



■ Features :

- Isolated output & GND for CH1,CH2
- AC input range selectable by switch
- Withstand 300VAC surge input for 5 seconds
- · Protections: Short circuit / Overload / Over voltage
- All using 105°C long life electrolytic capacitors
- · Withstand 5G vibration test
- · LED indicator for power on
- 100% full load burn-in test
- · High realibility
- 3 years warranty

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SPECIFICATION MODEL RID-125-2448 RID-125-1224 RID-125-1248 OUTPUT NUMBER CH1 CH2 CH1 CH2 CH1 CH2 DC VOLTAGE 12V 24V 12V 48V 24V 48V 3.7A RATED CURRENT 3.7A 2.3A 2.3A 2A 2A CURRENT RANGE 1 ~ 7A 0.4 ~ 5A 1 ~ 7A 0.2 ~ 2.5A 0.5 ~ 4A 0.2 ~ 2.5A Note.6 RATED POWER 133.2W 138W 144W Note.6 RIPPLE & NOISE (max.) Note.2 120mVp-p 200mVp-p 120mVp-p 240mVp-p 200mVp-p 240mVp-p OUTPUT **VOLTAGE ADJ. RANGE** CH1: 11.4 ~ 13.2V CH1: 11.4 ~ 13.2V CH1: 22.8 ~ 26.4V VOLTAGE TOLERANCE Note.3 ±2.0% +8.-5% ±2.0% +8.-5% ±1.0% ±4.0% LINE REGULATION $\pm 0.5\%$ ±1.0% ±0.5% ±0.5% ±1.0% +1.0%Note.4 LOAD REGULATION ±1.0% ±5.0% ±1.0% ±5.0% ±1.0% $\pm 3.0\%$ Note.5 SETUP. RISE TIME 500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load HOLD UP TIME (Typ.) 36ms/230VAC 30ms/115VAC at full load **VOLTAGE RANGE** 88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(300VAC peak 5sec. No damage) **FREQUENCY RANGE** 47 ~ 63Hz EFFICIENCY(Typ.) 86% 85% 85% INPUT AC CURRENT (Typ.) 3A/115VAC 2A/230VAC INRUSH CURRENT (Typ.) COLD START 40A/230VAC LEAKAGE CURRENT <2mA / 240VAC 110 ~ 150% rated output power **OVERLOAD** Protection type: Hiccup mode, recovers automatically after fault condition is removed PROTECTION CH1: 13.8 ~ 16.2V CH1: 27.6 ~ 32.4V CH1: 13.8 ~ 16.2V **OVER VOLTAGE** Protection type: Hiccup mode, recovers automatically after fault condition is removed -20 ~ +70°C (Refer to "Derating Curve") WORKING TEMP. 20 ~ 90% RH non-condensing WORKING HUMIDITY ENVIRONMENT -40 ~ +85°C, 10 ~ 95% RH STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT $\pm 0.03\%$ /°C (0 ~ 50°C)on CH1 output VIBRATION 10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes SAFETY STANDARDS UL60950-1, TUV EN60950-1 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC SAFFTY & ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/70% RH **EMC EMC EMISSION** (Note 7) Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3 **EMC IMMUNITY** Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A MTBF 218.2Khrs min. MIL-HDBK-217F (25°C) DIMENSION OTHERS 199*98*38mm (L*W*H) 0.7Kg; 20pcs/15Kg/0.8CUFT **PACKING**

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 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. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.



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■ Features :

- Isolated output & GND for CH1,CH2
- AC input range selectable by switch
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- 170% peak load for CH1
- * All using 105°C long life electrolytic capacitors
- Withstand 5G vibration test
- · LED indicator for power on
- 100% full load burn-in test
- High realibility
- 3 years warranty



MODEL		RID-125-1205		RID-125-2405	
	OUTPUT NUMBER	CH1	CH2	CH1	CH2
ОИТРИТ	DC VOLTAGE	12V	5V	24V	5V
	RATED CURRENT	9.2A	3A	4.6A	3A
	CURRENT RANGE Note.6	2 ~ 10.5A	0 ~ 3A	2~5.3A	0 ~ 3A
	PEAK LOAD Note.9	15.6A	3A	7.8A	3A
	RATED POWER	125.4W	1	125.4W	
	RIPPLE & NOISE (max.) Note.2	120mVp-p	80mVp-p	120mVp-p	80mVp-p
	VOLTAGE ADJ. RANGE	CH1: 11.4 ~ 13.2V		CH1: 22.8 ~ 26.4V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±3.0%	±2.0%	±3.0%
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION Note.5	±1.0%	±2.0%	±1.0%	±2.0%
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load			
	HOLD UP TIME (Typ.)	35ms/230VAC 30ms/115VAC at full load			
INPUT	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(300VAC peak 5sec., no damage)			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY(Typ.)	80%		83%	
	AC CURRENT (Typ.)	3A/115VAC 2A/230VAC			
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC			
	LEAKAGE CURRENT	<2mA/240VAC			
PROTECTION		>165% rated output power			
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed			
		CH1: 13.8 ~ 16.2V CH1: 27.6 ~ 32.4V			
	OVER VOLTAGE	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	$\pm 0.03\%$ °C (0 ~ 50 °C)on CH1 output			
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes			
SAFETY & EMC (Note 7)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 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 EN55022 (CISPR22) Class B, EN61000-3-2,-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A			
OTHERS	MTBF	218.2Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	199*98*38mm (L*W*H)			
	PACKING	0.7Kg; 20pcs/15Kg/0.8CUFT			

- 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.
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- 8. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.
- 9. 10% duty cycle maximum within every second. Average output power should not exceed the rated power.



