



## Features :

- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 83KHz
- 2 years warranty

## **SPECIFICATION**



MODEL		S-100F-5	S-100F-7.5	S-100F-12	S-100F-15	S-100F-24	S-100F-48
OUTPUT	DC VOLTAGE	5V	7.5V	12V	15V	24V	48V
	RATED CURRENT	20A	13.5A	8.5A	6.7A	4.5A	2.2A
	CURRENT RANGE	0 ~ 20A	0 ~ 13.5A	0 ~ 8.5A	0 ~ 6.7A	0 ~ 4.5A	0 ~ 2.2A
	RATED POWER	100W	101W	102W	100.5W	108W	105.6W
	RIPPLE & NOISE (max.) Note.2	100mVp-p	125mVp-p	125mVp-p	125mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5V	6.75 ~ 8.25V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	土1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	土0.5%	土0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±0.5%	土0.5%	土0.5%	±0.5%	土0.5%
	SETUP, RISE TIME	1000ms, 30ms at full load					
	HOLD UP TIME (Typ.)	20ms at full load					
INPUT	VOLTAGE RANGE	88 ~ 132VAC/176 ~ 264VAC selected by jumper or switch 248 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	76%	78%	80%	81%	83%	84%
	AC CURRENT (Typ.)	3.15A/115VAC 1.5A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 20A/115VAC 40A/230VAC					
	LEAKAGE CURRENT	<1mA / 240VAC					
PROTECTION	OVERLOAD	105 ~ 150% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	5.75 ~ 6.75V	8.63 ~ 10.13V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	55.2 ~ 64.8V
		Protection type : Hic	cup mode, recovers	automatically after fa	ult condition is remove	d	
ENVIRONMENT	WORKING TEMP.	-10 ~ +60 °C (Refer to output load derating curve)					
	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	SAFETY STANDARDS	CSA60950-1 (for 24V only), UL1012, 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°C/ 70% RH					
OTHERS	MTBF	314.9K hrs min. MIL-HDBK-217F ( $25^{\circ}$ C)					
	DIMENSION	199*98*38mm (L*W*H)					
	PACKING	0.65Kg; 20pcs/14.2h	(g/0.8CUFT				
NOTE	2. Ripple & noise are measure	lly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation.					



