



# CLD-10012-T2-E25

12V / 8.33A Desktop type AC/DC adaptor



## ■ Features:

- Universal AC input / Full range
- Desktop type, Isolation class II design
- ErP step II / CEC level VI compliance
- No load power consumption  $P < 0.075W$
- Protections: Overload / Short circuit / Over Temperature

## ELECTRICAL SPECIFICATION



MODEL	CLD-10012-T2-E25
OUTPUT	
Rated Voltage	12V
Rated Current	8.33A
Current Range	0 ÷ 8.33A
Rated Power	100W
Line Regulation	± 2%
Load Regulation	± 5%
Tolerance [3]	± 5%
Ripple & Noise (max.) [2]	600mV <sub>p-p</sub>
Setup, Rise Time [4]	2s, 9ms / 230VAC at full load
Hold up Time (typ.)	50ms / 230VAC at full load

INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efficiency (typ.)	82,69%
AC Current (typ.)	1.6A / 115VAC, 0.6A / 230VAC
No load Power Consumption (max.)	0.075W

PROTECTIONS	
Overload	Range: 110 ÷ 150% Type: hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over voltage	Range: 18 ÷ 25V, auto-recovery. Type: shut down output voltage. Re-power on to recovery



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## WORKING ENVIRONMENT

<b>Working Temperature</b>	0°C ÷ 40°C
<b>Working Humidity</b>	5 ÷ 95% RH non-condensing
<b>Storage Temperature and Humidity</b>	-20°C ÷ 85°C, 5 ÷ 95% RH non-condensing

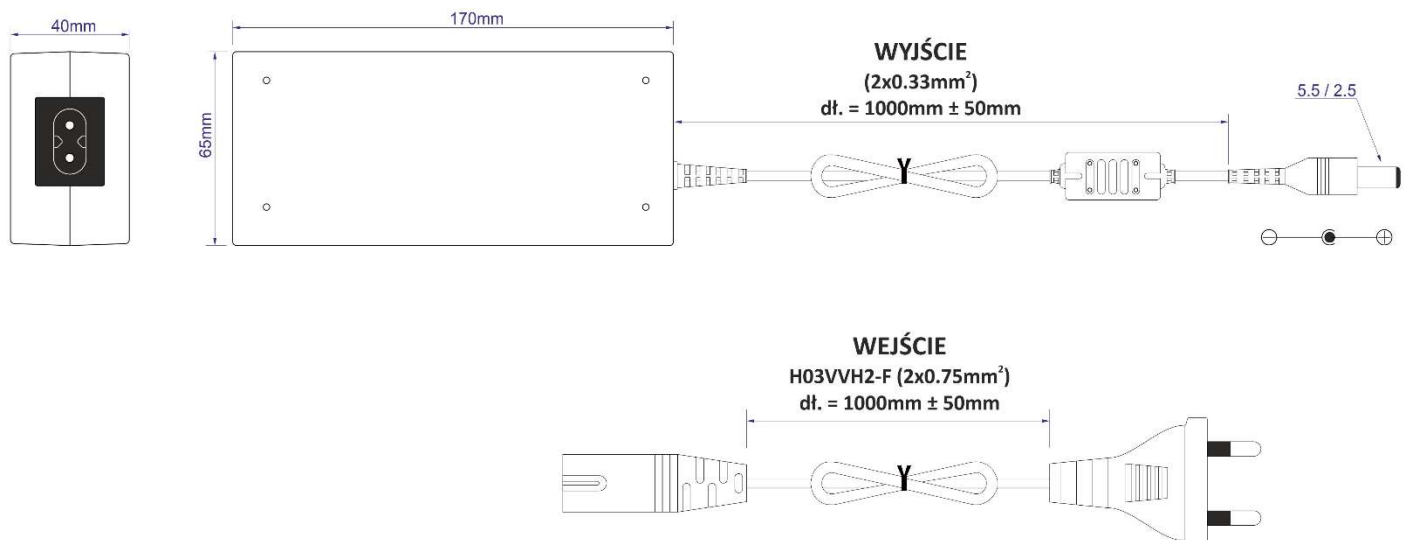
## SAFETY and EMC REGULATIONS

<b>Safety Standards</b>	Compliance to EN 60950-1
<b>Withstand Voltage</b>	I-P/O-P: 5.3kVAC
<b>Isolation Resistance</b>	IN/OUT: 100MΩ/500VDC/25°C/70%
<b>EMC Emission</b>	Compliance to EN55032
<b>EMC Immunity</b>	Compliance to EN61000-4-2, -3, -4, -5
<b>Harmonic Current</b>	Compliance to EN61000-3-3; EN61000-3-2

## OTHERS

<b>Wire and plug</b>	Wire: 20AWG, length = 100cm ±50mm	Plug: 2.5/5.5, positive inside
<b>Dimensions</b>	170 x 65 x 40mm (L x W x H)	
<b>Net Weight</b>	393g	

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.



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