

# SPS-110 Series

## 110W, Single Output



198 x 95 x 38 mm  
7.8 x 3.74 x 1.50 inch

### Features:

- \* 85V ~ 132 V or 170V ~ 264V Selected by switch
- \* Built in EMI filter, low ripple noise
- \* Over load, over voltage, short circuit protection
- \* Output voltage  $\pm 10\%$  adjustment
- \* Non min load requirement
- \* 100% 50°C burn-in test
- \* UL, cUL, TUV, ,CB, CE standard
- \* 1 years warranty

### Specification:

MODEL	SPS-110-3.3	SPS-110-05	SPS-110-7.5	SPS-110-10	SPS-110-12	SPS-110-15	SPS-110-18	SPS-110-24	SPS-110-28	SPS-110-48	
OUTPUT	Voltage	3.3V	5V	7.5V	10V	12V	15V	18V	24V	28V	48V
	Min. Load	0A									
	Max. Load	25A	22A	14.7A	11A	9.2A	7.5A	6.2A	4.6A	4.0A	2.3A
	Regulation	$\pm 3\%$	$\pm 2\%$		$\pm 1\%$						
	Ripple Noise(max)	50mV	50mV	100mV	100mV	120mV	150mV	180mV	240mV	280mV	480mV
Efficiency (typ)	70%	75%	75%	76%	78%	79%	79%	80%	80%	81%	
INPUT	Voltage	85V ~ 132 V or 170V ~ 264V Selected by switch									
	Frequency	47 ----- 63 Hz									
	Current	2.2A max at 115V AC input, 1.4A max at 230V AC input, full load condition									
	Inrush Current	<25A@115V / <50A@230V AC input, full load condition. Cold start at 25°C ambient									
	Leakage Current	<1.5mA@264V AC input									
PROTECTION	OverLoadProdtection	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.									
	OverVoltageProdtection	3.8V-4.6V	5.8V-7.0V	8.6V-10.5V	11.5-14.0V	13.8V-17.5V	17.3V-21.0V	20.7V-25.2V	27.6V-33.6V	32.2V-39.2V	55.2V-67.2V
	ShortCircuitProdtection	Shutdown, recovers automatically after fault condition has been removed.									
OTHERS	Setup time	<800mS @ 115V, <300mS @230V									
	Rise time	<20mS									
	Hold up time	>20mS@230V									
	Cooling	Natural Cooling									
Environment	Temperature	Operating: 0~70°C; derating: 45°C ~70°C : 2.0%/°C. Storage: -10~+75°C									
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)									
M.T.B.F.	270K hours										
SAFETY	Meet UL 1950, CSA C22.2 No.950-95, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94										
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.									
	EMS	EN 50082-1 (1997)									
PACKING	N.W.: 0.7Kg / 1pc; 24pcs / 1.22 Cu ft <sup>3</sup> / 1 CTN										

**Dimension:**

