



■ 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
- High efficiency, long life and high reliability
- 3 years warranty

 cUL us
UL62368-1

BS EN/EN62368-1

IEC62368-1

 CB
TPTC004

 EAC
CE UK
CA

SPECIFICATION

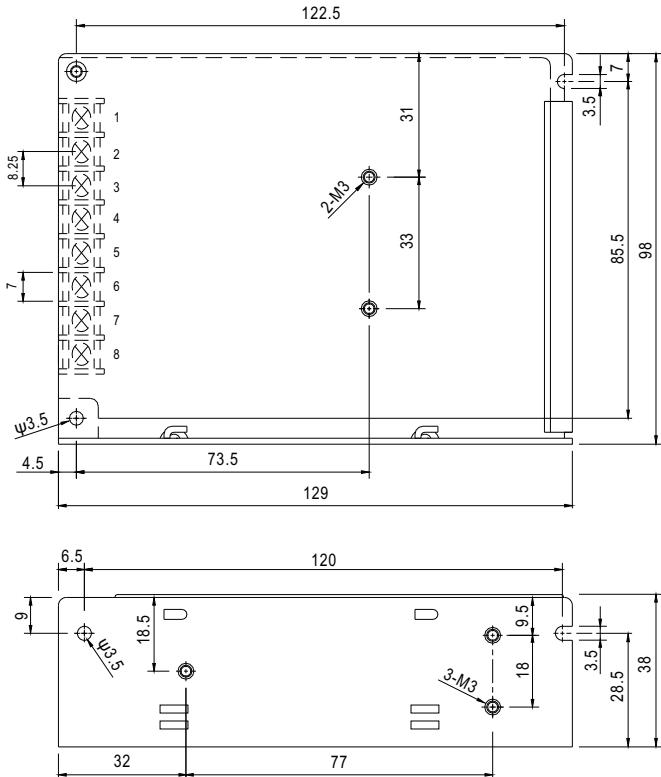
MODEL	RT-65A			RT-65B			RT-65C			RT-65D				
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	24V	12V	
	RATED CURRENT	6A	2.8A	0.5A	5A	2.8A	0.5A	5A	2.2A	0.5A	4A	1.5A	1A	
	CURRENT RANGE	Note.6	0 ~ 8A	0 ~ 3.5A	0 ~ 1A	0 ~ 8A	0 ~ 3.5A	0 ~ 1A	0 ~ 8A	0 ~ 3A	0 ~ 1A	0 ~ 8A	0 ~ 2A	0 ~ 1A
	RATED POWER	Note.6	66.1W		64.6W		65.5W		68W					
	RIPPLE & NOISE (max.)	Note.2	80mVp-p	120mVp-p	80mVp-p	80mVp-p	120mVp-p	80mVp-p	120mVp-p	80mVp-p	80mVp-p	150mVp-p	120mVp-p	
	VOLTAGE ADJ. RANGE		CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V			
	VOLTAGE TOLERANCE	Note.3	±2.0%	±6.0%	±5.0%	±2.0%	±6.0%	±5.0%	±2.0%	+8,-4%	±5.0%	±2.0%	+4,-10%	±6.0%
	LINE REGULATION	Note.4	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±2.0%
	LOAD REGULATION	Note.5	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±4.0%
INPUT	SETUP, RISE TIME		500ms, 20ms/230VAC		1200ms, 30ms/115VAC at full load									
	HOLD UP TIME (Typ.)		60ms/230VAC		14ms/115VAC at full load									
	VOLTAGE RANGE		88 ~ 264VAC		125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)									
	FREQUENCY RANGE		47 ~ 63Hz											
	EFFICIENCY(Typ.)		76%		76%		77%		78%					
	AC CURRENT (Typ.)		2A/115VAC		1.2A/230VAC									
PROTECTION	INRUSH CURRENT (Typ.)		COLD START 50A/230VAC											
	LEAKAGE CURRENT		<2mA / 240VAC											
	OVERLOAD		110 ~ 150% rated output power											
			Protection type : Hiccup mode, recovers automatically after fault condition is removed											
ENVIRONMENT	OVER VOLTAGE		CH1: 5.75 ~ 6.75V											
			Protection type : Hiccup mode, recovers automatically after fault condition is removed											
	WORKING TEMP.		-25 ~ +70°C (Refer to "Derating Curve")											
	WORKING HUMIDITY		20 ~ 90% RH non-condensing											
SAFETY & EMC (Note 7)	STORAGE TEMP., HUMIDITY		-40 ~ +85°C, 10 ~ 95% RH											
	TEMP. COEFFICIENT		±0.03%/°C (0 ~ 50°C)on +5V output											
	VIBRATION		10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes											
	SAFETY STANDARDS		UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved											
OTHERS	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/EN61000-6-2 (BS EN/EN50082-2), heavy industry level, criteria A, EAC TP TC 020											
NOTE	MTBF		254.6Khrs min. MIL-HDBK-217F (25°C)											
	DIMENSION		129*98*38mm (L*W*H)											
	PACKING		0.44Kg; 30pcs/13.2Kg/0.72CUFT											

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 20% to 100% rated load, and other output at 60% rated load.
6. Each output can work within current range. But total output power can't exceed rated output power.
7. 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 <http://www.meanwell.com>)
8. 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 <https://www.meanwell.com/serviceDisclaimer.aspx>

■ Mechanical Specification

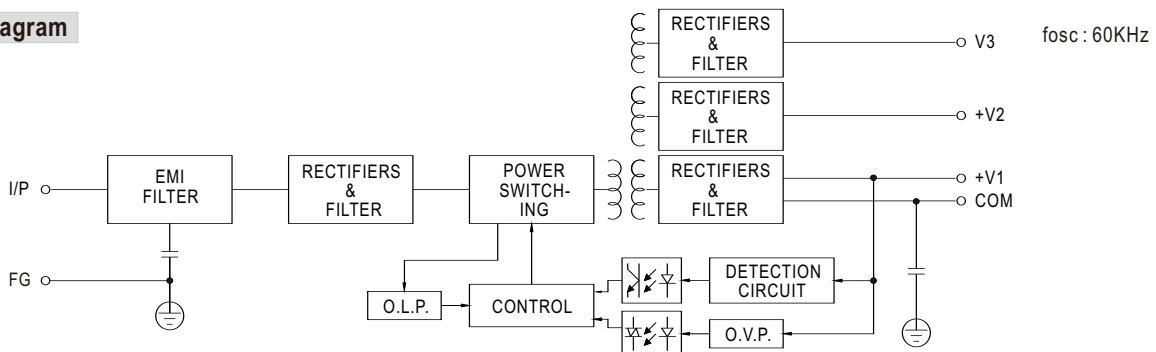
Case No. 903 Unit:mm



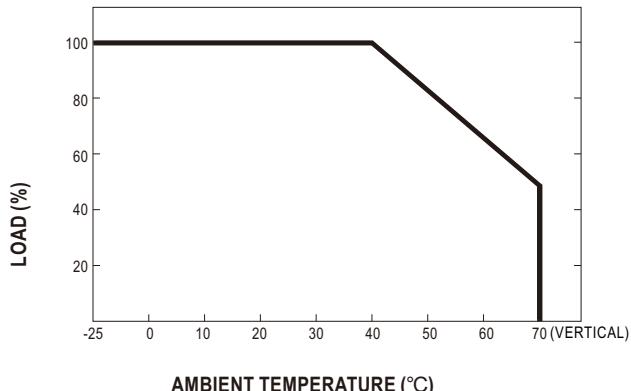
Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	5	DC OUTPUT V3
2	AC/N	6	DC OUTPUT +V2
3	FG \pm	7	DC OUTPUT COM
4	NC	8	DC OUTPUT +V1

■ Block Diagram



■ Derating Curve



■ Output Derating VS Input Voltage

