

300W Mini Size Type Power Supply

SA5C300W series



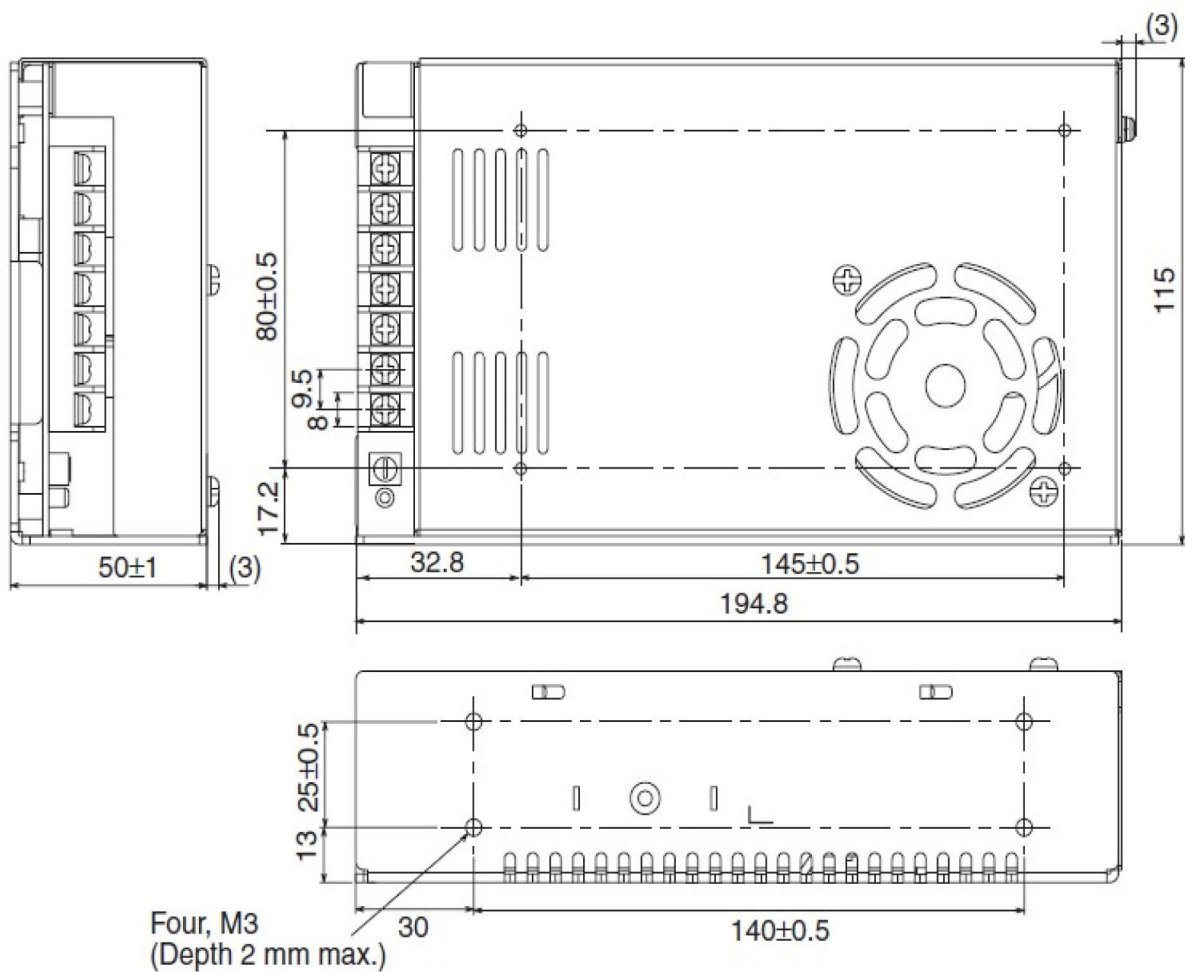
- Features :
- AC input range 180-264VAC
 - Protections: Short circuit/Over load/Over voltage
 - Forced air cooling by built-in DC fan
 - 100% full load burn-in test
 - LED indicator for power on
 - 2 years warranty



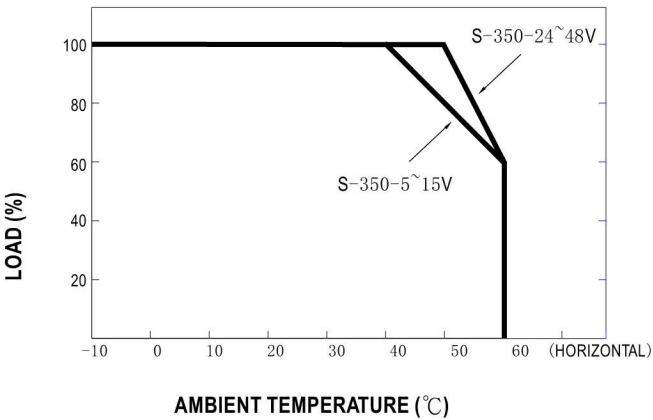
MODEL		SA5C300W12	SA5C300W15	SA5C300W24	SA5C300W48
OUTPUT	DC VOLTAGE	12V	15V	24V	48V
	RATED CURRENT	25A	20A	12.5A	6.25A
	CURRENT RANGE	0 ~ 25A	0 ~ 20 A	0 ~ 12.5A	0 ~ 6.25A
	RATED POWER	300W	300W	300W	300W
	RIPPLE & NOISE (max.)	150mVp-p	150mVp-p	150mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	10 ~ 13.2V	13.5 ~ 18V	20 ~ 26.4V	41 ~ 56V
	VOLTAGE TOLERANCE	±1.0%	±1.0%	±1.0%	±1.0%
	HOLD UUP TIME	20ms/230VAC 16ms/115VAC (at full time)			
	SETUP, RISE, TIME	200ms, 80ms/230VAC			
INPUT	VOLTAGE RANGE	170-264VAC			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	83%	85%	86%	87%
	AC CURRENT	6.5A/115VAC 4A/230VAC			
	INRUSH CURRENT (max.)	25A/115VAC 50A/230VAC			
	LEAKAGE CURRENT	<3.5mA/ 240VAC			
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Shut down O/P voltage , recovers automatically after fault condition is removed.			
	OVER VOLTAGE	Protection type : Constanct voltage limiting, recovers automatically after fault condition is removed.			
ENVIRONMENT	WORKING TEMP.,HUMIDITY	-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	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			
OTHERS	EMC STANDARDS	Compliance to EN55022 Class B,EN61000-6-1			
	DIMENSION	199*110*50mm (L x W x H)			
	PACKING	0.82kg,20pcs /16.8kg			
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.				

Mechanical Specification

Unit : mm



Derating Curve



Static Characteristics (24V)

