

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
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OUTPUT

Rated Voltage	12V
Rated Current	29.0A
Current Range	0 ÷ 29.0A
Rated Power	348W
Line Regulation	± 0.5%
Load Regulation	± 1%
Voltage Tolerance [3]	± 1.5%
Ripple & Noise (max.) [2]	150mV _{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 > 0.6 / 230VAC at full load
Efficiency (typ.)	86%
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.

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WORKING ENVIRONMENT

Working Temperature	-20°C ÷ +70°C
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

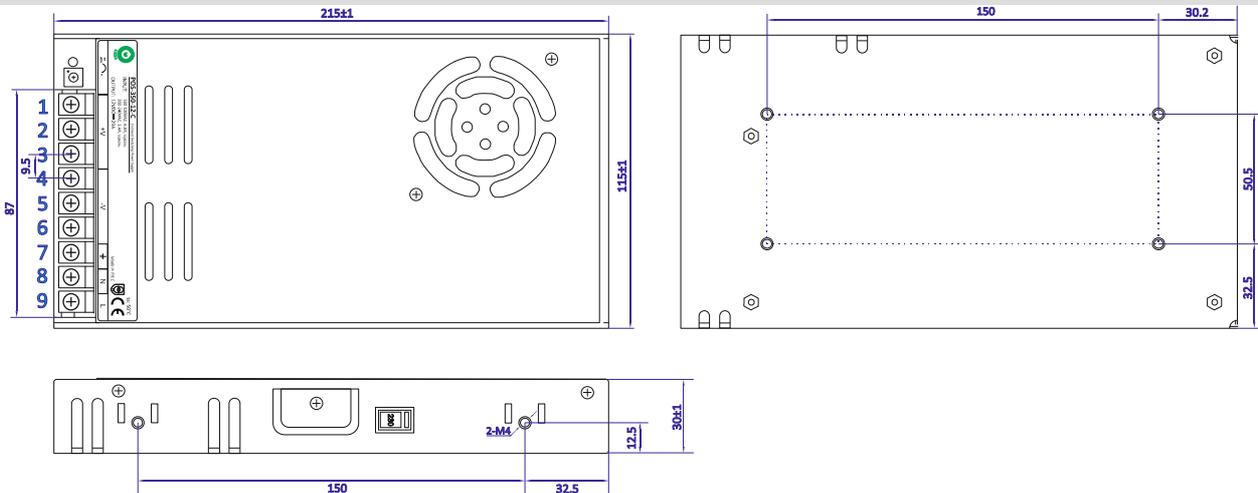
Dimensions	215 x 115 x 30mm (L x W x H)
Weight and Packing	0.81kg; 20pcs./ctn; ctn weight and dimensions: 16.2kg; 39.5 x 24 x 27.5cm

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

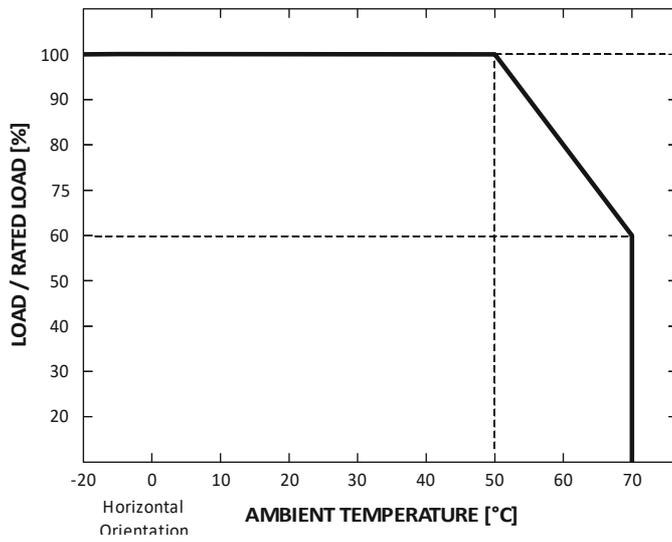
No.	Assignment	No.	Assignment
1	Input: AC/N	4,5,6	Output: U _{OUT-}
2	Input: AC/L	7,8,9	Output: U _{OUT+}
3	GND		

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⊙ DERATING CURVE



⊙ STATIC CHARACTERISTIC

