

Country of Origin : Taiwan  
 Operating Temperature : 0 ~ 70° C  
 Dimension : 198 x 95 x 38 mm  
 Approvals / Marks : UL, c-UL, TÜV, CB, CE



### Features:

Universal AC input  
 High efficiency, high reliability  
 Built in EMI filter, low ripple noise  
 Overload, over voltage, short circuit protection  
 100% 50°C burn-in tested  
 1 year warranty

### Specification:

MODEL		SPS100-Q1				SPS100-Q2				SPS100-Q3			
		V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4
OUTPUT	Voltage	+5V	+12V	-5V	-12V	+5V	+15V	-5V	-15V	+5V	+12V	-12V	+24V
	min. Load	0.3A	0.1A	0A	0A	0.3A	0.1A	0A	0A	0.3A	0.1A	0A	0A
	max. Load	12A	5A	1A	1A	12A	5A	1A	1A	12A	5A	1A	2A
	Tolerance	±3%	±5%	±10%	±10%	±3%	±5%	±10%	±10%	±3%	±5%	±10%	±10%
	R & Noise (max)	50mV	120mV	100mV	240mV	50mV	150mV	100mV	300mV	50mV	120mV	240mV	240mV
Efficiency (typ)		72%				73%				73%			
Max. Output Power		100W											
INPUT	Voltage	85 ~ 264VAC / 120 ~ 375VDC Universal full range, single phase											
	Frequency	47 ~ 63 Hz											
	Current	< 3A@100VAC input, full load condition											
	Inrush Current	< 70A@230VAC / < 35A@115VAC input, full load condition. Cold start at 25°C ambient											
	Leakage Current	< 1.5mA@264VAC input											
P.F.C.		-											
PROTECTION	Overload	Over 105% ~ 180% of rating, Shutdown, recovers automatically after fault has been removed											
	Over Voltage	Yes											
	Over Temp.	-											
Short Circuit		Shutdown, recovers automatically after fault has been removed											
OTHERS	Setup time	< 600ms@230VAC/50Hz / < 1.5s@115VAC/60Hz											
	Rise time	< 20ms@230VAC											
	Holdup time	> 60ms@230VAC / > 16.7ms@115VAC											
	Cooling	Free air convection											
Switching Frequency		50KHz (fixed)											
Environment	Temperature	Operating: 0 ~ 70°C / Derating: 45 ~ 70°C : 2.5%/°C / Storage: -10 ~ 75°C											
	Humidity	Operating: 20% ~ 85% RH / Storage: 10% ~ 95% RH (non condensing)											
M.T.B.F.		> 240K hours ( according to MIL-HDBK-217F at 25°C environment)											
SAFETY	Approved:	UL1950 3 <sup>rd</sup> edition / CSA C22.2 No.95095 / TÜV EN60950 / IEC 60950 / EMKO-TSE (74-SEC)207/94											
EMC	EMI	FCC CFR 47 Part 15 Class B / EN 50081-1 / EN50022 / EN61000-3-2,3 / CNS 13438 Class B											
	EMS	EN 50082-1 (1997) / EN61000-4-2,3,4,5,6,8,11											
WEIGHT		N.W.: 0.7 kg											