

# POS-350-C series

350W Switching Power Supply (CV)



## ■ Features:

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



## © ELECTRICAL SPECIFICATION

MODEL	POS-350-12-C	POS-350-24-C
<b>WYJŚCIE</b>		
<b>Rated Voltage</b>	12V	24V
<b>Voltage Adjustment</b>	10.8 ÷ 13.2V	21.6 ÷ 26.4V
<b>Rated Current</b>	29.0A	14.4A
<b>Current Range</b>	0 ÷ 29.0A	0 ÷ 14.4A
<b>Rated Power</b>	348W	350.4W
<b>Line Regulation</b>	± 0.5%	
<b>Load Regulation</b>	± 1%	± 0.5%
<b>Voltage Tolerance [3]</b>	± 1.5%	± 1%
<b>Ripple &amp; Noise (max.) [2]</b>	260mV <sub>p-p</sub>	
<b>Setup, Rise Time [4]</b>	1300ms, 50ms / 230VAC at full load	
<b>Hold up Time (typ.)</b>	16ms / 230VAC at full load	
<b>INPUT</b>		
<b>Voltage Range</b>	90 ÷ 132VAC, 180 ÷ 264VAC (selectable by switch)	
<b>Frequency Range</b>	47 ÷ 63Hz	
<b>Power Factor (typ.)</b>	PF > 0.65 / 230VAC at full load	
<b>Efficiency (typ.)</b>	86%	88%
<b>AC current (typ.)</b>	4.0A / 230VAC, 6.8A / 115VAC	
<b>Inrush current (max.)</b>	60A / 230VAC(25°C)	
<b>No Load Power Consumption (max.)</b>	0.75W	
<b>PROTECTIONS</b>		
<b>Over Current</b>	Range: 110 ÷ 140% Type: hiccup mode. Recovers automatically after fault condition is removed.	
<b>Short Circuit</b>	Type: hiccup mode. Recovers automatically after fault condition is removed.	
<b>Over Voltage</b>	Range: 115 ÷ 140% Type: shut down output voltage. Recovers automatically after fault condition is removed.	

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## WORKING ENVIRONMENT

<b>Working Temperature</b>	-20°C ÷ +70°C (refer to Derating Curve)
<b>Working Humidity</b>	20 ÷ 90% RH non-condensing
<b>Storage Temperature and Humidity</b>	-40°C ÷ +85°C, 10 ÷ 95% RH non-condensing

## SAFETY AND EMC REGULATIONS

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

## OTHERS

<b>Dimensions</b>	215 x 115 x 30mm (L x W x H)
<b>Weight and Packing</b>	12V: 0.81kg; 20pcs./ctn; ctn weight and dimensions: 16.2kg; 39.5 x 24 x 27.5cm 24V: 0.76kg; 39pcs./ctn; ctn weight and dimensions: 39kg; 46 x 37 x 23cm

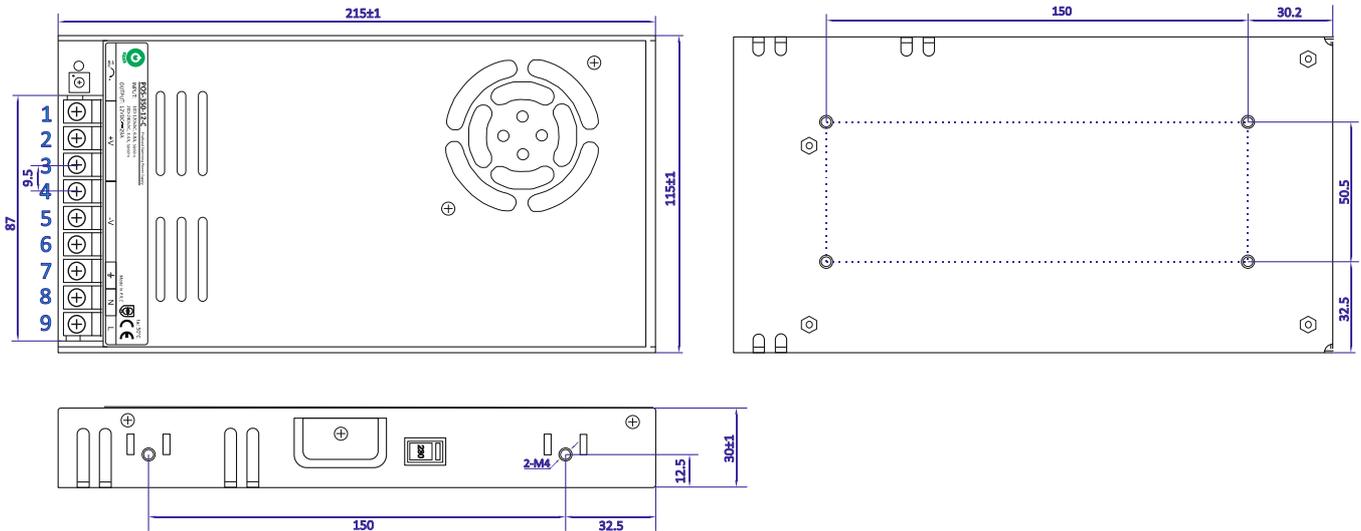
EAN Code



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 intended 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

### POS-350-12-C

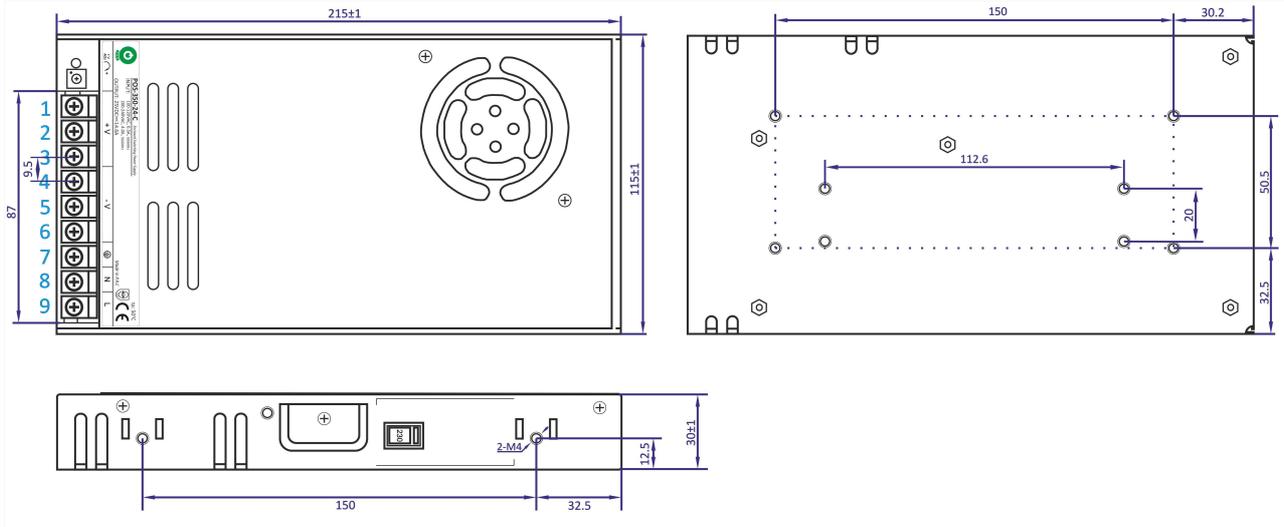


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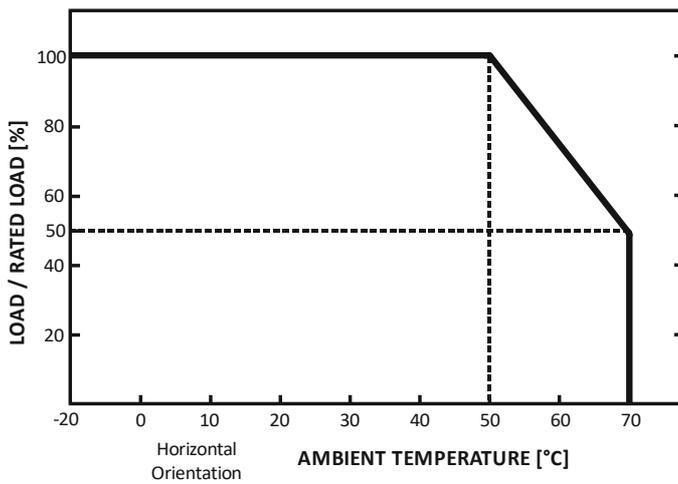
## POS-350-24-C



### PIN ASSIGNMENT

No.	Assignment	No.	Assignment
8	Input: AC/N	4,5,6	Output: U <sub>OUT-</sub>
9	Input: AC/L	1,2,3	Output: U <sub>OUT+</sub>
7	GND	VR1	Output voltage adjustment

### Ⓢ DERATING CURVE



### Ⓢ STATIC CHARACTERISTIC

