

## SWS600 SPECIFICATIONS

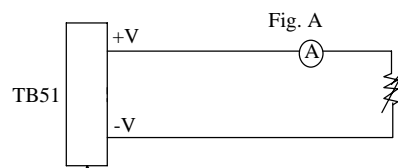
## CA741-01-01C

ITEMS	MODEL	SWS600-3	SWS600-5	SWS600-12	SWS600-15	SWS600-24	SWS600-36	SWS600-48	
		1	Nominal Output Voltage	V	3.3	5	12	15	24
2	Maximum Output Current	A	100	100	50	40	25	16.7	12.5
3	Peak Output Current (*11)	A	120	120	---	---	---	---	---
4	Maximum Output Power	W	330	500	600	600	600	601.2	600
5	Peak Output Power (*11)	W	396	600	---	---	---	---	---
6	Efficiency (Typ) (115/230VAC) (* 1)	%	69 / 71	74/77	78 / 81	80 / 83	81/84	81 / 85	82/85
7	Input Voltage Range (* 2,10)	-	85 ~ 265VAC (47-63Hz) or 120 ~ 370VDC						
8	Input Current (Typ) (115/230VAC) (* 1)	A	4.3 / 2.2	6.6 / 3.3	7.2 / 3.6				
9	Inrush Current (Typ) (* 3)	-	20A at 115VAC, 40A at 230VAC, Ta=25°C						
10	PFHC	-	Built to meet EN61000-3-2						
11	Power Factor (Typ) (115/230VAC) (* 1)	-	0.99/0.95						
12	Output Voltage Range	V	2.97~3.96	4.5~6.0	9.6~13.2	13.2~18.6	20~28.8	28.8~40	40~57.6
13	Ripple and Noise (115/230VAC) (* 1, 4)	mV	100	100	120	120	150	200	240
14	Line Regulation (* 4, 5)	mV	20	20	48	48	48	72	96
15	Load Regulation (* 4, 6)	mV	40	40	96	120	120	180	240
16	Temperature Coefficient	-	Less than 0.02%/°C						
17	Over Current Protection (* 7)	A	126~	126~	52.5~	42~	26.2~	17.6~	13.1~
18	Over Voltage Protection (* 8)	V	4.1~5.3	6.25~7.5	13.8~16.8	19.3~24.2	30.0~34.8	41.4~50.4	60.0~69.6
19	Over Temperature Protection (* 8)	-	Yes						
20	Hold-Up Time (Typ) (115/230VAC) (* 1)	-	20ms						
21	Leakage current (* 9)	-	1.5mA Max, 0.5mA(Typ) at 115VAC / 1mA(Typ) at 230VAC						
22	Remote Sensing	-	Possible						
23	Remote ON/OFF control	-	Possible						
24	Monitoring Signal	-	PF (Open Collector Output)						
25	Parallel Operation	-	Possible						
26	Series Operation	-	Possible						
27	Operating Temperature (* 10)	-	- 10 ~ + 65 °C						
28	Operating Humidity	-	30 ~ 90 %RH (No dewdrop)						
29	Storage Temperature	-	- 30 ~ +85°C						
30	Storage Humidity	-	10 ~ 95%RH (No dewdrop)						
31	Cooling	-	Forced air by blower fan						
32	Withstand Voltage	-	Input - Output : 3.0kVAC (20mA), Input - FG : 2.0kVAC (20mA) Output - FG : 500VAC (100mA), Output - CNT : 100VAC (100mA) for 1min.						
33	Isolation Resistance	-	More than 100MΩ at Ta=25°C and 70%RH, Output - FG : 500VDC						
34	Vibration	-	At no operating, 10 - 55Hz ( sweep for 1min ) 19.6m/s <sup>2</sup> Constant, X, Y, Z 1hour each						
35	Safety	-	Approved by UL60950-1, CSA60950-1, EN60950-1, EN50178						
36	EMI (* 1)	-	Built to meet FCC-Class B, EN55011/EN55022-B						
37	Immunity (* 1)	-	Built to meet EN61000-4-2,-3,-4,-5,-6,-8,-11						
38	Weight (Typ)	g	2000						
39	Dimension	mm	92 x 120 x 190 (Refer to Outline Drawing)						

\* Read instruction manual carefully , before using the power supply unit.

= NOTES=

- \* 1 : At maximum output power, nominal input voltage, Ta = 25°C.
- \* 2 : For cases where conformance to various safety specs ( UL, CSA, EN ) are required, to be described as 100 - 240VAC, 50 / 60Hz on name plate.
- \* 3 : First inrush current, not applicable for the in-rush current to Noise Filter for less than 0.2ms.
- \* 4 : Please refer to Fig A for measurement of line & load regulation, ripple and noise voltage.  
Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF and 47uF capacitor.
- \* 5 : 85 - 265VAC, constant load.
- \* 6 : No load - Full load(Maximum power), constant input voltage.
- \* 7 : Constant current limit with automatic recovery.  
Avoid to operate at overload or dead short for more than 30seconds.
- \* 8 : OVP, OTP circuit will shutdown output, manual reset (Re power on).
- \* 9 : Measured by each measuring method of UL, CSA, EN.
- \* 10: Refer to Output Derating Curve (next page) for details of output derating versus input voltage, ambient temperature and mounting method .
- \* 11: Operating period at peak output current is less than 5sec.(Duty<=0.35).  
(Average output power and current is less than Maximum output power and current)

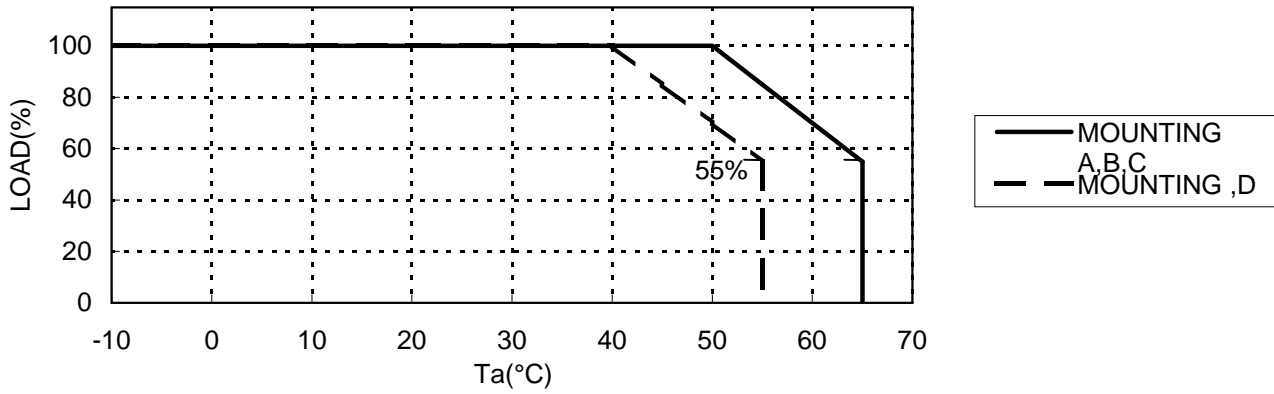


Measurement point for Vo Line/Load Regulation, and ripple and noise.

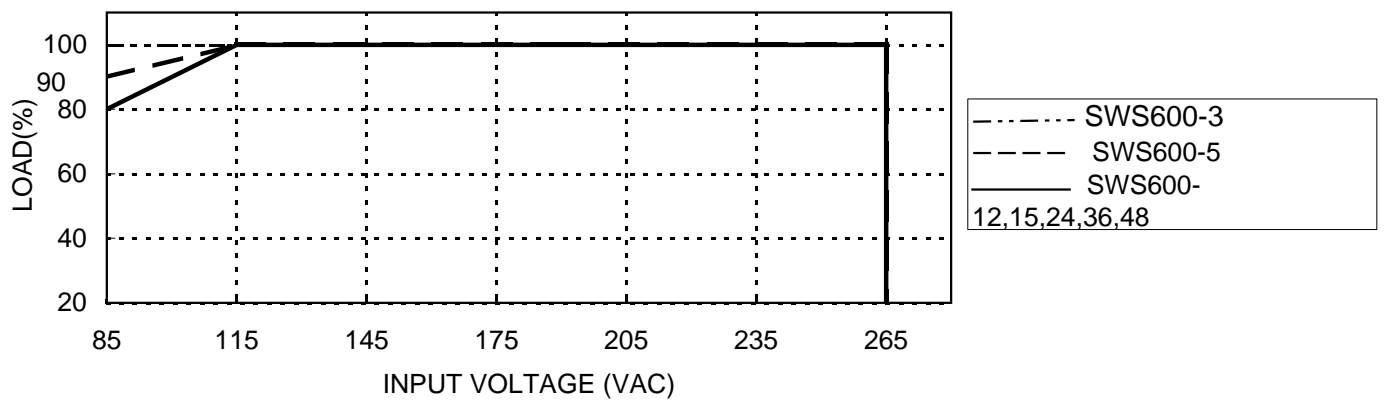
**SWS600 OUTPUT DERATING**

CA741-01-02A

SWS600 OUTPUT DERATING VS AMBIENT TEMPERATURE



SWS600 OUTPUT DERATING VS INPUT VOLTAGE



MOUNTING A

MOUNTING B

MOUNTING C

MOUNTING D

(STANDARD MOUNTING)

