



CB

### Key features

- Universal input: 85-264Vac
- Small volume, high efficiency 90%
- Internal EMI filter
- No load Consumption 0.3W
- Isolation voltage:4KV
- Over temperature and over load protection
- Medical certification EN60601
- Safety :Class II
- 3 Years product warranty

CE

RoHS

## Electrical specifications

Model	Output voltage( V )	Output current( A )	Efficiency ( % )	Ripple (mV)
MF60-S12	12.2	5	90	< 100
MF60-S15	15	4	90	< 100
MF60-S18	18	3.5	90	< 100
MF60-S24	24	2.5	90	< 100
MF60-S36	36	1.7	90	< 100

## General specification

Output	Output mode	single
	Output power	0-60W,100W max
	Output accuracy	±1.0% @100%load
	Line regulation	±1.0% @100%load
	Load regulation	±1.0% @10-100%load
	Setup rise time	3ms/230VAC @100%load
	Hold-up time	16ms/230VAC @100% load
Input	Input voltage	90 ~ 265VAC
	Nominal input voltage	100--240VAC
	Input frequency	47 ~ 63Hz, 440Hzmax
	Input current	1.6A MAX/100VAC 0.8A MAX/ 240VAC
	Inrush current	COLD START 30A/115VAC 55 A/230 VAC at full load



	Leakage current	< 0.1mA at 265VAC/60Hz
Protection	Over temperature protection	Recovers automatically after fault condition is removed
	Over current protection	120%--150% load,120%--150% load, Recovers automatically after fault condition is removed
	Over voltage protection	Lock, power failure restart
	Over voltage protection	Recovers automatically after fault condition is removed
	Short circuit protection	Recovers automatically after fault condition is removed
Work environment	Operating temperature	-40 ~ +70 °C According to the output load derating
	Storage temperature	-40 ~ +105,
	Humidity	10 ~ 85% RH
	Temperature coefficient	0.03%/ (0~ 50°C )
	Vibration coefficient	10~500Hz,2G10min./1cycle, 60min.each along X,Y,Z axes
	Cooling method	air-cooled
Safety and EMC (Note 3)	Safety standards	IEC60601,EN60601,UL60601
	Safety class	CLASS II
	Safety certification	CB
	I/O-isolation voltage	I/P-O/P:4KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:> 100M Ohms/500VDC 25°C 70% RH
	EMI/RFI conducted	EN55011, EN55022 (CISPR22) class B
	ESD	IEC/EN 61000-4-2 level 4 8kV/15kV
	RF	IEC/EN 61000-4-3 level 4 lev3
	EFT	IEC/EN 61000-4-4 level 4 4kV
	Surge	IEC/EN 61000-4-5 level 4 2kV
Others	MTBF	165K hrs min. MIL-HDBK-217F(25)
	Dimension	76.2*50.8*27mm (L*W*H)
	Weight and package	100g/pcs According quantity to pack
Notes	1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature	
	2.Ripple & noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor	
	3.The power supply is considered a component which will be installed into a final equipment.The final equipment must be re-confirmed that it still meets EMC directives.	

Dimension

Unit: mm