

# ADM36 series

36W 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

<b>MODEL</b>	ADM3612
<b>OUTPUT</b>	
<b>Rated Voltage</b>	12V
<b>Rated Current</b>	3A
<b>Rated Power</b>	36W
<b>Line Regulation</b>	± 0.5%
<b>Load Regulation</b>	± 1%
<b>Tolerance [3]</b>	± 5%
<b>Ripple &amp; Noise (max.) [2]</b>	320mV <sub>p-p</sub>
<b>Setup [4]</b>	500ms/ 230VAC at full load
<b>Hold up Time</b>	20ms / 230VAC at full load
<b>INPUT</b>	
<b>Voltage Range</b>	110 ÷ 240VAC
<b>Frequency Range</b>	47 ÷ 63Hz
<b>Efficiency (typ.)</b>	84%
<b>AC Current (typ.)</b>	0.7A / 115VAC, 0.4A / 230VAC
<b>PROTECTIONS</b>	
<b>Overload</b>	Range: 105 ÷ 150% rated current Type: hiccup mode, auto-recovery.
<b>Short Circuit</b>	Type: hiccup mode, auto-recovery.
<b>Over voltage</b>	Max. 26V Type: hiccup mode, auto-recovery.
<b>WORKING ENVIRONMENT</b>	
<b>Working Temperature</b>	-10°C ÷ 50°C
<b>Working Humidity</b>	20 ÷ 90% RH non-condensing
<b>Storage Temperature and Humidity</b>	-20°C ÷ 70°C, 10 ÷ 95% RH non-condensing

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## SAFETY AND EMC REGULATIONS

<b>Safety Standards</b>	Compliance to EN60950-1
<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

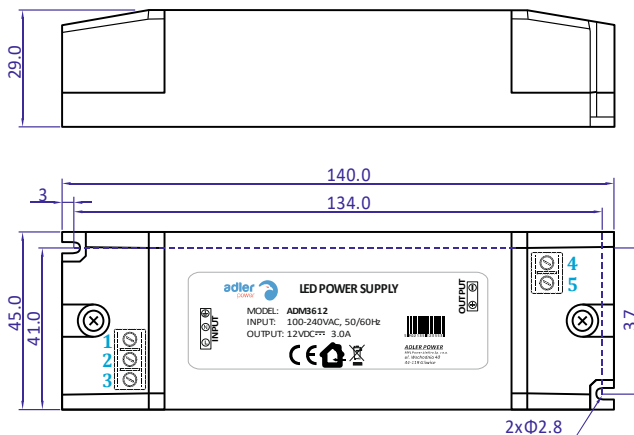
<b>Lifetime</b>	12 000Hrs for input 230VAC, 20°C ambient temperature, full load
<b>Dimensions</b>	140 x 45 x 29mm (L x W x H)
<b>Weight and Packing</b>	0.15kg; 104pcs./ctn; ctn weight and dimensions: 17.5kg; 46 x 39 x 37cm

**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	Input: GND	4	Output: -V
2	Input: AC/N	5	Output: +V
3	Input: AC/L		

## DERATING CURVE

