

# ERD36A series

36W Constant voltage desktop type AC/DC adaptor



## ■ Features:

- Universal AC input / Full range
- Desktop type, Isolation class II design
  - IEC C320-C8 input AC socket
  - ErP step II / CEC level VI compliance
- No load power consumption  $P < 0.1W$
- Protections: Over current / Short circuit / Over Voltage



## ELECTRICAL SPECIFICATION

MODEL	ERD36AW15V
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### OUTPUT

Rated Voltage	15V
Rated Current / Peak Current	2A / 3A
Current Range	0 ÷ 2A
Rated Power	30W
Line Regulation	± 1%
Load Regulation	± 5%
Tolerance [3]	± 8%
Ripple & Noise (max.) [2]	200mV <sub>p-p</sub>
Setup, Rise Time [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
Efficiency (typ.)	86.95%
AC Current (typ.)	0.85A / 115VAC, 0.48A / 230VAC
No load Power Consumption (max.)	0.1W

### PROTECTIONS

Over current	Range: $3.0A \leq OCP \leq 6.0A$ Type: hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Voltage	Type: auto-recovery.

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## WORKING ENVIRONMENT

<b>Working Temperature</b>	0°C ÷ 55°C
<b>Working Humidity</b>	5 ÷ 95% RH non-condensing
<b>Storage Temperature and Humidity</b>	-20°C ÷ 85°C, 5 ÷ 90% RH non-condensing

## SAFETY and EMC REGULATIONS

<b>Safety Standards</b>	Compliance to EN62368-1
<b>Withstand Voltage</b>	IN/OUT: 3.0kVAC
<b>Isolation Resistance</b>	IN/OUT: 20MΩ/500VDC/25°C/70%
<b>EMC Emission</b>	Compliance to EN55032
<b>EMC Immunity</b>	Compliance to EN55024
<b>Harmonic Current</b>	Compliance to EN61000-3-3; EN61000-3-2

## OTHERS

<b>AC Inlet</b>	IEC320-C8	
<b>DC wire and plug</b>	Wire: 22AWG*2C, length = 1500mm	Plug: 2.1/5.5, positive inside
<b>MTBF</b>	30 000h @ 230VAC/25°C/full load according to Telcordia SR-332	
<b>Dimensions</b>	105.2 x 51.2 x 33.5mm (L x W x H)	
<b>Net Weight</b>	0.17kg; 60pcs./ctn; ctn weight and dimensions: 12.4kg; 31.5 x 26.1 x 39cm	

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 / 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.

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## MECHANICAL SPECIFICATION

