

Features

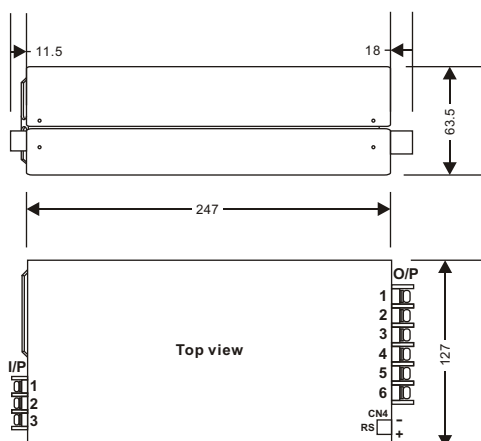
- AC input active surge current limiting.
- AC input range selected by switch.
- Short circuit, overload, over voltage, over temperature protection.
- Forced air cooling by built-in DC fan.
- Built-in remote sense function.
- Low cost, high reliability.



Specifications

TYPE		SM-E600-5	SM-E600-12	SM-E600-15	SM-E600-24	SM-E600-27	SM-E600-48
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, 16ms/230VAC 1000ms, 50ms, 14ms/115VAC at full load						
INPUT	VOLTAGE RANGE	90 ~ 132VAC/180 ~ 264VAC 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.)	30A/115VAC 50A/230VAC					
	LEAKAGE CURRENT	<2.0mA/240VAC					
PROTECTION	OVER LOAD	105 ~ 125% of rate load 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
	OVER TEMPERATURE	85 ±5 (TSW1 : Detect on heat sink of power transistor) Protection type : Shut down o/p voltage, recovers automatically after temperature goes down					
ENVIRONMENT	WORKING TEMP., HUMIDITY	-10 ~ +60 (Refer to output load derating curve), 20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.05%/ (0 ~ 50)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	UL60950 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					
OTHERS	MTBF	197K hrs min. MIL-HDBK-217F (25)					
	DIMENSION	247 x 127 x 63.5mm (L x W x H)					
	PACKING	2Kgs/pcs, 6pcs/12Kgs/0.76CUFT					
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.						

Dimensions (Unit:mm)



Static Characteristics

