

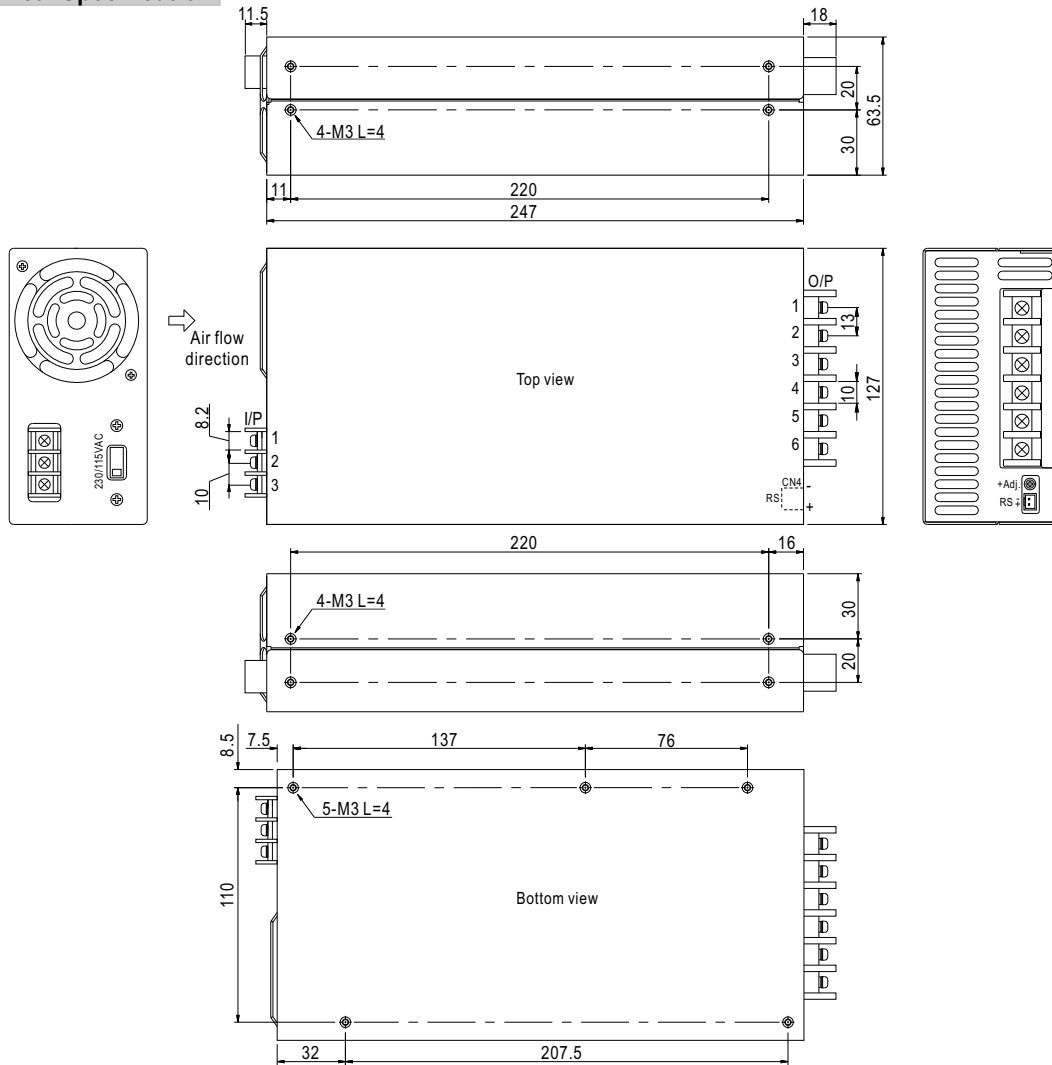

**Features :**

- High power density 4.9w/in<sup>3</sup>
- AC input active surge current limiting
- AC input range selected by switch
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Forced air cooling by built-in DC fan
- Built-in remote sense function
- Low cost

MODEL		SE-600-5	SE-600-12	SE-600-15	SE-600-24	SE-600-27	SE-600-48	
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	27V	48V	
	RATED CURRENT	100A	50A	40A	25A	22.2A	12.5A	
	CURRENT RANGE	0 ~ 100A	0 ~ 50A	0 ~ 40A	0 ~ 25A	0 ~ 22.2A	0 ~ 12.5A	
	RATED POWER	500W	600W	600W	600W	599.4W	600W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	10 ~ 13.5V	13.5 ~ 16.5V	22 ~ 26.4V	24 ~ 30V	43 ~ 56V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION	±2.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE, HOLD TIME	1000ms, 50ms, 20ms/230VAC, 1000ms, 50ms, 50ms/115VAC at full load						
INPUT	VOLTAGE RANGE	90 ~ 130VAC / 180~260VAC selected by switch, 254~370VDC						
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY (Typ.)	78%	83%	84%	87%	87%	88%	
	AC CURRENT	12A / 115VAC, 7.5A / 230VAC						
	INRUSH CURRENT (max.)	25A / 230VAC, 50A / 230VAC						
	LEAKAGE CURRENT	<2.0mA / 240VAC						
PROTECTION	OVERLOAD	110~135% rated output power Protection type : Shut down o/p voltage, re-power on to recover						
	OVER VOLTAGE	5.75 ~ 6.3V	13.8 ~ 16.2V	18 ~ 21V	27.6 ~ 32.4V	31 ~ 36.5V	57.6 ~ 67.2V	
		Protection type : Shut down o/p voltage, re-power on to recover.						
	OVER TEMPERATURE	85°C± 5°C (TSW1) Detect on heatsink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down						
ENVIRONMENT	WORKING TEMP., HUMIDITY	-20 ~ +60°C (Refer to output load derating curve), 20 ~ 90% RH						
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 50°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes						
SAFETY & EMC	SAFETY STANDARDS	Design refer to UL60950-1						
	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						
OTHERS	MTBF	197khrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	247*127*63.5mm (L*W*H)						
	PACKING	2.1Kg; 6pcs/13.4Kg/0.98CUFT						
NOTE	1. All parameters are specified at 230VAC input, rated load, 25°C. 70% RH. Ambient. 2. Tolerance: includes 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.							

■ Mechanical Specification

Unit:mm



AC input terminal :

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG

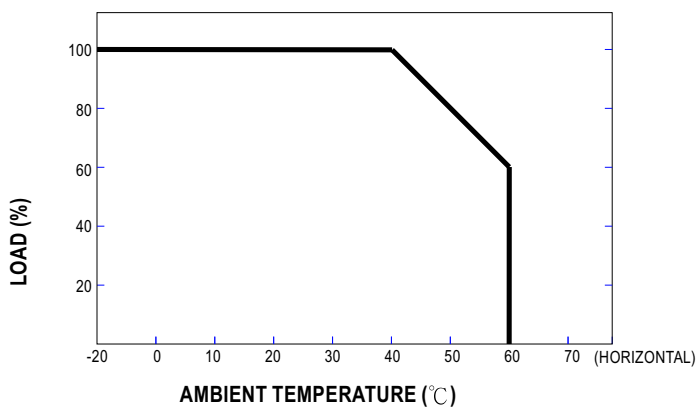
DC Output terminal :

Pin No.	Assignment
1~3	+V
4~6	-V

RS Connector (CN4) : JST B-XH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	+S	JST XHP or equivalent	JST SXH-001T or equivalent
2	-S		

■ Derating Curve



■ Static Characteristics

