

ADM24 series

24W Constant Voltage Switching Power Supply



■ Features:

- Constant voltage design
- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Plastic case, IP20 protection
- Low price



ELECTRICAL SPECIFICATION

MODEL	ADM2412	ADM2424
OUTPUT		
<i>Rated Voltage</i>	12V	24V
<i>Rated Current</i>	2A	1A
<i>Rated Power</i>	24W	
<i>Line Regulation</i>	± 1%	
<i>Load Regulation</i>	± 2%	
<i>Tolerance [3]</i>	± 5%	
<i>Ripple & Noise (max.) [2]</i>	240mV _{p,p}	480mV _{p,p}
<i>Setup [4]</i>	1000ms/ 230VAC at full load	
<i>Hold up Time</i>	20ms / 230VAC at full load	
INPUT		
<i>Voltage Range</i>	110 ÷ 264VAC	
<i>Frequency Range</i>	47 ÷ 63Hz	
<i>Efficiency (typ.)</i>	83%	
<i>AC Current (typ.)</i>	0.45A / 115VAC, 0.2A / 230VAC	
PROTECTIONS		
<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>	Max. 26V	
	Type: hiccup mode, auto-recovery.	
WORKING ENVIRONMENT		
<i>Working Temperature</i>	-10°C ÷ 50°C	
<i>Working Humidity</i>	20 ÷ 90% RH non-condensing	
<i>Storage Temperature and Humidity</i>	-20°C ÷ 70°C, 10 ÷ 95% RH non-condensing	

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SAFETY AND EMC REGULATIONS

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

OTHERS

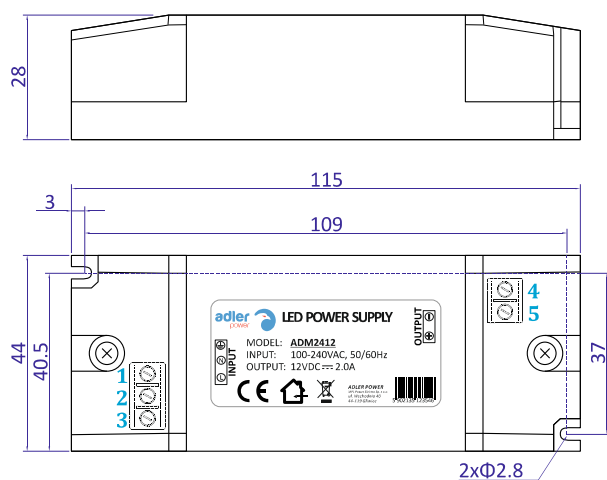
Lifetime	12 000Hrs for input 230VAC, 20°C ambient temperature, full load
Dimensions	115 x 44 x 28mm (L x W x H)
Weight and Packing	0.1kg; 120pcs./ctn; ctn weight and dimensions: 17kg; 46 x 39 x 37cm

EAN code



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	Output: -V
2	Input: AC/N	5	Output: +V
3	Input: AC/L		

DERATING CURVE

