

# XDriver™ 100W

LED Power Supply



ATG ELECTRONICS

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.



ATG  
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Light your world  
Color your life!

## Features

- Direct Assembly on DIN-Rail.
- Touch-guard Screw Terminals.
- Overload Protection, Constant Current Limiting, Reset: Auto Recovery.
- Short-Circuit Proof, 100% Full Load Burn-in Test.
- Built-in EMI Filter, Low Ripple Noise.
- Simple primary hook-ups, Class 2 outputs.
- No minimum load, no load balancing and no dip switches.
- Proven reliability, rugged housings.

## Part Numbers

| Part Number         | Description                                | Unit |
|---------------------|--|------|
| HPS-12100-XU0000-H1 | Open frame, 100W, 12VDC 8.5A, 120VAC input | pcs  |
| HPS-12100-XU0000-H2 | Open frame, 100W, 12VDC 8.5A, 240VAC input | pcs  |
| HPS-24100-XU0000-H1 | Open frame, 100W, 24VDC 4.5A, 120VAC input | pcs  |
| HPS-24100-XU0000-H2 | Open frame, 100W, 24VDC 4.5A, 240VAC input | pcs  |

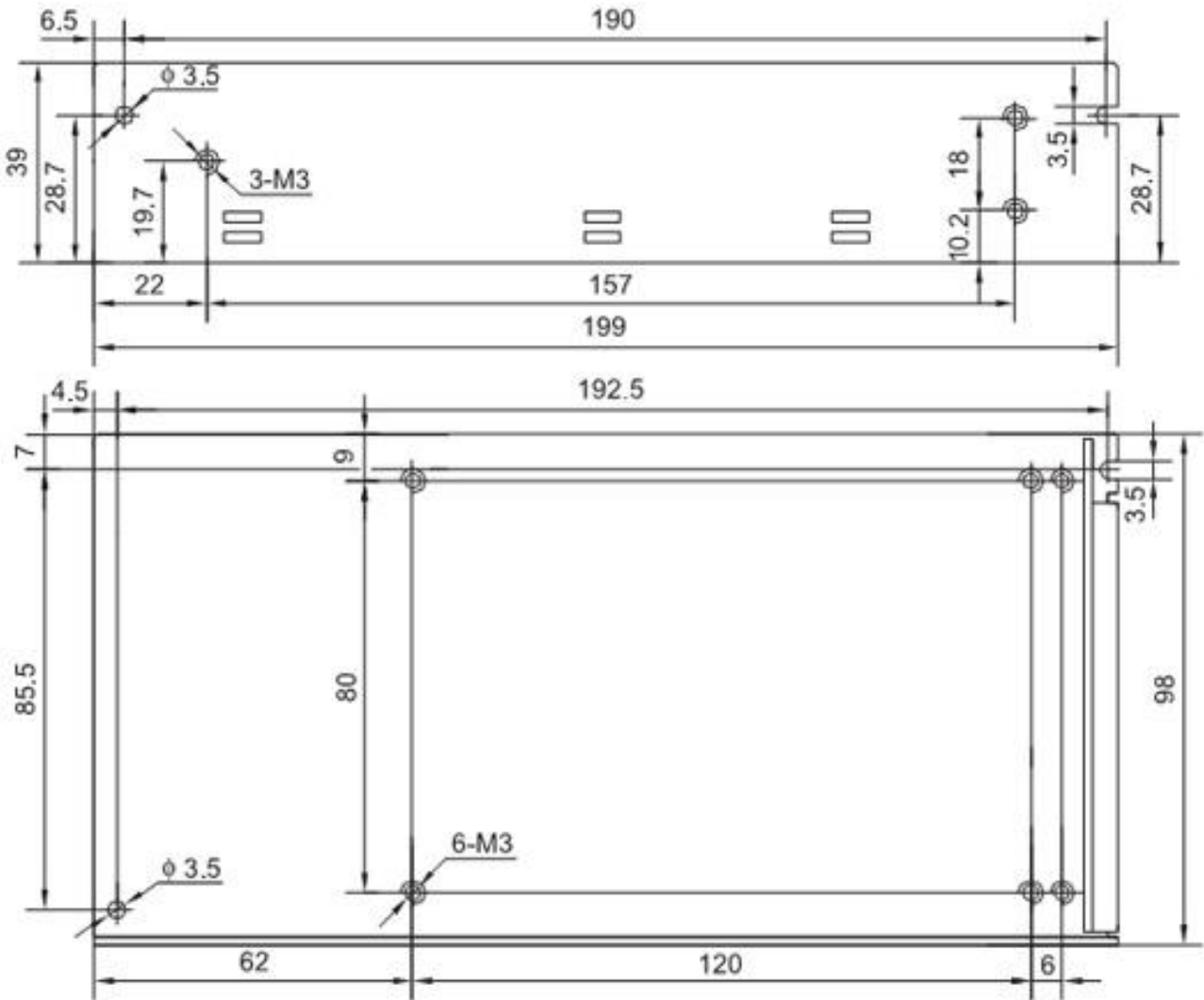
## Technical Specifications

| Part Number                        | HPS-12100-X00000-H1<br>HPS-12100-X00000-H2            | HPS-24100-X00000-H1<br>HPS-24100-X00000-H2            |
|------------------------------------|---|---|
| Input Voltage                      | 85 VAC~132 VAC, 170 VAC~264 VAC                       | 85 VAC~132 VAC, 170 VAC~264 VAC                       |
| Input frequency                    | 47 Hz ~63Hz   | 47 Hz ~63Hz   |
| Output Voltage                     | 12VDC   | 24VDC   |
| Output Current                     | 8.5A  | 4.5A  |
| Line regulation                    | <±0.5%  | <±0.5%  |
| Full load efficiency               | >80%  | >80%  |
| Inrush current                     | 20A/115V , 40A/230V (cold start)                      | 20A/115V , 40A/230V (cold start)                      |
| Input leakage current              | <0.7mA/230VAC   | <0.7mA/230VAC   |
| Output voltage adjust range        | ±10%  | ±10%  |
| Output overload current protection | 110%~130%, current limiting, auto recovery            | 110%~130%, current limiting, auto recovery            |
| Output overload voltage protection | 115%~150%   | 115%~150%   |
| Rise time                          | 50ms@full load(typical)                               | 50ms@full load(typical)                               |
| Hold-up time                       | 20ms@full load(typical)                               | 20ms@full load(typical)                               |
| Operating temperature & humidity   | -10°C~50°C (14°F~122°F),<br>20%~93%RH(non-condensing) | -10°C~50°C (14°F~122°F),<br>20%~93%RH(non-condensing) |
| Storage temperature & humidity     | -20°C~85°C(-4°F~185°F),<br>20%~95%RH(non-condensing)  | -20°C~85°C(-4°F~185°F),<br>20%~95%RH(non-condensing)  |
| Cooling method                     | Convection  | Convection  |
| Work environment                   | Indoor use, applicable for dry environment            | Indoor use, applicable for dry environment            |

|           |  |  |
|-----------|--|--|
| Dimension | L199 * W98 * H39 mm (L7.83 * W3.86 * H1.54 inch) | L199 * W98 * H39 mm (L7.83 * W3.86 * H1.54 inch) |
| Weight    | 580g   | 580g   |

Remark: Output is available from 3VDC~48VDC.

**Drawing (Unit: mm)**





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