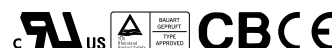

■ Features :

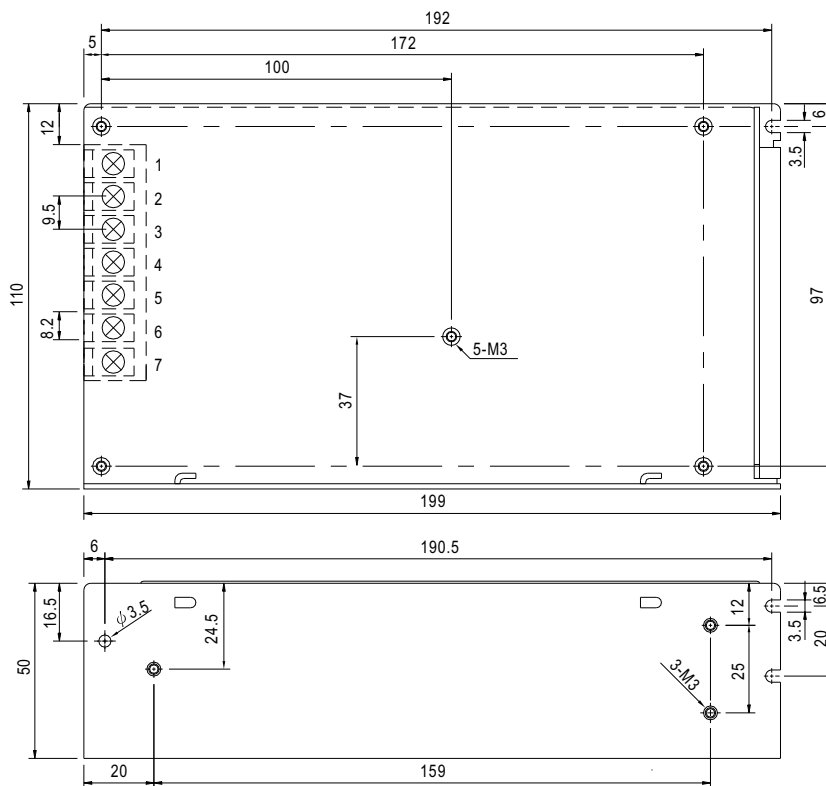
- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage
- Charger for lead-acid batteries
- Built-in constant current limiting circuit
- Built-in temperature compensation circuit
- Alarm signal output
- Fixed switching frequency at 25KHz
- 2 years warranty


SPECIFICATION

MODEL		SC-150-13.5	SC-150-27	SC-150-54
OUTPUT	DC VOLTAGE	13.5V	27V	54V
	RATED CURRENT	11.2A	5.6A	2.8A
	CURRENT RANGE	0 ~ 11.2A	0 ~ 5.6A	0 ~ 2.8A
	RATED POWER	151.2W	151.2W	151.2W
	RIPPLE & NOISE (max.) Note.2	180mVp-p	240mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	12 ~ 15V	24 ~ 30V	48 ~ 56V
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.3%	±0.2%	±0.2%
	LOAD REGULATION	±0.3%	±0.2%	±0.2%
	SETUP, RISE TIME	100ms, 50ms at full load		
	HOLD UP TIME (Typ.)	24ms at full load		
INPUT	VOLTAGE RANGE	88 ~ 132VAC/176 ~ 264VAC selected by switch 248 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	83%	86%	86%
	AC CURRENT (Typ.)	3.2A/115VAC 1.6A/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 35A		
	LEAKAGE CURRENT	<3.5mA / 240VAC		
PROTECTION	OVERLOAD	105 ~ 150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed		
	OVER VOLTAGE	15.53 ~ 18.23V	31.05 ~ 36.45V	62.1 ~ 72.9V
		Protection type : Shut down o/p voltage, re-power on to recover		
ENVIRONMENT	WORKING TEMP.	-10 ~ +60℃ (Refer to output load derating curve)		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC 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 / 25℃ / 70% RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B		
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3		
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A		
OTHERS	MTBF	234.1K Hrs min. MIL-HDBK-217F (25℃)		
	DIMENSION	199*110*50mm (L*W*H)		
	PACKING	0.8Kg; 16pcs/13.9Kg/0.95CUFT		
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.			

Case No. 906 Unit:mm

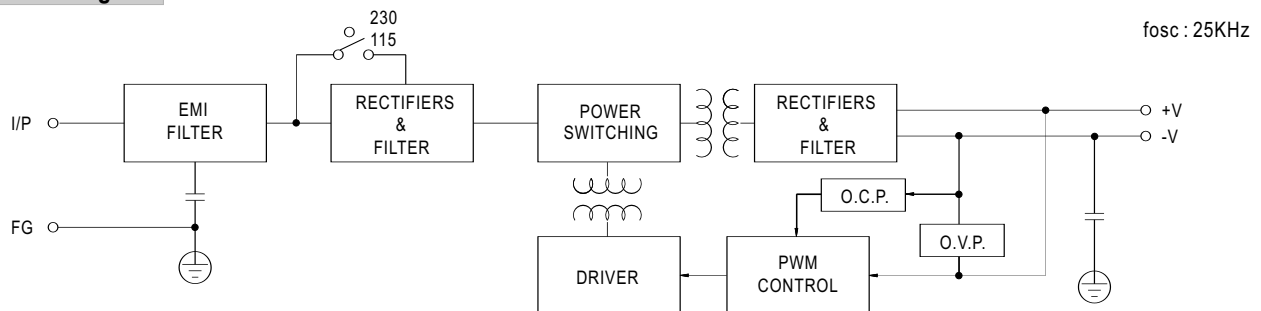
Mechanical Specification



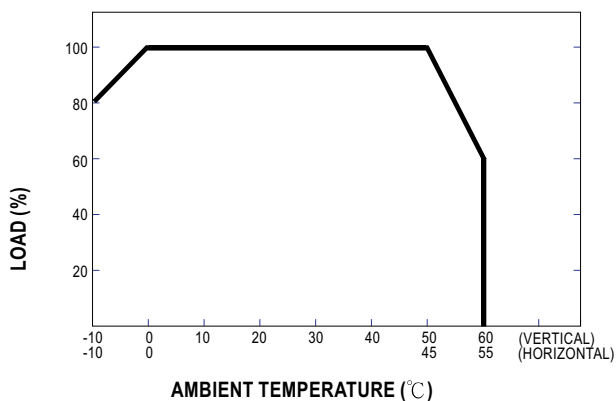
Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	5	RTH(Thermistor)
2	AC/N	6	DC OUTPUT -V
3	FG \perp	7	DC OUTPUT +V
4	PSF(Power Supply Fault)		

Block Diagram



Derating Curve



Static Characteristics (27V)

