

POS-200-24-C series

200W Switching Power Supply (CV)



■ Features:

- Constant voltage design
- Universal AC input range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection



⊙ ELECTRICAL SPECIFICATION

MODEL	POS-200-24-C
OUTPUT	
Rated Voltage	24V
Rated Current	8.8A
Current Range	0 ÷ 8.8A
Rated Power	212W
Line Regulation	± 0.5%
Load Regulation	± 0.5%
Voltage Tolerance [3]	± 1%
Ripple & Noise (max.) [2]	150mV _{p-p}
Setup, Rise Time [4]	1500ms, 30ms / 230VAC at full load
Hold up Time (typ.)	16ms / 230VAC at full load
INPUT	
Voltage Range	90 ÷ 132VAC, 180 ÷ 264VAC (selectable by switch)
Frequency Range	47 ÷ 63Hz
Power Factor (typ.)	PF > 0.6 / 230VAC at full load
Efficiency (typ.)	89,5%
AC current (typ.)	2.5A / 230VAC, 4.0A / 115VAC
Inrush current (max.)	60A / 230VAC (25°C)
No Load Power Consumption (max.)	0.75W
PROTECTIONS	
Over Current	Range: 105 ÷ 150%
	Type: hiccup mode. Recovers automatically after fault condition is removed.
Short Circuit	Type: hiccup mode. Recovers automatically after fault condition is removed.
Over Voltage	Range: 115 ÷ 150%
	Type: hiccup mode. Recovers automatically after fault condition is removed.
Over Temperature	Type: shut down output voltage. Recovers automatically after fault condition is removed.

WORKING ENVIRONMENT

Working Temperature	-20°C ÷ +70°C
Working Humidity	20 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-20°C ÷ +90°C, 10 ÷ 95% RH non-condensing

SAFETY AND EMC REGULATIONS

Safety Standards	Compliance to EN60950-1
Withstand Voltage	IN/OUT: 1.5kVAC; IN/GND: 1.5kVAC; OUT/GND: 500VAC
EMC Emission	Compliance to EN55032, EN61000-3-2, EN61000-3-3
EMC Immunity	Compliance to EN55024

OTHERS

Dimensions	159 x 97 x 30mm (L x W x H)
Weight	0.5kg

EAN Code



1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

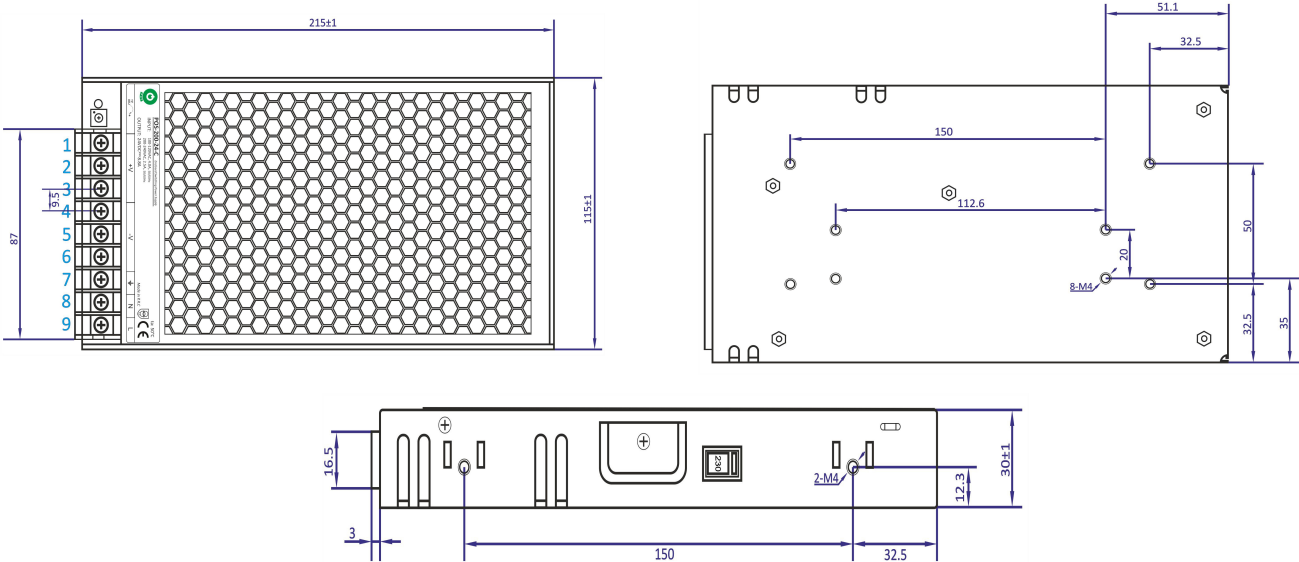
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.

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.

MECHANICAL SPECIFICATION



PIN ASSIGNMENT

No.	Assignment	No.	Assignment
1,2,3	Output: U _{OUT} +	8	Input: AC/N
4,5,6	Output: U _{OUT} -	9	Input: AC/L
7	GND		

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