

# POSC12300A-H-L series

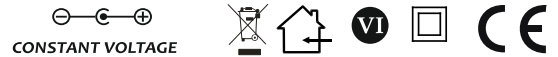
12V / 3A Wall mounted type AC/DC adaptor



## ■ Features:

- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- MTBF >100.000 h

- Protections: Overload / Short circuit / Over Voltage



## ELECTRICAL SPECIFICATION

<b>MODEL</b>	POSC12300A-H-L
<b>OUTPUT</b>	
<b>Rated Voltage</b>	12V
<b>Rated Current</b>	3A
<b>Current Range</b>	0 ÷ 3A
<b>Rated Power</b>	36W
<b>Line Regulation</b>	± 5%
<b>Load Regulation</b>	± 10%
<b>Tolerance [3]</b>	± 10%
<b>Ripple &amp; Noise (max.) [2]</b>	200mV <sub>p-p</sub>
<b>Rise Time [4]</b>	3ms / 230VAC at 10% to 90% load
<b>Hold up Time (typ.)</b>	100ms / 230VAC at full load

<b>INPUT</b>	
<b>Voltage Range</b>	90 ÷ 264VAC
<b>Frequency Range</b>	47 ÷ 63Hz
<b>Efficiency (typ.)</b>	87.41% - Input115/230Vac / Average (25%+50%+75%+100%) /4
<b>AC Current (typ.)</b>	1,2A / 230VAC
<b>No load Power Consumption (max.)</b>	<0.10W

<b>PROTECTIONS</b>	
<b>Overload</b>	3.3A-6.6A Auto-recovery.
<b>Short Circuit</b>	Type: hiccup mode, auto-recovery.
<b>Over Voltage</b>	Type: auto-recovery.

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## WORKING ENVIRONMENT

<b>Working Temperature</b>	-5°C ÷ 40°C
<b>Working Humidity</b>	5 ÷ 95% RH non-condensing
<b>Storage Temperature and Humidity</b>	-40°C ÷ 85°C, 5 ÷ 90% RH non-condensing

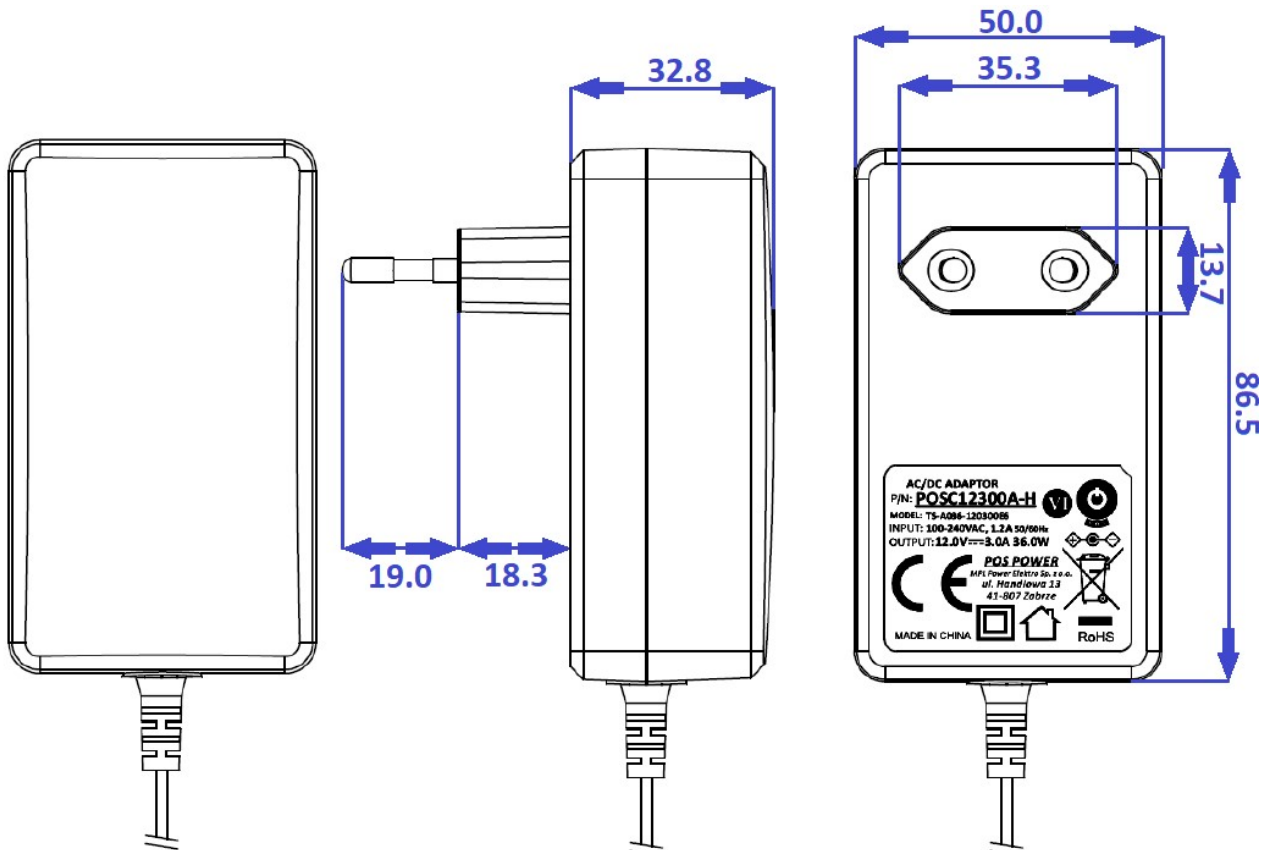
## SAFETY and EMC REGULATIONS

<b>Safety Standards</b>	Compliance to EN 62368
<b>Withstand Voltage</b>	IN/OUT: 3.6kVAC
<b>Isolation Resistance</b>	IN/OUT: 50MΩ/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>DC wire and plug</b>	Wire: 20AWG*2C, length = 1500mm	Plug: 2.1/5.5mm, L-Type (Angled 90°)
<b>Net Weight / Dimensions</b>	136g / 86.5 x 50.0 x 32.8mm (L x W x H)	

## MECHANICAL SPECIFICATION

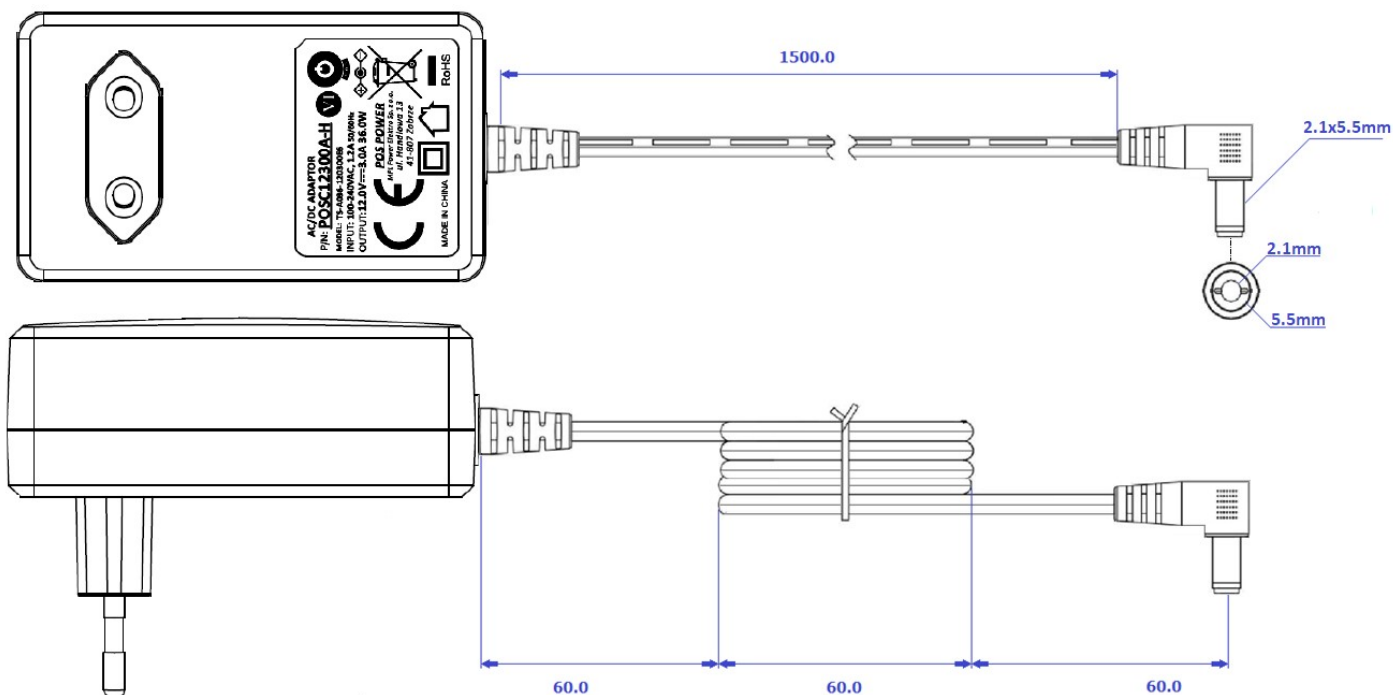


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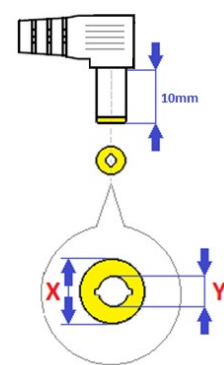
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## MECHANICAL SPECIFICATION: DC wire and plug



MODEL	DC PLUG	X [mm]	Y [mm]	Polarity
POSC12300A-H-L	5.5x2.1mm	5.5	2.1	center positive
POSC12300A-H-2555L	5.5x2.5mm	5.5	2.5	center positive
POSC12300A-H-1335L	3.5x1.3mm	3.5	1.3	center positive
POSC12300A-H-1740L	4.0x1.7mm	4.0	1.7	center positive
POSC12300A-H-1748L	4.8x1.7mm	4.8	1.7	center positive
POSC12300A-H-CNL	5.5x2.1mm	5.5	2.1	center negative
POSC12300A-H-2555-CNL	5.5x2.5mm	5.5	2.5	center negative
POSC12300A-H-1335-CNL	3.5x1.3mm	3.5	1.3	center negative
POSC12300A-H-1740-CNL	4.0x1.7mm	4.0	1.7	center negative
POSC12300A-H-1748-CNL	4.8x1.7mm	4.8	1.7	center negative



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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