

SP 500

Single

500W



Country of Origin : Taiwan
 Operating Temperature : -10 ~ 50° C
 Dimension : 170 x 120 x 93 mm
 Approvals / Marks : UL, c-UL, TÜV, CB, CE

**Features:**

- Universal AC input / full range with Power Factor Correction
- Forced air cooling by built-in DC fan
- Cooling fan ON/OFF auto control
- Built-in remote ON/OFF control
- Over load, over voltage, over temperature & short circuit protection
- 1 year warranty

Specification:

MODEL		SP-500-12	SP-500-13.5	SP-500-15	SP-500-24	SP-500-27	SP-500-48
OUTPUT	Voltage	12V	13.5V	15V	24V	27V	48V
	min. Load	0A	0A	0A	0A	0A	0A
	max. Load	40A	36A	32A	20A	18A	10A
	Tolerance	±1%	±1%	±1%	±1%	±1%	±1%
	Ripple & Noise (max)	240mV	240mV	240mV	240mV	240mV	300mV
	Efficiency (typ)	84%	84%	83%	85%	86%	87%
Max. Output Power		480W	486W	480W	480W	486W	480W
Output Voltage adjustment range		-5% ~ +10% of rated output voltage					
INPUT	Voltage	88 ~ 264VAC / 124 ~ 370VDC Universal full range					
	Frequency	47 ~ 63 Hz					
	Current	7A@115VAC / 3.52A@230VAC					
	Inrush Current	18A@115VAC, 36A@230VAC , Cold start					
	Leakage Current	<3.5mA@240VAC					
	P.F.C.	>0.98@115VAC / >0.95@230VAC					
PROTECTION	Over Load	105% ~ 135% constant current limiting, auto recovery					
	Over Voltage	115% ~ 140% of rated output voltage, Hiccup mode, auto recovery after fault has been removed					
	Over Temp.	> 70°C Shutdown					
	Short Circuit	Yes					
OTHERS	Setup time	1500ms @ 230VAC, full load					
	Rise time	50ms @ 230VAC, full load					
	Holdup time	20ms @ 230VAC, full load					
	Remote Control	RC+ / RC- : short = power on / open = power off					
	Cooling	Forced air cooling by built-in DC fan / = 45°C fan off , = 50°C fan on					
	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		110KHz (fixed)					
Environment	Temperature	Operating: -10 ~ 50°C / Derating: -10 ~ 0°C: 2%/°C , 40 ~ 50°C: 4%/°C / Storage: -20 ~ 85°C					
	Humidity	Operating: 20 ~ 90% RH / Storage: 10 ~ 95% RH					
Connection		15P/ 9.5mm pitch terminal block with cover					
M.T.F.B.		> 133K hours (according to MIL-HDBK-217F at 25°C environment)					
SAFETY		Approved: UL 1950 / TÜV EN 60950					
EMC	EMI	EN55022 CLASS B / EN61000-3-2,3					
	EMS	EN61000-4-2,3,4,5,6,8,11 / ENV50204					
WEIGHT		N.W.: 1.9 kg					