

500W Single Output Power Supply

SA5C500W series



■ Features :

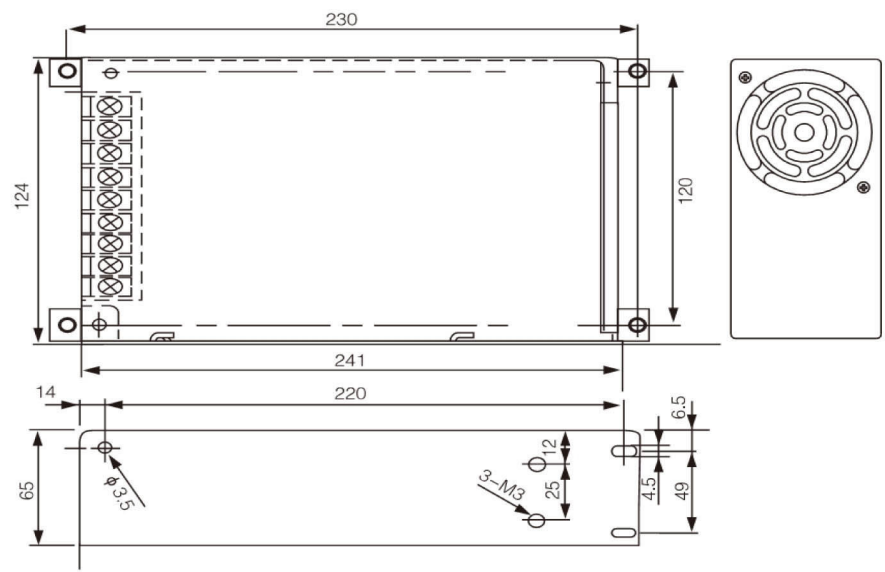
- Small volume, High efficiency
- Protections: Short circuit/Overload/Over voltage
- Forced air cooling by built-in DC fan
- LED indicator for power on
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

MODEL		SA5C500W12	SA5C500W15	SA5C500W24	SA5C500W36	SA5C500W48
OUTPUT	DC VOLTAGE	12V	15V	24V	36V	48V
	RATED CURRENT	40A	32A	20A	13.5A	10A
	CURRENT RANGE	0 ~ 40A	0 ~ 32A	0 ~ 20A	0-13.5A	0 ~ 10A
	RATED POWER	480W	480W	480W	486W	480W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	180mVP	200mVp-p
	VOLTAGE ADJ. RANGE	10 ~ 13.5V	13.5 ~ 16.5V	22 ~ 26.4V	32-40V	43 ~ 56V
	SETUP, RISE TIME	1.5s,50ms/230VAC				
HOLD UP TIME (Typ.)	20ms/230VAC 16ms/115VAc9At full load)					
INPUT	VOLTAGE RANGE	180-264VAC, 254-370VAC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	81%	82%	86%	86%	87%
	AC CURRENT (Typ.)	5.5A/230VAC				
	INRUSH CURRENT (Typ.)	50A/230VAC				
	LEAKAGE CURRENT	<3.5mA/240VAC				
PROTECTION	OVERLOAD	105%-150% rated output power Protection type : Shut down o/p voltage, re-power on to recover				
	OVER VOLTAGE	Protection type:Shut down o/p voltage,recovers automatically after fault condition is removed				
	OVER TEMP	Protection type:Output voltage decline,recovers automatically after temperature fall				
ENVIRONMENT	WORKING TEMP.	-20 ~ +60℃ (Refer to output load derating curve)				
	WORKING HUMIDITY	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	UL60950-1 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				
OTHERS	DIMENSION	247*127*63.5mm (L*W*H)				
	PACKING	2.1Kg; 6pcs/13.4Kg/1.03CUFT				
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.					

Mechanical Specification

Case No. 926A Unit:mm



AC input terminal :

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

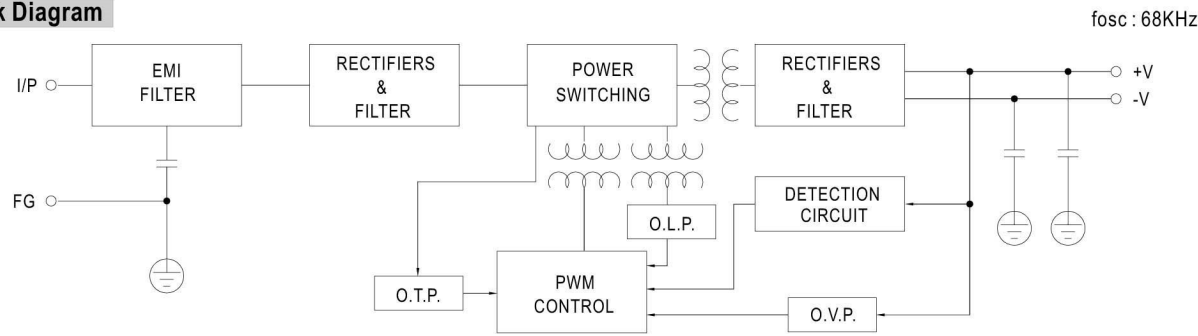
DC Output terminal :

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

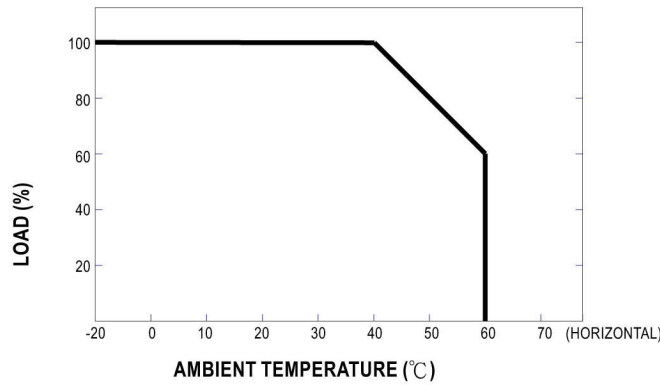
RS Connector (CN4) : JST B-XH or equivalent

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

Block Diagram



Derating Curve



Static Characteristics

