



500 W Parallel Switching power supply

500 W
MW PSP 500 series



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	PSP500 5	PSP500 12	PSP500 13.5	PSP500 15	PSP500 24	PSP500 27	PSP500 48
DC output voltage	5V	12V	13.5V	15V	24V	27V	48V
Output voltage tolerance	±2%	±1%	±1%	±1%	±1%	±1%	±1%
Output rated current	80A	41.5A	37A	33A	20.8A	18.5A	10.5A
Output current range	0~217.5A	0~41.5A	0~37A	0~33A	0~20.8	0~18.5A	0~10.5A
Ripple & noise	100mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p
Line regulation	±0.5%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%
Load regulation	±2%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
DC output power	400W	498W	499.5W	495W	499.2W	499.5W	504W
Efficiency	76%	82%	82%	82%	84%	84%	86%
DC voltage adjustment	4.75~5.5	10~13.2	12~15	13.5~18	20~26.4	24~30	41~56
Input voltage range	90~264VAC / ; 47~63Hz ; 127~370 VDC						
AC current	7A / 115 VAC ; 3.5A / 230 VAC						
Power factor	0.98/100 VAC ; 0.95/230 VAC						
Inrush current	20A /115V ; 40A/230V						
Leakage current	<1mA/240VAC						
Over-load protection	110~125% Type : Constant current limiting Reset : auto-recovery						
Over-voltage protection	5.75~6.75	13.8~16.2	15.5~18.2	18~21	27.6~32.4	31~36.5	57.6~67.2
Over temperature protection	RTH2 >=95°C output shutdown						
Remote control	RC+/RC- : 0~0.8V= power on ; 4~10V= power off sink current 4~10mA						
Temperature coefficient	±0.03% /°C (0~50°C)						
Set-up, Rise, Hold-up time	1.5s, 50ms, 15ms						
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~+60°C (refer to output derating curve) 20~90% R.H.						
Storage temp. & humidity	-20°C~+85°C, 10%~95% R.H. (non-condensing)						
Dimensions	278 x 127 x 63.5 mm (Length x Width x Height)						
Weight	2.5 Kg						
Safety standards	UL1950, TUV EN60950 approved						
EMC standards	CISPR22(EN55022)Class B, EN61000-4-2,3,4,5,6,8,11 ; ENV50204 ; EN61000-3-2						
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 - Peak output power lasting <30 seconds with a max. 10% duty cycle						

