

POS-350-C series

350W Constant Voltage Low Profile Enclosed Switching Power Supply



■ Features:

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



Ⓢ ELECTRICAL SPECIFICATION

MODEL	POS-350-5-C	POS-350-12-C	POS-350-24-C
WYJŚCIE			
Rated Voltage	5V	12V	24V
Voltage Adjustment	4.5 ÷ 5.5V	10.8 ÷ 13.2V	21.6 ÷ 26.4V
Rated Current	60.0A	29.0A	14.4A
Current Range	0 ÷ 60.0A	0 ÷ 29.0A	0 ÷ 14.4A
Rated Power	300W	348W	350.4W
Line Regulation	± 0.5%		
Load Regulation	± 1%		± 0.5%
Voltage Tolerance [3]	± 1.5%		± 1%
Ripple & Noise (max.) [2]	260mV _{p-p}		
Setup, Rise Time [4]	1300ms, 50ms / 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 > 0.65 / 230VAC at full load		
Efficiency (typ.)	83%	86%	88%
AC current (typ.)	4.0A / 230VAC, 6.8A / 115VAC		
Inrush current (max.)	60A / 230VAC(25°C)		
No Load Power Consumption (max.)	0.75W		
PROTECTIONS			
Over Current	Range: 110 ÷ 140% 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 ÷ 140% Type: shut down output voltage. Recovers automatically after fault condition is removed.		
Over Temperature	Type: hiccup mode. Recovers automatically after fault condition is removed.		

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WORKING ENVIRONMENT

Working Temperature	-20°C ÷ +70°C (refer to Derating Curve)
Working Humidity	20 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-40°C ÷ +85°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

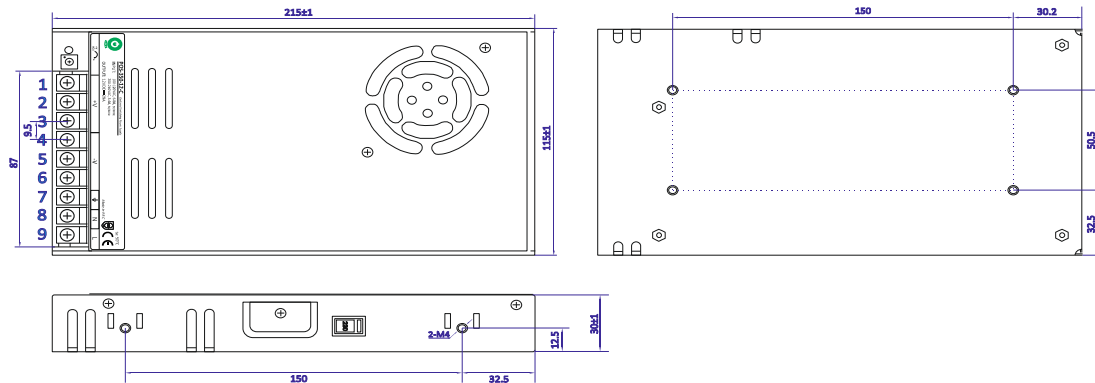
Dimensions	215 x 115 x 30mm (L x W x H)
Weight and Packing	0.81kg; 20pcs./ctn; ctn weight and dimensions: 16.2kg; 39.5 x 24 x 27.5cm

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.

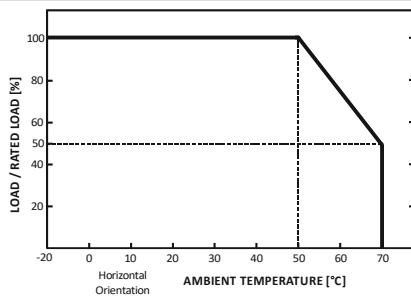
MECHANICAL SPECIFICATION



PIN ASSIGNMENT

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

DERATING CURVE



STATIC CHARACTERISTIC

