# ER12W12V series

12V / 1A Wall mounted type AC/DC adaptor



### Features:



• Universal AC input / Full range

- Wall mounted type, Isolation class II design
  - ErP step II / CEC level VI compliance
  - No load power consumption P < 0.075W

• Protections: Overload / Short circuit / Over Voltage



### **ELECTRICAL SPECIFICATION**

MODEL	ER12W12V	
OUTPUT		
Rated Voltage	12V	
Rated Current	1A	
Current Range	0÷1A	
Rated Power	12W	
Line Regulation	± 1%	
Load Regulation	± 5%	
Tolerance [3]	± 8%	
Ripple & Noise (max.) [2]	150mV <sub>P-P</sub>	
Setup, RiseTime [4]	5000ms, 30ms / 230VAC at full load	
Hold up Time (typ.)	4ms / 230VAC at full load	

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INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efiiciency (typ.)	83.3%
AC Current (typ.)	0.4A / 115VAC, 0.2A / 230VAC
No load Power Consumption (max.)	0.075W

PROTECTIONS	
Overload	Range: 150-200%
	Auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Voltage	Type: auto-recovery.

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### WORKING ENVIRONMENT

Working Temperature	0°C ÷ 40°C
Working Humidity	10 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-20°C ÷ 85°C, 5 ÷ 90% RH non-condensing

#### SAFETY and EMC REGULATIONS

Safety Standards	Compliance to EN 60950-1	
Withstand Voltage	IN/OUT: 3.6kVAC	
Isolation Resistance	IN/OUT: 50MΩ/500VDC/25°C/70%	
EMC Emission	Compliance to EN55032	
EMC Immunity	Compliance to EN61000-4-2, -3, -4, -5	
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2	

OTHERS				
DC wire and plug	Wire: 24AWG*2C, length = 1500mm	Plug: 2.1/5.5, positive inside		
Dimensions	76.2 x 27.6 x 61.6mm (L x W x H)	76.2 x 27.6 x 61.6mm (L x W x H)		
Net Weight	76g			
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**

