

**Features :**

- . Universal Ac input / Full range
- . PFC >0.95 at 230 VAC
- . Short circuit, over voltage, over load, over temp. protected
- . Remote sense and on/off control
- . Forced air cooling by built-in DC fan
- . Cooling fan on/off auto-control
- . Approvals : UL / CUL / TUV / CB / CE
- . 100% full load burn-in test

3 years warranty



Model	PSP300-12	PSP300-13.5	PSP300-24	PSP300-27	PSP300-48
DC output voltage	12V	13.5V	24V	27V	48V
Output voltage tolerance	±1%	±1%	±1%	±1%	±1%
Output rated current	25A	22A	12.5A	11A	6.5A
Output current range	0~25A	0~22A	0~12.5A	0~11A	0~6.5A
Ripple & noise	200mVp-p	200mVp-p	200mVp-p	200mVp-p	240mVp-p
Line regulation	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%
Load regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
DC output power	300W	297W	300W	297W	312W
Efficiency	82%	82%	84%	84%	86%
DC voltage adjustment	10~13.5V	12~15V	20~26.4V	24~30V	41~56V
Input voltage range	88~264VAC / ; 47~63Hz ; 124~370 VDC				
AC current	4.5A / 115 V ; 2.3A / 230 V				
Power factor	0.95/100~230 VAC				
Inrush current	18A/115V ; 36A/230VAC				
Leakage current	<3.5mA/240VAC				
Over-load protection	105~135% Type : Constant current limiting Reset : auto-recovery				
Over-voltage protection	13.8~16.2	15.5~18.2	27.6~32.4	31~36.5	57.6~67.2
Over temperature protection (fan)	RTH1 or RTH2 >=50°C : fan on ; <=45°C : fan off ; >=70°C output shutdown				
Temperature coefficient	±0.03% /°C (0~50°C)				
Set-up, Rise, Hold-up time	1.5s, 50ms, 20ms				
Vibration	10~500Hz, 2G 10min./1cycle, period for 60min. Each axes				
Withstand voltage	I/P-O/P: 3KVACVAC I/P-FG: 1.5 KVAC ; O/P-FG : 0.5 KVAC				
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG : 500 VDC /100MΩ				
Working temp. & humidity	-10°C~+50°C (refer to output derating curve) 20~90% R.H.				
Storage temp. & humidity	-20°C~+85°C, 10%~95% R.H. ( non-condensing )				
Dimensions	170 x 120 x 93 mm ( Length x Width x Height ) case 910				
Weight	1.6 Kg				
Safety standards	UL1950, TUV EN60950 approved				
EMC standards	CISPR22 (EN55022), IEC1000-4-2,3,4,5,6,8,11, IEC1000-3-2 verification				
Notes:	-All parameters are specified at 230VAC input, rated load, 25°C & 70% R.H. ambient. - Tolerance include setup tolerance, line regulation, load regulation. - Ripple & Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1yF & 47uF capacitor. - Line regulation is measured from low line to high line at rated load. - Load regulation is measured from 0% to 100% rated load - Refer to output derating curve vs input voltage				

