

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
Electronics Corp.

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-X00000-H1	Open frame, 100W, 12VDC 8.5A, 120VAC input	pcs
HPS-12100-X00000-H2	Open frame, 100W, 12VDC 8.5A, 240VAC input	pcs
HPS-24100-X00000-H1	Open frame, 100W, 24VDC 4.5A, 120VAC input	pcs
HPS-24100-X00000-H2	Open frame, 100W, 24VDC 4.5A, 240VAC input	pcs

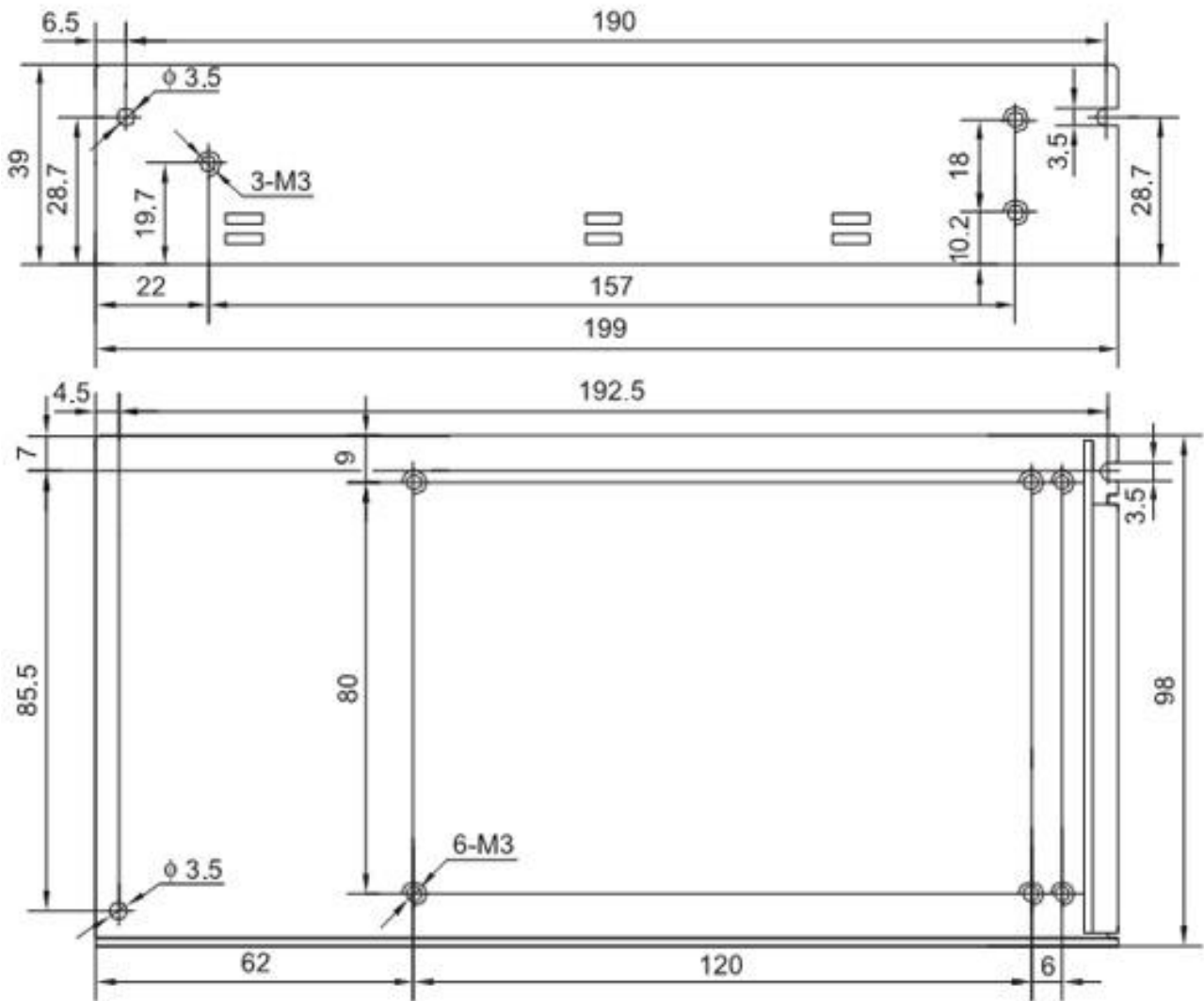
Technical Specifications

Part Number / Specification	HPS-12100-X00000-H1 HPS-12100-X00000-H2	HPS-24100-X00000-H1 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), 20%~93%RH(non-condensing)	-10°C~50°C (14°F~122°F), 20%~93%RH(non-condensing)
Storage temperature & humidity	-20°C~85°C(-4°F~185°F), 20%~95%RH(non-condensing)	-20°C~85°C(-4°F~185°F), 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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