



150 W

150W Single output Switching power supply with PFC **MW SP 150** series



Features :

- . International AC input range
- . PFC >0.96 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	SP150 3.3	SP150 5	SP150 7.5	SP150 12	SP150 13.5	SP150 15	SP150 24	SP150 27	SP150 48
DC output voltage	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V
Output voltage tolerance	+2%	+2%	+2%	+2%	+2%	+2%	+1%	+1%	+1%
Output rated current	30A	30A	20A	12.5A	11.2A	10A	6.3A	5.6A	3.2A
Output current range	0~30	0~30	0~20	0~12.5	0~11.2	0~10	0~6.3	0~5.6	0~3.2
Ripple & noise	100mV	100mV	100mV	100mV	100mV	100mV	150mV	150mV	250mV
Line regulation	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%
Load regulation	+1%	+1%	+1%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%
DC output power	99W	150W	150W	150W	151.2W	150W	150W	151.2W	153.6W
Efficiency	67%	75%	79%	80%	80%	81%	83%	84%	84%
DC voltage adjustment	10-5%								
Input voltage range	85~264VAC / ; 47~63Hz ; 120~370 VDC								
AC current	2.2A / 115 V ; 1.1A / 230 V (3.3V : 1.5A:115V 0.8A/230V)								
Power factor	0.95/100~230 VAC								
Inrush current	Cold start 40A/230VAC								
Leakage current	<2mA/240VAC								
Over-load protection	105~150% Type : Constant current limiting Reset : auto-recovery								
Over-voltage protection	110~135% Type : shutdown Reset :re-power on								
Over temperature protection	95°C +5°C (TSW1) Type : shutdown Reset : auto-recovery								
Temperature coefficient	±0.05% /°C (0°~50°C)								
Set-up, Rise, Hold-up time	600ms, 30ms, 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~+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	199 x 99x 50 mm (Length x Width x Height) case 916A								
Weight	750 gr								
Safety standards	UL1950, TUV EN60950 approved								
EMC standards	CISPR22 (EN55022) ClassB, EN61000-4-2,3,4,5,6,8,11 ; ENV61000-3-2,-3 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. - Refer to output derating curve vs input voltage								

