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## CLW 1212 W2E ER series

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

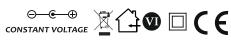


#### **■** Features:

- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- No load power consumption P < 0.075W
- Protections: Overload / Short circuit / Over Voltage











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MODEL	CLW 1212 W2E ER
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, 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
Efiiciency (typ.)	83.29%
AC Current (typ.)	0.4A / 115VAC, 0.2A / 230VAC
No load Power Consumption (max.)	0.075W

PROTECTIONS			
Overload	Range: 105-200%		
Overload	Auto-recovery.		
Short Circuit Type: hiccup mode, auto-recovery.			
Over Voltage	Type: auto-recovery.		

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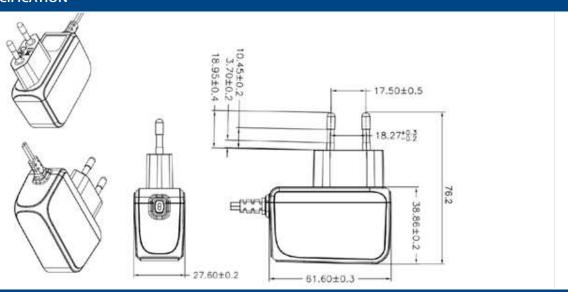
WORKING ENVIRONMENT			
Working Temperature	0°C ÷ 40°C		
Working Humidity	10 ÷ 90% RH non-condensing		
Storage Temperature and Humidity	-20°C ÷ 85°C, 5 ÷ 90% RH non-condensing		

SAFETY and EMC REGULATIONS			
Safety Standards	Compliance to EN 62368		
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	<i>Dimensions</i> 76.2 x 27.6 x 61.6mm (L x W x H)		
Net Weight	76g		

- 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  $0.1\mu F$  i  $47\mu F$  parallel capacitor.
- ${\it 3. Tolerance includes set up tolerance, line \ regulation \ and \ load \ regulation.}$
- 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  ${\it re-quality to comply with EMC Directives.}$

#### **MECHANICAL SPECIFICATION**

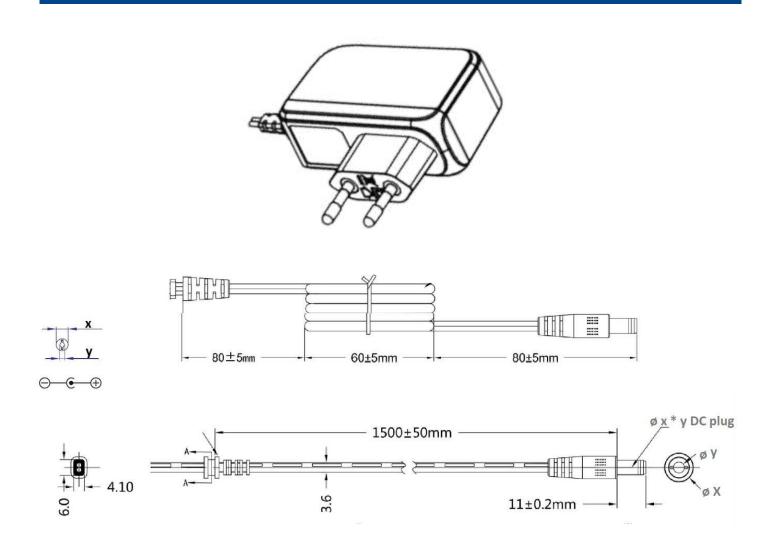


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### MECHANICAL SPECIFICATION



*MODEL	DC PLUG	X [mm}	Y [mm]	Polarity
CLW-1212-W2E-ER	5.5x2.1mm	5.5	2.1	center positive
CLW-1212-W2E-ER25	5.5x2.5mm	5.5	2.5	center positive
CLW-1212-W2E-ER13	3.5x1.3mm	3.5	1.3	center positive
CLW-1212-W2E-ER40	4.0x1.7mm	4.0	1.7	center positive
CLW-1212-W2E-ER48	4.8x1.7mm	4.8	1.7	center positive
CLW-1212-W2E-ER-CN	5.5x2.1mm	5.5	2.1	center negative
CLW-1212-W2E-ER25-CN	5.5x2.5mm	5.5	2.5	center negative
CLW-1212-W2E-ER13-CN	3.5x1.3mm	3.5	1.3	center negative
CLW-1212-W2E-ER40-CN	4.0x1.7mm	4.0	1.7	center negative
CLW-1212-W2E-ER48-CN	4.8x1.7mm	4.8	1.7	center negative