

QDriver™ 60W

LED Power Supply



ATG ELECTRONICS

ATG Electronics® QDriver™ 60W LED Power Supply is a universal device that operates on input voltage ranging from 85 VAC~264VAC, and provides 5 amperes of filtered and regulated 12VDC power (nominal) or 2.5 amperes of 24VDC power (nominal) to LED lighting fixtures, controllers or decoders etc.

QDriver™ 60W comes with a 1.5 meter (4.92 feet) long power cord with American plug or European plug to suit different interface. It also has a 1.5 meter (4.92 feet) long cable, which can directly attach to ATG Electronics products or via power adaptor board.

QDriver™ 60W is contained in a compact plastic housing and applicable for dry environment.

QDriver™ 60W is the ideal and cost effective solution for driving a small 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.
- Enclosed and compact housing.
- Overload protection, constant current limiting.
- Short-circuit proof, 100% full load burn-in test.
- Built-in EMI filter, low ripple noise.
- Plug is available for North America, Europe etc.
- Simple primary hook-ups, class 2 outputs.
- No minimum load, no load balancing and no dip switches.
- Proven reliability at low cost.

Part Numbers

Part Number	Description	Unit
HPS-12060-000000-H1	60W, 12VDC 5A, 120VAC input	pcs
HPS-12060-000000-H2	60W, 12VDC 5A, 240VAC input	pcs
HPS-24060-000000-H1	60W, 24VDC 2.5A, 120VAC input	pcs
HPS-24060-000000-H2	60W, 24VDC 2.5A, 240VAC input	pcs

Technical Specifications

Part Number	HPS-12060-000000-H1 HPS-12060-000000-H2	HPS-24060-000000-H1 HPS-24060-000000-H2
Input Voltage	85 VAC~264VAC	85 VAC~264VAC
Input frequency	47 Hz ~63Hz	47 Hz ~63Hz
Output Voltage	12VDC	24VDC
Output Current	5A	2.5A
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%~150%, current limiting, auto recovery	110%~150%, 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℃~50℃(14℉~122℉) , 20%~93%RH(non-condensing)	-10℃~50℃(14℉~122℉) , 20%~93%RH(non-condensing)
Storage temperature & humidity	-20℃~+85℃(-4℉~185℉) , 20%~95%RH(non-condensing)	-20℃~+85℃(-4℉~185℉) , 20%~95%RH(non-condensing)
Cooling method	Convection	Convection
Work environment	Indoor use, applicable for dry environment	Indoor use, applicable for dry environment
Dimension	L120 * W60 * H40 mm (L4.7 * W2.4 * H1.6 inch)	L120 * W60 * H40 mm (L4.7 * W2.4 * H1.6 inch)
Weight	320 g	320 g



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