

**GTIN CODE**MW Search: <https://www.meanwell.com/serviceGTIN.aspx>**SPECIFICATION**

MODEL	RS-75-3.3	RS-75-5	RS-75-12	RS-75-15	RS-75-24	RS-75-48						
OUTPUT	DC VOLTAGE	3.3V	5V	12V	15V	24V						
	RATED CURRENT	15A	12A	6A	5A	3.2A						
	CURRENT RANGE	0 ~ 15A	0 ~ 12A	0 ~ 6A	0 ~ 5A	0 ~ 3.2A						
	RATED POWER	49.5W	60W	72W	75W	76.8W						
	RIPLPE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p						
	VOLTAGE ADJ. RANGE	3V ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.6V						
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%						
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%						
	LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%						
SETUP, RISE TIME		500ms, 30ms/230VAC	1200ms, 30ms/115VAC at full load									
HOLD UP TIME (Typ.)		60ms/230VAC	14ms/115VAC at full load									
INPUT	VOLTAGE RANGE	88 ~ 264VAC	125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)									
	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY(Typ.)	75%	79%	84.5%	86%	88.5%						
	AC CURRENT (Typ.)	2A/115VAC	1.2A/230VAC									
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC										
	LEAKAGE CURRENT	<2mA / 240VAC										
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed										
	OVER VOLTAGE	3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V						
		Protection type : Hiccup mode, recovers automatically after fault condition is removed										
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")										
	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)										
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes										
SAFETY & EMC (Note 6)	SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, AS/NZS 62368.1, EAC TP TC 004 approved										
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC								
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms	/ 500VDC / 25°C / 70% RH									
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2, -3, EAC TP TC 020										
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN5035, BS EN/EN61000-6-2 (BS EN/EN50082-2), heavy industry level, EAC TP TC 020										
OTHERS	MTBF	2918.8K hrs min. Telcordia SR-332 (Bellcore) ; 569.6K hrs min. MIL-HDBK-217F (25°C)										
	DIMENSION	129*98*38mm (L*W*H)										
	PACKING	0.41Kg; 30pcs/13.3Kg/0.86CUFT										
NOTE	1.	All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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.										
	4.	Line regulation is measured from low line to high line at rated load.										
	5.	Load regulation is measured from 0% to 100% rated load.										
	6.	The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a> )										
	7.	The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).										
	※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a>											

**Features :**

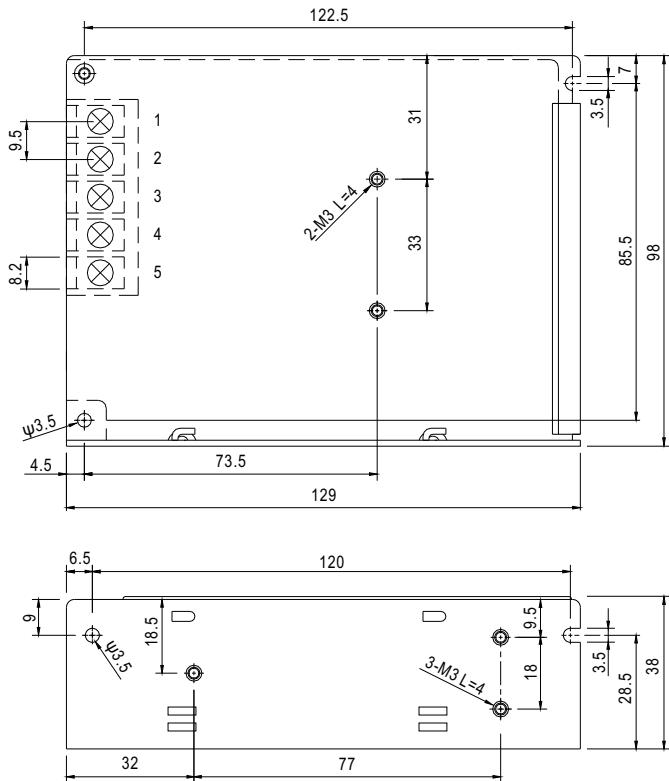
- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70°C
- Withstand 5G vibration test
- No load power consumption<0.5W
- High efficiency, long life and high reliability
- 3 years warranty

User's Manual



## ■ Mechanical Specification

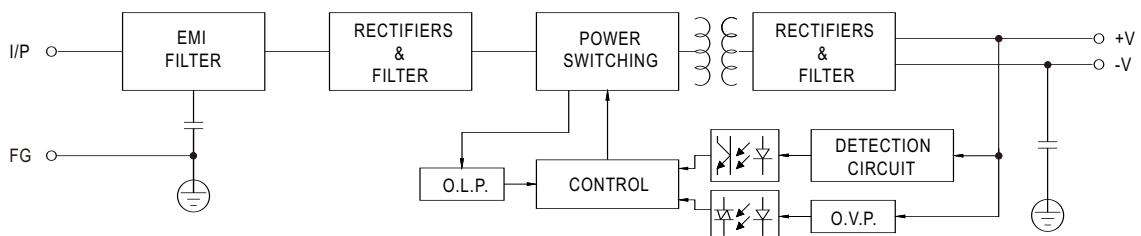
Case No. 903 Unit:mm



## 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 $\pm$		

## ■ Block Diagram



fosc : 60KHz

## ■ Derating Curve

## ■ Output Derating VS Input Voltage

