

SPS 100

Single

76~100W

Country of Origin : Taiwan
 Operating Temperature : -20 ~ 70 °C
 Dimension : 198 x 95 x 38 mm

Approvals / Marks :



Features:

Universal 88 ~ 264VAC input
 Power ON with LED indicator
 Non minimum load requirement
 Overload, over voltage, short circuit protection
 Built in EMI filter, low ripple noise
 100% full load burn-in tested
 Also available with DIN-Rail fitting
 1 year warranty

Specification:

MODEL		SPS100-3.3 SPS100P-3.3	SPS100-05 SPS100P-05	SPS100-12 SPS100P-12	SPS100-15 SPS100P-15	SPS100-24 SPS100P-24	SPS100-30 SPS100P-30	SPS100-48 SPS100P-48
OUTPUT	Voltage	3.3V	5V	12V	15V	24V	30V	48V
	min. Load	0A	0A	0A	0A	0A	0A	0A
	max. Load	23A	20A	8.5A	7A	4.3A	3.5A	2.3A
	Tolerance	±3%	±2%	±1%	±1%	±1%	±1%	±1%
	Ripple & Noise	50mV	50mV	120mV	150mV	240mV	240mV	250mV
	Efficiency (typ)	74%	78%	83%	84%	84%	85%	86%
Max. Output Power		76W	100W	102W	105W	103W	105W	110W
Output Voltage adjustment range		±10% of rated output voltage						
INPUT	Voltage	88 ~ 264VAC / 125 ~ 375VDC Universal full range, single phase						
	Frequency	47 ~ 63 Hz						
	Current	2.8A max @ 100VAC input, full load condition						
	Inrush Current	< 70A@230VAC / < 35A@115VAC input, full load condition. Cold start at 25°C ambient						
	Leakage Current	< 1.0mA@264VAC input						
	P.F.C.	- {only for model SPS100P}						
PROTECTION	Overload	> 105% ~ 150% hiccup mode and recover automatically after the fault is removed						
	Over Voltage	3.8 ~ 4.6V 5.8 ~ 7.0V 13.8 ~ 16.8V 17.3 ~ 21.0V 27.6 ~ 33.6V 34.5 ~ 42.0V 55.2 ~ 67.2V Shut down and latch off, recover after re-start up						
	Short Circuit	Shutdown, auto recovery after fault has been removed						
OTHERS	Setup time	< 1Sec@100 ~ 240VAC						
	Rise time	< 20msS						
	Holdup time	> 60mS@230VAC full load condition						
	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)						
Environment	Temperature	Operating: -20 ~ 70°C / Derating: 45°C ~ 70°C : 2.5%/°C / Storage: -40 ~ 85°C						
	Humidity	Operating: 20% ~ 90% RH / Storage: 10% ~ 95% RH (non condensing)						
M.T.B.F.		> 271K hours						
SAFETY	Approved:	UL 60950- 2 nd / CSA C22.2 No.60950-1-07 2 nd / TÜV EN60950-1 : 2006 / IEC 60950-1 : 2005						
EMC	EMI	EN 55022 CLASS B, FCC CFR 47 Part 15 Class B / CNS 13438 Class B						
	EMS	EN 55024 / EN61000-4-2,3,4,5,6,8,11						
WEIGHT		N.W.: 0.72 kg						