

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-350-12-C | POS-350-24-C |
|---|---|--------------|
| WYJŚCIE | | |
| Rated Voltage | 12V | 24V |
| Voltage Adjustment | 10.8 ÷ 13.2V | 21.6 ÷ 26.4V |
| Rated Current | 29.0A | 14.4A |
| Current Range | 0 ÷ 29.0A | 0 ÷ 14.4A |
| Rated Power | 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.) | 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

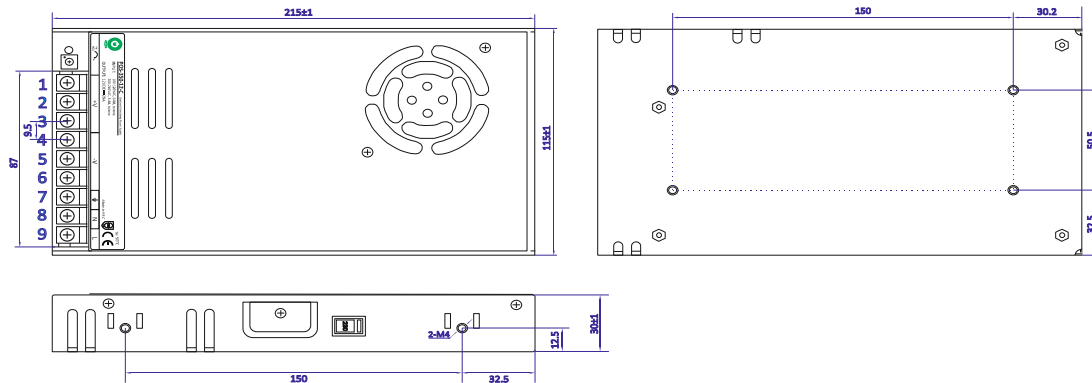
| | |
|---------------------------|---|
| Dimensions | 215 x 115 x 30mm (L x W x H) |
| Weight and Packing | 0.81kg; 20pcs./ctn; ctn weight and dimensions: 16.2kg; 39.5 x 24 x 27.5cm |

EAN Code



- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF i 47µF parallel capacitor.
- Tolerance includes set up tolerance, line regulation and load regulation.
- Setup and rise time is measured from 0 to 90% rated output voltage.
- 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.

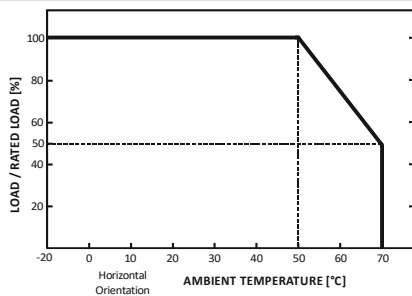
MECHANICAL SPECIFICATION



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

