

100W Mini Size Type Power Supply

SA5C100W series



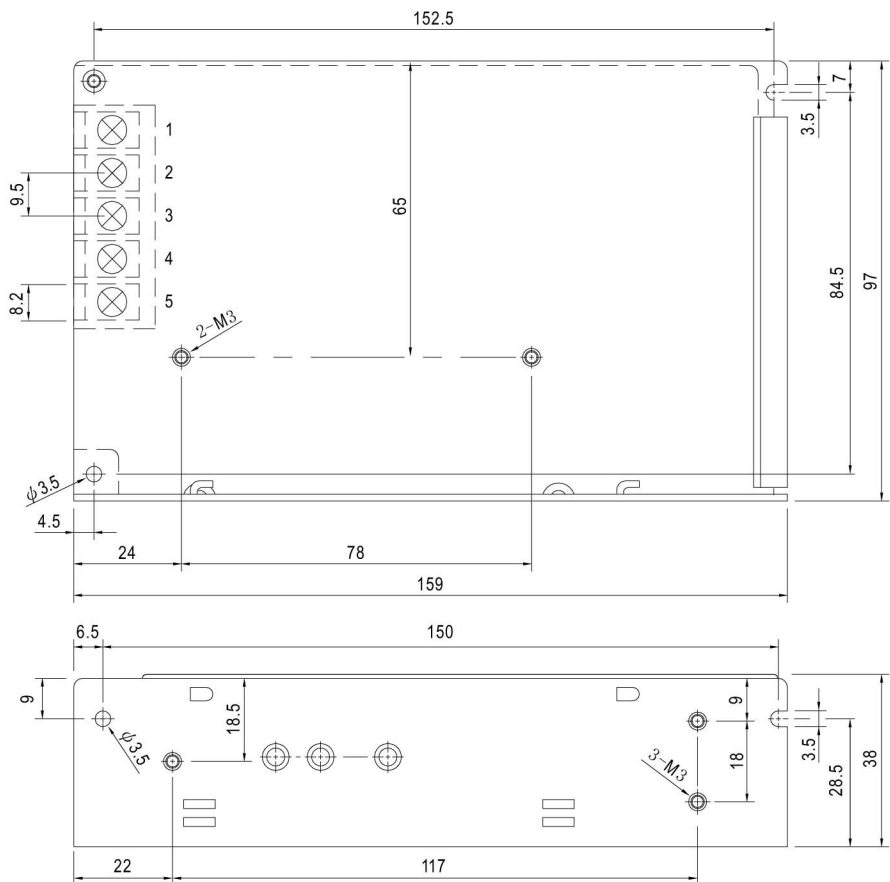
Features :

- AC input voltage 170-264VAC
- Protections: Short circuit/Over load
- Cooling by free air convection
- 100% full load burn.in test
- LED indicator for power on
- 2 years warranty



MODEL		SA5C100W05	SA5C100W12	SA5C100W15	SA5C100W24
OUTPUT	DC VOLTAGE	5V	12V	15V	24V
	RATED CURRENT	20A	8.5A	6.7A	4.5A
	CURRENT RANGE	0 ~ 20A	0 ~ 8.5A	0 ~ 6.7A	0 ~ 4.5A
	RATED POWER	100W	102W	100.5W	108W
	RIPPLE & NOISE (max.) Note.2	50 mVp-p	50 mVp-p	50 mVp-p	50 mVp-p
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%
	SETUP, RISE TIME	200ms, 20ms, /230VAC 200ms, 20ms/115VAC at full load			
HOLD TIME(Typ.)	30ms/230VAC 25ms/115VAC at full load				
INPUT	VOLTAGE RANGE				
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	77%	82%	82%	82%
	AC CURRENT	2A/115VAC 1.2A/230VAC			
	INRUSH CURRENT (max.)	COLD START 30A/115VAC 50A/230VAC			
	LEAKAGE CURRENT	<3.5mA/ 240VAC			
PROTECTION	OVERLOAD	105 ~ 150% rated output power			
		Protection type : Hiccup mode, recovers automatically after fault condition is removed.			
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 & EMC (Note 4)	SAFETY STANDARDS	Compliance to UL60950-1			
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC 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			
	EM C STANDARD	Compliance to EN55022Class B EN61000-6-1			
OTHERS	DIMENSION	159*97*38mm (L*W*H)			
	PACKING	0.463Kg; 30pcs/ 15.56Kg/0.0250CMB			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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.				

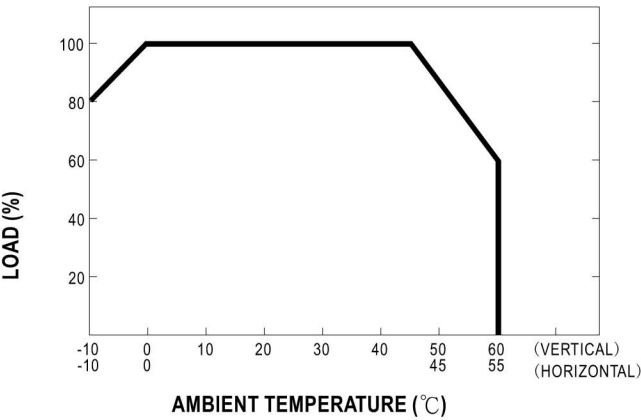
Mechanical Specification



Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG $\perp$		

Output Derating



Static Characteristics (24V)

