

# SPS-G100

# Single

# 66W~100W

Country of Origin : Taiwan  
 Operating Temperature : -20 ~ 70 °C  
 Dimension : 159 x 95 x 38 mm  
 Approvals / Marks : UL, c-UL, TÜV, CB, CE



### Features:

- Green-mode designing. NO load <1W
- Built in EMI filter, low ripple noise
- Overload, over voltage, short circuit protection
- Non minimum load requirement
- Output voltage  $\pm 10\%$  adjustment
- 100% 50 °C burn-in tested
- 1 year warranty

### Specification:

MODEL		SPS G 100-3.3	SPS G 100-05	SPS G 100-7.5	SPS G 100-12	SPS G 100-15	SPS G 100-24	SPS G 100-30	SPS G 100-48
OUTPUT	Voltage	3.3V	5V	7.5V	12V	15V	24V	30V	48V
	min. Load	0A	0A	0A	0A	0A	0A	0A	0A
	max. Load	20A	16A	12A	8.5A	7A	4.5A	3.6A	2.3A
	Tolerance	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
	Ripple & Noise (max)	50mV	70mV	80mV	120mV	120mV	120mV	200mV	200mV
	Efficiency (typ)	74%	77%	79%	81%	82%	84%	84%	85%
Max. Output Power		66W	80W	90W	102W	105W	108W	108W	110W
Output Voltage adjustment range		$\pm 10\%$ of rated output voltage							
INPUT	Voltage	88 ~ 264VAC / 125 ~ 375VDC Universal full range, single phase							
	Frequency	47 ~ 63 Hz							
	Current	<2.5A max at 100VAC input, full load condition							
	Inrush Current	<35A@115VAC / <70A@230VAC input, Cold start at 25 °C ambient							
	Leakage Current	<1.5mA@264VAC input							
PROTECTION	Overload	Over 105%~ 150% of rating, the power supply will be constant current limiting, recovers automatically after fault condition has been removed.							
	Over Voltage	3.8~4.6V	5.8~7.0V	8.6~10.5V	13.8~17.5V	17.3~21.0V	27.6~33.6V	34.5~42V	55.2~67.2V
	Over Temp.	-							
	Short Circuit	Shutdown, recovers automatically after fault condition has been removed							
OTHERS	Setup time	< 1.2s@115VAC / < 0.6s@230VAC							
	Rise time	< 30ms@230VAC							
	Holdup time	> 100ms@230VAC							
	Cooling	Natural Cooling							
	Green Mode Function	When NO load, the input dissipation is < 1W							
Environment	Temperature	Operating: -20 ~ +70°C ; De-rating: 45 ~ 70°C; 2.5%/°C ; Storage: -40 ~ +85°C							
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)							
M.T.B.F.		300K hours							
SAFETY	Approved:	UL 60950-1, CSA C22.2 No.60950-1, TUV EN 60950-1, IEC 60950-1, EMKO-TSE (74-SEC) 207/94 standard							
EMC	EMI	EN 55022 CLASS B , FCC CFR 47 PART 15 CLASS B, CNS 13438 CLASS B.							
	EMS	EN 55024 : EN 61000-4-2,3,4,5,6,8,11							
WEIGHT		N.W.: ----							