

Country of Origin : Taiwan  
 Operating Temperature : -10 ~ 70° C  
 Dimension : 198 x 95 x 38 mm  
 Approvals / Marks : UL, c-UL, TÜV, CB, CE

**Features:****Parallel Function (Optional)**

Universal AC input  
 Non minimum load requirement  
 Overload, over voltage, short circuit protection  
 Over temperature protection (Optional)  
 Remote Control ON/OFF (Optional)  
 Built in EMI filter, low ripple noise / 100% 50°C burn-in tested  
 Also available with DIN-Rail fitting {see SPS100DR}  
 1 year warranty

**Specification:**

MODEL		SPS100-3.3	SPS100-05	SPS100-12	SPS100-15	SPS100-24	SPS100-24Q	SPS100-48
OUTPUT	Voltage	3.3V	5V	12V	15V	24V	28V	48V
	min. Load	0A	0A	0A	0A	0A	0A	0A
	max. Load	25A	20A	9.8A	7.84A	4.9A	3.6A	2.1A
	Tolerance	±3%	±2%	±1%	±1%	±1%	±1%	±1%
	Ripple & Noise	50mV	50mV	120mV	150mV	240mV	280mV	300mV
	Efficiency (typ)	66%	74%	78%	78%	80%	80%	82%
Max. Output Power		82.5W	100W	117W	117W	117W	100W	100W
Output Voltage adjustment range		±10% of rated output voltage						
INPUT	Voltage	88 ~ 264VAC / 120 ~ 375VDC Universal full range, single phase						
	Frequency	47 ~ 63 Hz						
	Current	3A max @ 100VAC input, full load condition						
	Inrush Current	< 70A@230VAC / < 35A@115V AC input, full load condition. Cold start at 25°C ambient						
	Leakage Current	< 1.5mA@264VAC input						
	P.F.C.	- {for model with PFC see SPS100P}						
PROTECTION	Overload	> 105% ~ 180% of rating, Shutdown, auto recovery after fault has been removed						
	Over Voltage	3.8 ~ 4.6V	5.8 ~ 7.0V	13.8 ~ 17.5V	17.3 ~ 21V	27.6 ~ 33.6V	32.2 ~ 39.2V	55.2 ~ 67.2V
	Over Temp.	Optional						
	Short Circuit	Shutdown, auto recovery after fault has been removed						
OTHERS	Setup time	< 1s@230VAC / < 3s@115VAC						
	Rise time	< 20ms@230VAC						
	Holdup time	> 80mS@230VAC / > 16.7mS@115VAC						
	Remote On/Off	Optional						
	Parallel Function	Optional						
	Cooling	Natural Cooling (free air convection)						
	Withstand Voltage	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC / 1 minute						
DIN-Rail fitting	Optional (with fitting for DIN-Rail) { see SPS100DR }							
Switching Frequency		50KHz (fixed)						
Environment	Temperature	Operating: -10 ~ 70°C / Derating: 50°C ~ 70°C: 2.5%/°C / Storage: -10 ~ 75°C						
	Humidity	Operating: 20% ~ 85% RH / Storage: 10% ~ 95% RH (non condensing)						
M.T.B.F.		> 277K hours ( according to MIL-HDBK-217F at 25°C environment)						
SAFETY	Approved:	UL 1950 3 <sup>rd</sup> / CSA C22.2 No.950-95 3 <sup>rd</sup> / TÜV EN60950 / IEC 60950 / EMKO-TSE (74-SEC)207/94						
EMC	EMI	FCC CFR 47 Part 15 Class B / EN 50081-1 / CNS 13438 Class B						
	EMS	EN 50082-1 (1997) / EN61000-4-2,3,4,5,6,8,11						
WEIGHT		N.W.: 0.7 kg						

