



50W AC DC Power Supply S-50-24

Features:

- AC input range selected by switch
- Protections: Short circuit/Over load
- Cooling by free air convection
- LED indicator for power on
- Fixed switching frequency at 27 KHz
- 1 year warranty

50W AC DC Power Supply S-50-24 Specification

MODEL		S-50-24
OUTPUT	DC VOLTAGE	24V
	RATED CURRENT	2.1A
	CURRENT RANGE	0 ~ 2.1A
	RATED POWER	50.4W
	RIPPLE & NOISE (max.) Note.2	100mVp-p
	VOLTAGE ADJ. RANGE	22.6 ~ 26.4V
	VOLTAGE TOLERANCE Note.3	±1.0%
	LINE REGULATION	±0.5%
	LOAD REGULATION	±0.5%
	SETUP, RISE, HOLD TIME	200ms, 100ms, 20ms at full load
INPUT	VOLTAGE RANGE	85 ~ 132VAC / 170 ~ 264VAC selected by switch 240 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	82%
	AC CURRENT	1.3A/115VAC 0.65A/230VAC
	INRUSH CURRENT (max.)	COLD START 18A/115VAC 36A/230VAC
	LEAKAGE CURRENT	<1mA / 240VAC
PROTECTION	OVERLOAD	105 ~ 150% rated output power
		Protection type: Fold back current limiting, recovers automatically after fault condition is removed.
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS	Design refer to UL1012
	WITHSTAND VOLTAGE	I/P-O/P: 1.5KVAC/I/P-FG: 1.5KVACO/P-FG: 0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC

	EMI CONDUCTION & RADIATION	Design refer to FCC Part15 J Conduction Class B
OTHERS	MTBF	408.3K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	159*97*38mm (L*W*H)
	PACKING	0.45Kg; 30pcs/14.92Kg/0.0250CBM
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance: includes set up tolerance, line regulation and load regulation.</p>	

