

SP 100

Single

100W

PFC

Country of Origin : Taiwan
 Operating Temperature : -10 ~ 60° C
 Dimension : 179 x 99 x 45 mm
 Approvals / Marks : UL, c-UL, TÜV, CB, CE

**Features:**

Universal AC input / full range with Power Factor Correction
 Remote ON/OFF control (option)
 Over load, over voltage & short circuit protection
 Cooling by free air convection
 100% full load burn-in test
 1 year warranty

Specification:

MODEL		SP100-3.3	SP100-5	SP100-7.5	SP100-12	SP100-13.5	SP100-15	SP100-24	SP100-27	SP100-48
OUTPUT	Voltage	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V
	min. Load	0A	0A	0A	0A	0A	0A	0A	0A	0A
	max. Load	20A	20A	13.5A	8.5A	7.5A	6.7A	4.2A	3.8A	2.1A
	Tolerance	±2%	±2%	±2%	±2%	±2%	±2%	±1%	±1%	±1%
	Ripple & Noise (max)	100mV	100mV	100mV	100mV	100mV	100mV	150mV	150mV	250mV
	Efficiency (typ)	70%	76%	78%	80%	80%	82%	84%	83%	82%
Max. Output Power		66W	100W	101W	102W	101W	100W	100W	102W	100W
Output Voltage adjustment range		-5% , +10% of rated output voltage								
INPUT	Voltage	85V ~ 264VAC / 120V ~ 370VDC Universal full range								
	Frequency	47 ~ 63 Hz								
	Current	1.3A@115VAC / 0.75A@230VAC (3.3V: 1A@115VAC / 0.6A@230VAC)								
	Inrush Current	<40A@230VAC , Cold start								
	Leakage Current	<2mA@240VAC								
	P.F.C.	>0.98@115VAC / >0.93@230VAC								
PROTECTION	Over Load	105% ~ 150% constant current limiting, auto recovery								
	Over Voltage	110% ~ 135% of rated output voltage, Shutdown / Reset : power on								
	Over Temp.	-								
	Short Circuit	Yes								
OTHERS	Setup time	600ms @ 230VAC								
	Rise time	30ms @ 230VAC								
	Holdup time	20ms @ 230VAC								
	Cooling	Free air convection								
	Withstand Voltage	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC / 1 minute								
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG : 500VDC / 100M Ohm								
Switching Frequency		134KHz (fixed)								
Environment	Temperature	Operating: -10 ~ 60°C / Derating: -10 ~ 0°C: 2%/°C , 50 ~ 60°C: 4%/°C / Storage: -20 ~ 85°C								
	Humidity	Operating: 20 ~ 90% RH / Storage: 10 ~ 95% RH								
Connection		7P/ 9.5mm pitch terminal block with cover								
M.T.F.B.		> 211K hours (according to MIL-HDBK-217F at 25°C environment)								
SAFETY		Approved: UL 1950 / TÜV EN60950								
EMC	EMI	EN55022 CLASS B / EN61000-3-2,3								
	EMS	EN61000-4-2,3,4,5,6,8,11 / ENV50204 / ENV55024								
WEIGHT		N.W.: 0.6 kg/pc								