



■ 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

cALus CBCE

	RID-125-1224		RID-125-1248		RID-125-2448			
OUTPUT NUMBER	CH1	CH2	CH1	CH2	CH1	CH2		
DC VOLTAGE	12V	24V	12V	48V	24V	48V		
RATED CURRENT	3.7A	3.7A	2.3A	2.3A	2A	2A		
CURRENT RANGE Note.6	1~7A	0.4 ~ 5A	1 ~ 7A	0.2 ~ 2.5A	0.5 ~ 4A	0.2 ~ 2.5A		
RATED POWER Note.6	133.2W		138W	138W		144W		
RIPPLE & NOISE (max.) Note.2	120mVp-p	200mVp-p	120mVp-p	240mVp-p	200mVp-p	240mVp-p		
VOLTAGE ADJ. RANGE	CH1: 11.4 ~ 13.2V		CH1: 11.4 ~ 13	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 Note.4	±0.5%	±1.0%	±0.5%	±1.0%	±0.5%	±1.0%		
LOAD REGULATION Note.5	±1.0%	±5.0%	±1.0%	±5.0%	±1.0%	±3.0%		
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.)	85%		85%	85%		86%		
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							
OVED VOLTAGE	CH1: 13.8 ~ 16.2V CH1: 27.6 ~ 32.4V							
OVER VOLIAGE	Protection type : H	iccup mode, recove	ers automatically after fault condition is removed					
WORKING TEMP.	-20 ~ +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)on CH1 output							
VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFETY STANDARDS								
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%	6 RH				
EMC EMISSION	Compliance to EN55032 (CISPR32) 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 (2	5°C)					
DIMENSION	199*98*38mm (L*W*H)							
PACKING	0.7Kg; 20pcs/15Kg/0.8CUFT							
	DC VOLTAGE RATED CURRENT CURRENT RANGE Note.6 RATED POWER Note.6 RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION Note.5 SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY(Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT OVERLOAD OVER VOLTAGE WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION	DC VOLTAGE	DC VOLTAGE	DC VOLTAGE	DC VOLTAGE 12V 24V 12V 48V RATED CURRENT 3.7A 3.7A 2.3A 2.3A CURRENT RANGE Note.6 1 ~ 7A 0.4 ~ 5A 1 ~ 7A 0.2 ~ 2.5A RATED POWER Note.6 1 33.2W 138W RIPPLE & NOISE (max.) Note.2 210mVp-p 200mVp-p 120mVp-p 240mVp-p VOLTAGE TOLERANCE Note.3 ±2.0% +85% ±2.0% +85% LINE REGULATION Note.5 ±1.0% ±0.5% ±1.0% ±5.0% LINE REGULATION Note.5 ±1.0% ±5.0% ±1.0% ±5.0% LOAD REGULATION Note.5 ±1.0% ±5.0% ±1.0% ±5.0% LOAD REGULATION Note.5 ±1.0% ±5.0% ±1.0% ±5.0% SETUP, RISE TIME 500ms, 20ms/230VAC 30ms/115VAC at full load VOLTAGE TOLTAGE 47 ~ 63H2 85 ~ 322VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(300VAC EFFICIENCY (Typ.) 85% 85% 85% AC CURRENT (Typ.)	DC VOLTAGE		

NOTE

- 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.



CDECIFICATION



■ 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		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						
	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	±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						
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
EMC (Note 7)	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH						
	EMC EMISSION	Compliance to EN55032 (CISPR32) 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)						
OTHERS	DIMENSION	199*98*38mm (L*W*H)						

- 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.
- 9. 10% duty cycle maximum within every second. Average output power should not exceed the rated power.



