the power of the loads is recommended to be around 77W.

- 2) Location of XDriver™ 100W

XDriver™ 100W can ONLY be applied for dry environment.

Installing XDriver™ 100W in high-temperature environment must be avoided;

XDriver™ 100W is suggested to be installed in the horizontal positions;

### **Installation Steps**

- 1) Connect XDriver™ 100W to your lighting device;
- 2) Plug XDriver™ 100W into power outlet to light the whole system.

**ATG Electronics® XDriver™ 100W LED Power Supply**

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

Input Frequency : 47 Hz~63 Hz

Output Voltage : 12 VDC/24VDC

Output Current : 8.5 A/4.5A

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

Full load efficiency:  $>80\%$

Operating temperature & humidity:  $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$  ( $14^{\circ}\text{F} \sim 122^{\circ}\text{F}$ ), 20% ~ 93%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: L199 \* W98 \* H39 mm (L7.83 \* W3.86 \* H1.54 inch)

Weight: 580g

Work environment: Indoor use, applicable for dry environment

\* Detailed specifications please refer to the product catalog of XDriver™ 100W 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](http://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](mailto:service@atgelectronics.com). All your concerns and requests will be handled within 12 hours.

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