

POS-350-24-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-350-24-C
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OUTPUT

Rated Voltage	24V, voltage range 21.6÷26.4V
Rated Current	14.4A
Current Range	0 ÷ 14.4A
Rated Power	350.4W
Line Regulation	± 0.5%
Load Regulation	± 1%
Voltage Tolerance [3]	± 1.5%
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.)	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.

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

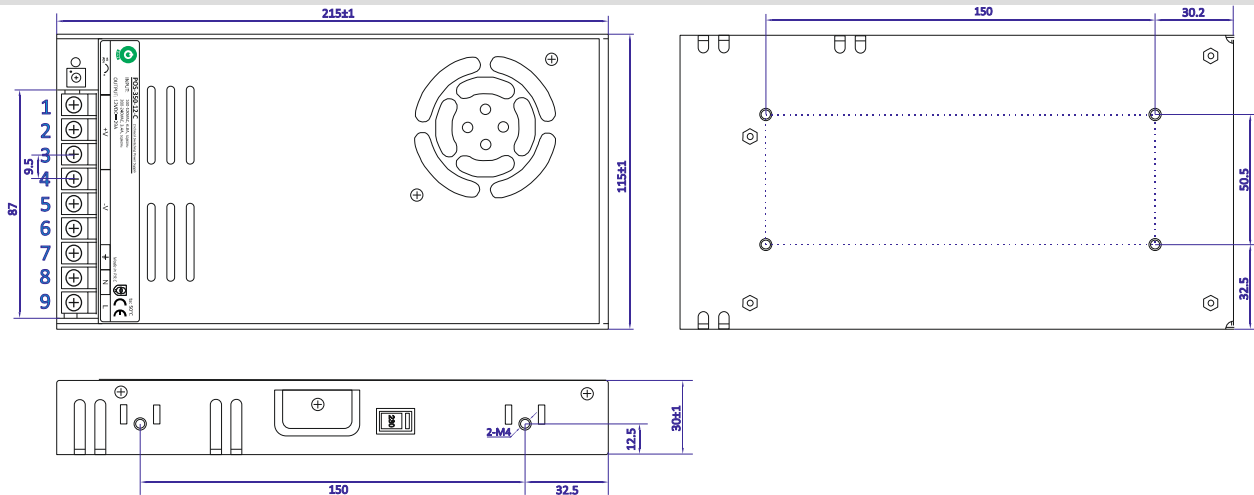
OTHERS

Dimensions	215 x 115 x 30mm (L x W x H)
Weight and Packing	0.76kg; 39pcs./ctn; ctn weight and dimensions: 39kg; 46 x 37 x 23cm

EAN Code	 5 902135 125335
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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.

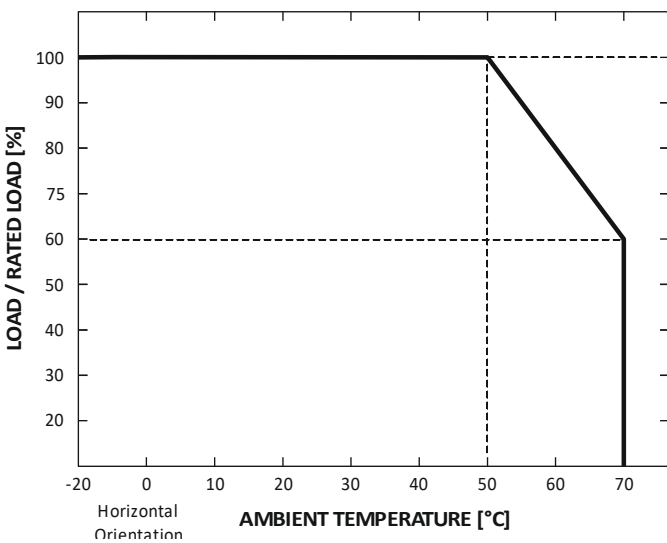
Ⓢ MECHANICAL SPECIFICATION



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		

⊗ *DERATING CURVE*



⊗ *STATIC CHARACTERISTIC*

