



200W 12V Power Supplies S-200-12

Features:

- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage
- Forced air cooling by built-in DC fan
- PWM control and regulated
- 100% full load burn-in test
- Fixed switching frequency at 25 KHz
- Low cost
- 1 year warranty

200W 12V Power Supplies S-200-12 Specification

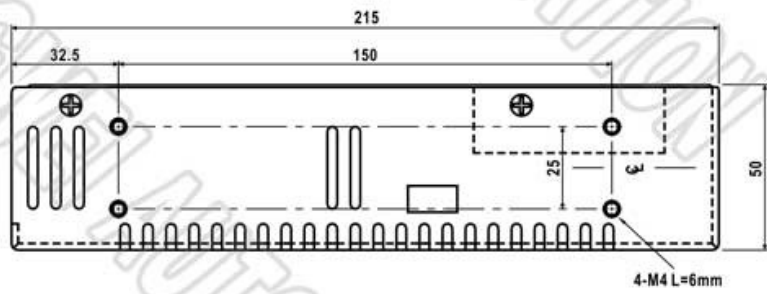
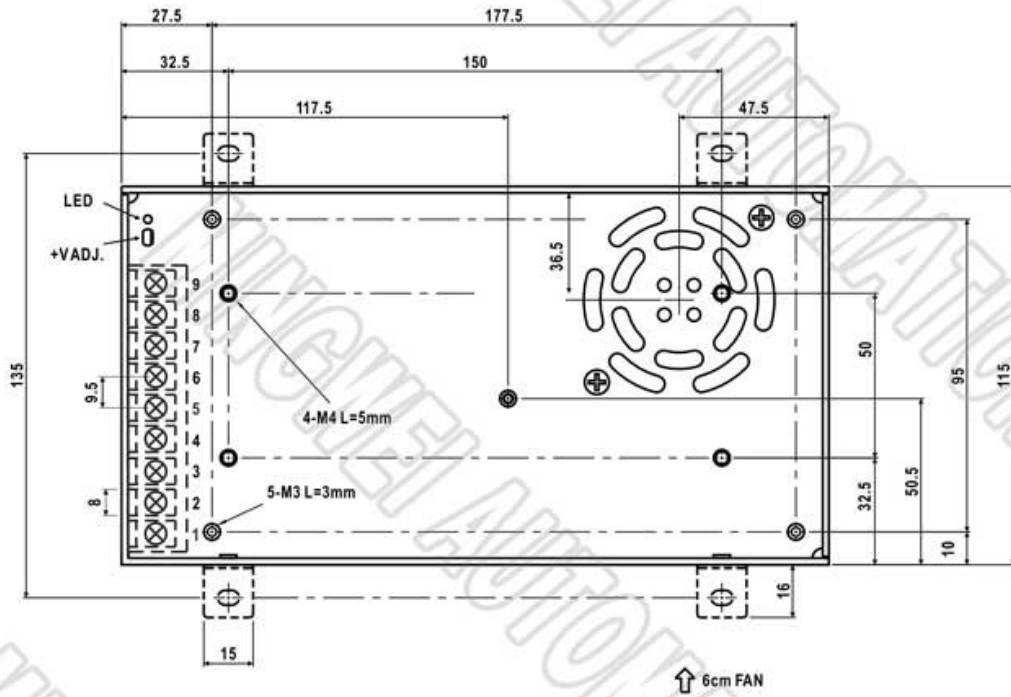
MODEL		S-200-12
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	16.5A
	CURRENT RANGE	0 ~ 16.5A
	RATED POWER	198W
	RIPPLE & NOISE (max.) Note.2	150mVp-p
	VOLTAGE ADJ. RANGE	10 ~ 13.2V
	VOLTAGE TOLERANCE Note.3	±1.0%
	LINE REGULATION	±0.5%
	LOAD REGULATION	±0.5%
	SETUP, RISE, HOLD TIME	200ms, 100ms, 20ms at full load
	INPUT	VOLTAGE RANGE
FREQUENCY RANGE		47 ~ 63Hz
EFFICIENCY (Typ.)		80%
AC CURRENT		4.5A/115VAC 2.5A/230VAC
INRUSH CURRENT (max.)		25A/115VAC 50A/230VAC
LEAKAGE CURRENT		<3.5mA / 240VAC
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type: Constant current limiting, recovers automatically after fault condition is removed.
	OVER VOLTAGE	13.8 ~ 16.2V Protection type: Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	≥90°C(RTH3) Detect on inside ambient temperature Protection type: Shut down o/p voltage, re-power on to recover automatically after temperature goes down
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 UL1950
	WITHSTAND VOLTAGE	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC
	EMI CONDUCTION &	Design refer to FCC Part15J Conduction Class A

	RADIATION	
OTHERS	MTBF	271.9K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	215*115*50mm (L*W*H)
	PACKING	0.83Kg; 12pcs/11.4Kg/0.0263CMB
NOTE	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 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation.	

200W 12V Power Supplies S-201-12 Mechanical Specification:

■ Mechanical Specification

Unit: mm



Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4~6	-V
2	AC/N	7~9	+V
3	FG		