

# MS-500 Single Output Power Series Parameters

## Electrical Specifications

Model		MS-500-12	MS-500-15	MS-500-24	MS-500-27	MS-500-30
OUTPUT	DC voltage	12V	15V	24V	27V	30V
	Current Rating	40A	33A	20A	18.5A	16.5A
	Current Range	0 ~40A	0 ~33A	0 ~20A	0 ~18.5A	0 ~16.5A
	rated power	500W	500W	500W	500W	500W
	Ripple and Noise	300mVp-p	300mVp-p	340mVp-p	340mVp-p	340mVp-p
	Voltage adjustment range	VADJ: 0-110%	VADJ: 0-110%	VADJ: 0-110%	VADJ: 0-110%	VADJ: 0-110%
	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 )				
INPUT	Voltage Range	110/220VAC				
	Frequency Range	47 ~ 63Hz				
	Power Factor (Typ.)	0.75/230V ( Full )				
	Efficiency (Typ.)	86%	86%	87%	87%	87%
	Alternating current (Typ.)	4A/186VAC 3A/220VAC				
	Inrush current (Typ.)	Soft Start 3A230VAC				
	Leakage current	<3.5mA / 240VAC				
protection	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				
Features	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				
surroundings	Operating temperature	-20 ~ 65°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				
Safety and EMC	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

