



#### ■ Features

##### Features:

- Universal AC input voltage
- Small volume, low weight, high efficiency
- Protections: short circuit/over load
- cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- 2 Years warranty

#### ■ Specification

Model		MS-60-12	MS-60-15	MS-60-24
output	DC voltage	12V	15V	24V
	Voltage tolerance	±1%	±1%	±1%
	Rated current	5A	4A	2.5A
	Current range	0~5A	0~4A	0~2.5A
	Rated power	60W	60W	60W
	Ripple&noise	100mvp-p	120mvp-p	120mvp-p
	DC voltage ADJ. range	±10%	±10%	±10%
input	Voltage range	90~132VAC/170~264VAC(selected by switch), 235~373VDC		
	frequency	47~63HZ		
	AC current	1.6A/115VAC, 0.8A/230VAC		
	efficiency	82%	82%	84%
	Inrush current	Cold start current 18A/115VAC, 36A/230VAC		
	Leakage current	< 1mA/240VAC		
protection	overload	Rated output power 115%~135% start over load protection protection type: hiccup mode, auto-recovery after fault condition is removed		
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environment	Working temp, humidity	-10°C~+60°C, 20%~90%RH		
	Storage temp, humidity	-20°C~+85°C, 10%~95%RH non-condensing		
	Withstand	10~500HZ, 2G10min/1cycle, period for 60 minutes, each		

	vibration	axes
safety	Withstand voltage	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:100Mohms/500VDC
Fit standard	Safety standard	Compliance toUL1012
	EMC standard	Compliance to EN55022, CLASSA
others	Dimension	111*78*31mm (L*W*H)
	Weight/packing	0.27kg/50pcs/14.5kg/0.027 m <sup>3</sup> /0.96CUFT
note	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and25° Cof ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p>	

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