

# ADLS-360 series

360W Enclosed Type Switching Power Supply



## ■ Features:

- Constant voltage design
- European AC input
- Protections: Short circuit / Overload / Over voltage / Over Temperature
- Cooling by forced air convection
- Compact size
- Low price



## ELECTRICAL SPECIFICATION

MODEL	ADLS-360-12	ADLS-360-24
<b>OUTPUT</b>		
<i>Rated Voltage</i>	12V	24V
<i>Rated Current</i>	30A	15A
<i>Rated Power</i>	360W	
<i>Line Regulation</i>	± 1%	
<i>Load Regulation</i>	± 2%	
<i>Tolerance [3]</i>	± 5%	
<i>Ripple &amp; Noise (max.) [2]</i>	1V <sub>p-p</sub>	
<i>Setup, Rise Time [4]</i>	1200ms, 3ms / 230VAC at full load	
<i>Hold up Time</i>	10ms / 230VAC at full load	
<b>INPUT</b>		
<i>Voltage Range</i>	180 ÷ 264VAC	
<i>Frequency Range</i>	47 ÷ 63Hz	
<i>Efficiency (typ.)</i>	84%	
<i>AC Current (typ.)</i>	4A / 230VAC	
<b>PROTECTIONS</b>		
<i>Overload</i>	Range: 105 ÷ 150% rated current	
	Type: hiccup mode, auto-recovery.	
<i>Short Circuit</i>	Type: hiccup mode, auto-recovery.	
<i>Over voltage</i>	13.5 ÷ 24V	
	Type: hiccup mode, auto-recovery.	
<i>Over Temperature</i>	Range: 110°C ± 10°C (detect by main IC)	
	Type: shut-off, auto-recovery.	

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## WORKING ENVIRONMENT

<b>Working Temperature</b>	-20°C ÷ 50°C (Refer to Derating Curve)
<b>Working Humidity</b>	20 ÷ 90% RH non-condensing
<b>Storage Temperature and Humidity</b>	-40°C ÷ 80°C, 10 ÷ 95% RH non-condensing

## SAFETY AND EMC REGULATIONS

<b>Safety Standards</b>	Compliance to EN61347-1, EN61347-2-13
<b>Withstand Voltage</b>	I-P/O-P: 1.5kVAC; I-P/GND: 1.5kVAC; O-P/GND: 0.5kVAC
<b>EMC Emission</b>	Compliance to EN55015
<b>EMC Immunity</b>	Compliance to EN61547
<b>Harmonic Current</b>	Compliance to EN61000-3-3; EN61000-3-2

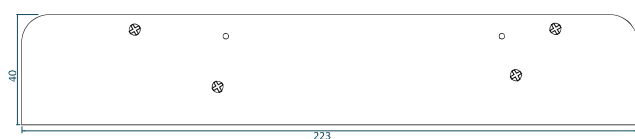
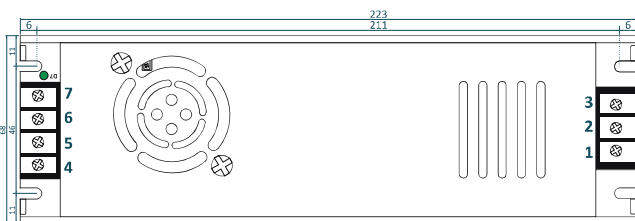
## OTHERS

<b>Lifetime</b>	12 000Hrs for input 230VAC, 20°C ambient temperature, full load
<b>Dimensions</b>	223 x 68 x 40mm (L x W x H)
<b>Weight and Packing</b>	0.55kg; 40pcs./ctn; ctn weight and dimensions: 24.5kg; 46 x 39.3 x 27cm

<b>EAN Code</b>		
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1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF i 47µF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

## MECHANICAL SPECIFICATION



## TERMINAL PIN NO. ASSIGNMENT

PIN No.	Assignment	PIN No.	Assignment
1	Frame Ground: GND	4,6	Output: +V
2	Input: AC/L	7,8	Output: -V
3	Input: AC/N	D7	Power On indicator

## DERATING CURVE

