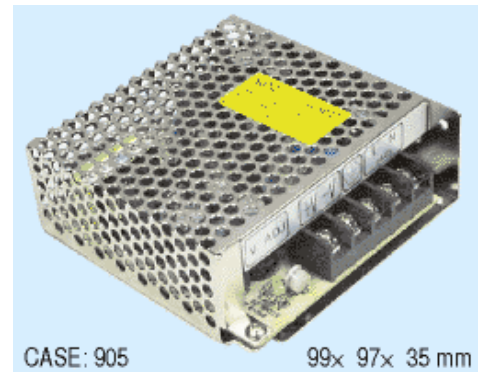


PS-24-11A Switching Power Supply

The PS-24-11A Switching Power Supply offers high reliability, compact size, light weight at low cost. It includes the following features:

- 105°C output capacitor
- 100% full load burn-in test
- International AC input range
- Built-in EMI filter, low ripple noise
- High efficiency, low working temperature
- Soft-start circuit, limiting AC surge current
- Short circuit, overload, over-voltage protected
- Mounting: DIN-rail snap-mounted, or screw-mounted to a surface



User safety and equipment protection guidelines

This document is intended to aid trained and competent personnel in the use of this equipment. Only a technician or engineer trained in the local and national electrical standards should perform tasks associated with the electrical wiring of this device.

- Under no circumstances will Unitronics be liable or responsible for any consequential damage resulting from installation or use of this equipment, and is not responsible for problems resulting from improper or irresponsible use of this device.
- All examples and diagrams shown in the manual are intended to aid understanding. They do not guarantee operation.
- Unitronics accepts no responsibility for actual use of this product based on these examples.
- Only qualified service personnel should open this device or carry out repairs.
- Please dispose of this product in accordance with local and national standards and regulations.



- Failure to comply with appropriate safety guidelines can result in severe personal injury or property damage. Always exercise proper caution when working with electrical equipment.

PS-24-11A Switching Power Supply Technical Specifications

DC output voltage	24V
Output V. tolerance	±1%
Output rated current	1.1A
Output current range	0-1.1A
Ripple & noise	100mVp-p
Line regulation	±0.5%
Load regulation	±0.5%
DC output power	26.4W
Efficiency	80% / 115VAC
DC voltage adj.	±10%
Input voltage range	85~264VAC 47~63Hz; 120~370VDC
AC current	0.6A/115V, 0.35A/230V
Inrush current	Cold start 15A/115V, 30A/230V
Leakage current	<0.75mA/240VAC
Overload protection	105%~150% type, pulsing hiccup shutdown reset, auto recovery
Over voltage protection	115%~135%
Temp. Coefficient	±0.03% / °C (0~50°C, 32 -122°F)
Setup, rise, hold-up time	800ms, 50ms, 10ms / 115VAC 300ms, 50ms, 80ms / 230VAC
Vibration	10~500Hz, 2g 10min./1cycle, period for 60min. Each axis.
Withstand voltage	I/P-O/P, 3kVAC I/P-FG, 1.5kVAC O/P-FG: 0.5kVAC
Isolation	I/P-O/P, I/P-FG, O/P-FG, 500VDC / 100M ohms

Environmental

Working temp., humidity	-10°C~+60°C, 14 - 140° F (refer to output derating curve), 20%~90% RH
Storage temp., humidity	-20°C~+85°C, -4 - 185°F, 10%~95% RH
Dimension	99x97x35mm (3.9" x3.82"x1.38"); Case: 905
Weight	370g (13.05 oz)
Safety standards	UL1012, TUV EN60950 (IEC950, UL1950) approved
EMC standards	CISPR22 (EN55022), IEC801-2,3,4, IEC555-2 verification

Notes

1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH. ambient.
2. Tolerance, include set up tolerance, line regulation, load regulation.
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor.
4. Line regulation is measured from low line to high line at rated load.
5. Load regulation is measured from 0% to 100% rated load.
6. C6 must be removed.

Mechanical Drawings

