# **ER06W** series

6W Wall mounted type AC/DC adaptor





- 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: Over Current / Short circuit / Over Voltage











## **ELECTRICAL SPECIFICATION**

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MODEL	ER06W06V
OUTPUT	
Rated Voltage	5.9V
Rated Current	1A
Current Range	0 ÷ 1A
Rated Power	6W
Line Regulation	± 5%
Load Regulation	± 5%
Tolerance [3]	± 5%
Ripple & Noise (max.) [2]	200mV <sub>P-P</sub>
Setup, RiseTime [4]	5000ms, 30ms / 230VAC at full load
Hold up Time (typ.)	4ms / 230VAC at full load

INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efiiciency (typ.)	75%
AC Current (typ.)	0.3A / 230VAC
No load Power Consumption (max.)	0.075W

PROTECTIONS	
Over Voltage	Range: 110-140%
	Type: shut off, auto-recovery.
Short Circuit	Type: shut off, auto-recovery.
Over Current	Range: 110-200%
	Type: shut off output voltage, auto-recovery.

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## **WORKING ENVIRONMENT**

Working Temperature	0°C ÷ 40°C
Working Humidity	5 ÷ 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: 3.0kVAC
Isolation Resistance	IN/OUT: 10MΩ/500VDC/25°C/70%
EMC Emission	Compliance to EN55022
EMC Immunity	Compliance to EN61000-4-2, -3, -4, -5
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2

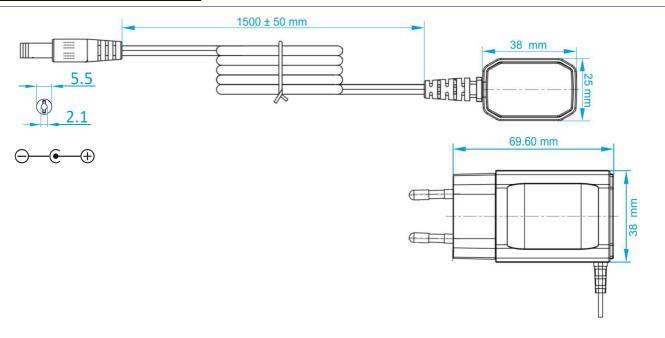
OTHERS			
DC wire and plug	Wire: 24AWG*2C, length = 1500mm	Plug: 2.5/5.5, positive inside	
Dimensions	38 x 25 x 88.6mm (L x W x H)	38 x 25 x 88.6mm (L x W x H)	
Net Weight	80g		





- $1. \ \textit{All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 °C of ambient temperature.}$
- 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**



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