

# MS-500 Single Output Power Series Parameters

## Electrical Specifications

Model		MS-500-85	MS-500-90	MS-500-100	MS-500-110	MS-500-150
<b>OUTPUT</b>	DC voltage	85V	90V	100V	110V	150V
	Current Rating	5.8A	5.5A	5A	4.5A	3.3A
	Current Range	0 ~5.8A	0 ~5.5A	0 ~5A	0 ~5.5A	0 ~3.3A
	rated power	500W	500W	500W	500W	500W
	Ripple and Noise	400mVp-p	400mVp-p	400mVp-p	400mVp-p	400mVp-p
	Voltage adjustment range	VADJ: 0-110%	VADJ: 0-110%	VADJ: 0-110%	VADJ: 0-110%	VADJ: 0-105%
	Voltage Accuracy	± 1.0%	± 1.0%	± 1.0%	± 1.0%	± 1.0%
	Line Regulation	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
	Load Regulation	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
	Start, the rise time	1000ms, 80ms ( Full )				
	Hold Time (Typ.)	10ms ( Full )				
<b>INPUT</b>	Voltage Range	110/220VAC				
	Frequency Range	47 ~ 63Hz				
	Power Factor (Typ.)	0.75/230V ( Full )				
	Efficiency (Typ.)	89%	89%	89%	89%	89%
	Alternating current (Typ.)	4A/180VAC 3A/220VAC				
	Inrush current (Typ.)	Soft Start 3A230VAC				
	Leakage current	<3.5mA / 240VAC				
<b>protection</b>	Overload	Rated output 100 ~ 105%				
	Overvoltage	Close Protection Type Output Output voltage after the restart recovery				
	Over temperature	80°C ± 5°C Detection on power transistor radiators			105°C ± 5°C Detection on power transistor radiators	
		Output voltage temperature shutdown protection type automatic recovery after fall				
<b>Features</b>	Remote Switch	NO				
	Auxiliary power	NO				
	Output voltage adjustable	Adjustable resistor 502 supports output voltage: 0~100% adjustable				
	Output current adjustable	Adjustable resistor 502 supports output current: 10%~100% adjustable				
	Parallel Current	NO				
<b>surroundings</b>	Operating temperature	-20 ~ 70°C				
	Working humidity	20 ~ 90%RH Non-condensing				
	Temperature Coefficient	± 0.05%/°C ( 0~50°C )				
	Vibration resistance	10 ~ 500Hz, 2G 10 Ten minutes / cycle, X, Y, Z axes of 60 minutes				
<b>Safety and EMC</b>	Safety specifications	UL60950-1				
	Pressure	I/P-O/P:3KVAC/I/P-FG:1.5KVAC O/P-FG:0.5KVAC				
	Insulation resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH				
	size	215*115*50(L*W*H)				

备注

1. 如未特别说明, 所有规格参数均在输入为230VAC, 额定负载, 25℃环境温度下进行测量。
2. 纹波和噪声测量方法: 使用一条12"双绞线, 同时终端要并联0.1 $\mu$ f和47 $\mu$ f的电容, 在20MHZ带宽下进行测量。
3. 精度: 包含设定误差, 线性调整率和负载调整率。

Organization size

机壳型号 1520B 单位 mm

