Features：

· Universal AC input range

· 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

Dimension：84×58×30mm

SPECIFICATION

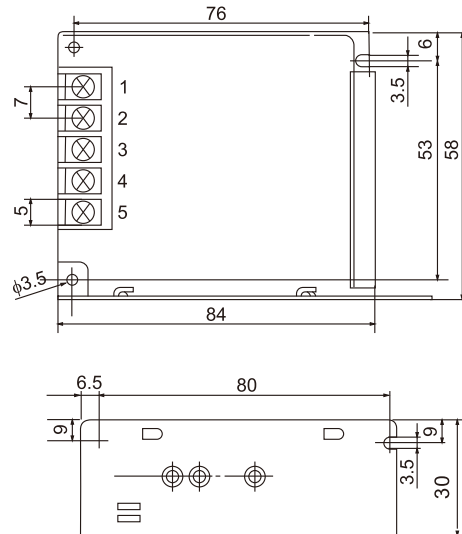|	Model	MS-15-5	MS-15-12	MS-15-24
Output	DC voltage	5V	12V	24V
	Voltage tolerance	±1%	±1%	±1%
	Rated current	3A	1.3A	0.7A
	Current range	0~3A	0~1.3A	0~0.7A
	Rated power	15W	15.6W	16.8W
	Ripple&noise	80mVp-p	120mVp-p	150mVp-p
	DC voltage ADJ. range	−9%~+10%	±10%	±10%
	Setup，rise，hold up time	200ms,50ms,20ms/230VAC		
Input	Voltage range	90~264VAC 47~63Hz，135~373VDC		
	AC current	0.45A/115VAC　0.25A/230VAC		
	Efficiency	78%	81%	83%
	Inrush current	Cold start30A/230VAC		
	leakage current	＜0.5mA/240VAC		
Protection	Overload	Rated output power115%~150%Start overload protection		
		Protection type：part layer type current limit，auto-recovery after fault condition is removed		
Environment	Working temp，humidity	−25℃~+50℃;20%~90%RH(Please refer to "derating curve")		
	Storage temp，humidity	−40℃~+85℃;10%~95%RH Non-condensing		
	Withstand vibration	10~500Hz，2G 10min./1Cycle，Period for 60min，Each 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：100M Ohms/500VDC		
Fit standard	Safety standard	Compliance to UL 62368-1,TUV 62368-1,EN 62368-1		
	EMC Standard	Compliance to EN 55032，CLASSA		
Others	Dimension	84*58*30 mm（L*W*H）		
	Weight	0.15kg/80pcs/13kg/0.87CUFT		
	MTBF	550K hrs min. MIL-HDBK-217F(25℃)		

Note: 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 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

3. Tolerance : includes set up tolerance, line regulation and load regulation.
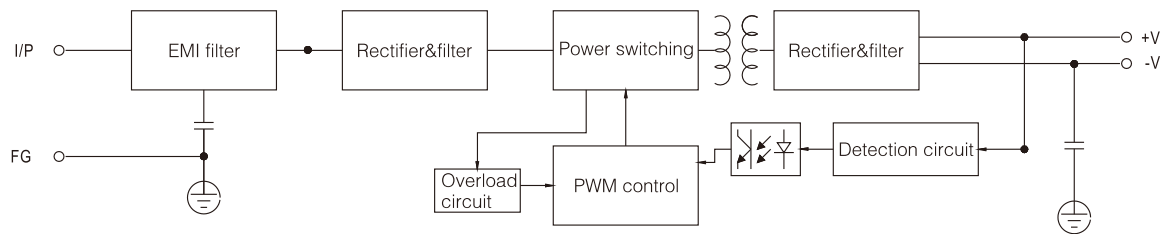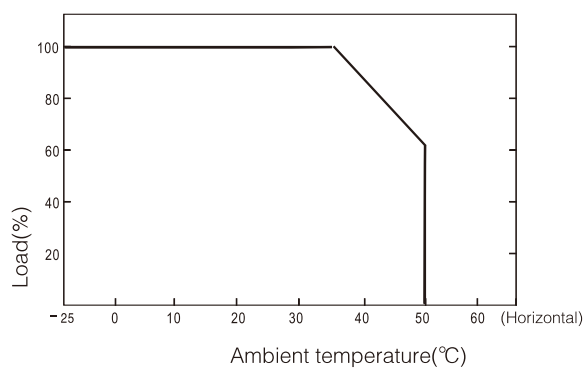
Mechanical specification

Unit:mm

76

6

3.5

7

53 58

1
2
3
4
5

5

φ3.5

84

6.5 80

9

3.5

9

30

Terminal Pin No.Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG ⏚		

Block diagram

I/P

EMI filter

Rectifier&filter

Power switching

Rectifier&filter

+V
-V

FG

Overload circuit

PWM control

Detection circuit

Derating curve

Load(%)

100
80
60
40
20

-25 0 10 20 30 40 50 60 (Horizontal)

Ambient temperature(℃)

Static characteristic

Ta=25℃

Load(%)

100
85
70
55
40
25

95 100 115 120 140 160 180 200 220 240 264

Input voltage(V)50Hz