



Features:

- Protections: Short circuit / Overload / Over voltage
- · Cooling by free air convection
- · LED indicator for power on
- 100% full load burn-in test
- 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

SPECIFICATION



MODEL		RD-125A		RD-125B	RD-125B			
	OUTPUT NUMBER	CH1	CH2	CH1	CH2			
	DC VOLTAGE	5V	12V	5V	24V			
	RATED CURRENT	7.7A	7.7A	4.6A	4.6A			
	CURRENT RANGE Note.6	2 ~ 15A	0.5 ~ 10A	2 ~ 10A	0.4 ~ 5A			
	RATED POWER Note.6	130.9W		133.4W				
ОИТРИТ	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	80mVp-p	120mVp-p			
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V				
	VOLTAGE TOLERANCE Note.3	±5.0%	±7.0%	±5.0%	±7.0%			
	LINE REGULATION Note.4	±1.0%	±2.0%	±1.0%	±2.0%			
	LOAD REGULATION Note.5	±3.0%	±4.0%	±3.0%	±4.0%			
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load						
	HOLD UP TIME (Typ.)	25ms/230VAC 30ms/115VAC at full load						
INPUT	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC se	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without da					
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY (Typ.)	82%		85%				
	AC CURRENT (Typ.)	3A/115VAC 2A/230VAC		•				
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC						
	LEAKAGE CURRENT	<2mA/240VAC						
		110 ~ 150% rated output power						
PROTECTION	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed						
PROTECTION		CH1: 5.75 ~ 6.75V						
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed						
	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")						
ENVIRONMENT	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 & EMC (Note 7)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved						
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC 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 / 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	232.4Khrs min. MIL-HDBK-217F (25°ℂ)						
	DIMENSION	199*98*38mm (L*W*H)						
	PACKING	0.7Kg; 20pcs/15Kg/0.8CUFT						

NOTE

- 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. 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.





Features:

- Protections: Short circuit / Overload / Over voltage
- · Cooling by free air convection
- · LED indicator for power on
- 100% full load burn-in test
- \bullet All using 105 $\!\!\!\!\!\!\!^{\circ}$ 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

SPECIFICATION



MODEL		RD-125-1224		RD-125-1248		RD-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		144W			
OUTBUT	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 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.)	25ms/230VAC 30ms/115VAC at full load							
	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)							
	FREQUENCY RANGE	47 ~ 63Hz							
INPUT	EFFICIENCY (Typ.)	85% 86% 86%							
INPUT	AC CURRENT (Typ.)	3A/115VAC 2A/230VAC							
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC							
	LEAKAGE CURRENT	<2mA/240VAC							
PROTECTION		110 ~ 150% rated output power							
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
		CH1: 13.8 ~ 16.2V 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	±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:1.5KVAC O/P-FG:0.5KVAC							
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH							
(Note 7)	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						
NOTE		ully mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.							

NOTE

- 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. 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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- · Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- \bullet All using 105 $\!\!\!\!\!\!\!^{\circ}$ long life electrolytic capacitors
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- · Withstand 5G vibration test
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- 3 years warranty

SPECIFICATION



	RD-125-2412		RD-125-4812		RD-125-4824		
OUTPUT NUMBER	CH1	CH2	CH1	CH2	CH1	CH2	
DC VOLTAGE	24V	12V	48V	12V	48V	24V	
RATED CURRENT	3.7A	3.7A	2.3A	2.3A	2A	2A	
CURRENT RANGE Note.6	0.5 ~ 5A	1 ~ 7A	0.3 ~ 2.5A	1 ~ 7A	0.3 ~ 2.5A	0.5 ~ 4A	
RATED POWER Note.6	133.2W		138W		144W		
RIPPLE & NOISE (max.) Note.2	200mVp-p	120mVp-p	240mVp-p	120mVp-p	240mVp-p	240mVp-p	
VOLTAGE ADJ. RANGE	CH1: 22.8 ~ 26.4V		CH1: 45.6 ~ 52.8V		CH1: 45.6 ~ 52.8V		
VOLTAGE TOLERANCE Note.3	±2.0%	±10%	±2.0%	±10%	±1.0%	±8.0%	
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%	±5.0%	
SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load						
HOLD UP TIME (Typ.)	25ms/230VAC 30ms/115VAC at full load						
VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)						
FREQUENCY RANGE	47 ~ 63Hz						
EFFICIENCY (Typ.)	85%		86%		86%	6%	
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						
	CH1: 27.6 ~ 32.4V						
OVER VOLTAGE	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						
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						
WITHSTAND VOLTAGE	I/P-O/P:3KVAC 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 / 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						
MTBF	232.4Khrs min. MIL-HDBK-217F (25°C)						
DIMENSION	199*98*38mm (L*W*H)						
PACKING	0.7Kg; 20pcs/15Kg/0.8CUFT						
	DC VOLTAGE RATED CURRENT CURRENT RANGE RATED POWER Note.6 RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION VOLTAGE 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	OUTPUT NUMBER CH1 DC VOLTAGE 24V RATED CURRENT 3.7A CURRENT RANGE Note.6 0.5 ~ 5A RATED POWER Note.6 133.2W RIPPLE & NOISE (max.) Note.2 200mVp-p VOLTAGE ADJ. RANGE CH1: 22.8 ~ 26.4V VOLTAGE TOLERANCE Note.3 ±2.0% LINE REGULATION Note.4 ±0.5% LOAD REGULATION Note.5 ±1.0% SETUP, RISE TIME 500ms, 20ms/230VA 300ms/230VA HOLD UP TIME (Typ.) 25ms/230VAC 300ms/230VA VOLTAGE RANGE 88 ~ 132VAC / 176 ~ 500ms, 20ms/230VA FREQUENCY RANGE 47 ~ 63Hz 47 ~ 63Hz EFFICIENCY (Typ.) 3A/115VAC 2A INRUSH CURRENT (Typ.) 3A/115VAC 2A INRUSH CURRENT (Typ.) COLD START 40A/2 LEAKAGE CURRENT <2mA / 240VAC	OUTPUT NUMBER CH1 CH2 DC VOLTAGE 24V 12V RATED CURRENT 3.7A 3.7A CURRENT RANGE Note.6 0.5 ~ 5A 1 ~ 7A RATED POWER Note.6 133.2W RIPPLE & NOISE (max.) Note.2 200mVp-p 120mVp-p VOLTAGE ADJ. RANGE CH1: 22.8 ~ 26.4V VOLTAGE TOLERANCE Note.3 ±2.0% ±1.0% LINE REGULATION Note.4 ±0.5% ±1.0% LOAD REGULATION Note.5 ±1.0% ±1.0% LOAD REGULATION 25ms/230VAC 1200ms, 30ms BETUP, RISE TIME 500ms, 20ms/230VAC 1200ms, 30ms HOLD UP TIME (Typ.) 25ms/230VAC 30ms/115VAC at full loc VOLTAGE 88 ~ 132VAC / 176 ~ 264VAC selected by sel	OUTPUT NUMBER CH1 CH2 CH1 DC VOLTAGE 24V 12V 48V RATED CURRENT 3.7A 3.7A 2.3A CURRENT RANGE Note.6 0.5 - 5A 1 - 7A 0.3 - 2.5A RATED POWER Note.6 133.2W 138W RIPPLE & NOISE (max.) Note.2 200mVp-p 120mVp-p 240mVp-p VOLTAGE ADJ. RANGE CH1: 22.8 - 26.4V CH1: 45.6 - 52.8V VOLTAGE TOLERANCE Note.3 ±2.0% ±1.0% ±2.0% LINE REGULATION Note.5 ±1.0% ±2.0% LINE REGULATION Note.5 ±1.0% ±5.0% ±1.0% LOAD REGULATION Note.5 ±1.0% ±5.0% ±1.0% SETUP, RISE TIME 500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load 100 VOLTAGE RANGE 88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373 FREQUENCY RANGE 47 ~ 63Hz 86% EFFICIENCY (Typ.) 33/115VAC 24/230VAC INRUSH CURRENT (Typ.) 10 ~ 150% rated output power	OUTPUT NUMBER CH1 CH2 CH1 CH2 DC VOLTAGE 24V 12V 48V 12V RATED CURRENT 3.7A 3.7A 2.3A 2.3A CURRENT RANGE Note.6 0.5 ~ 5A 1 ~ 7A 0.3 ~ 2.5A 1 ~ 7A RATED POWER Note.6 133.2W 138W 138W 138W RIPPLE & NOISE (max.) Note.2 200mVp-p 120mVp-p 240mVp-p 120mVp-p 120mVp-p VOLTAGE ADJ. RANGE CH1: 22.8 ~ 26.4V CH1: 45.6 ~ 52.8V UDV 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 1.0% ± 5.0% ± 1.0% ± 5.0% ± 1.0% ± 5.0% ± 1.0% ± 5.0% ± 1.0% ± 5.0% ± 1.0% ± 5.0% ± 5.0% ± 1.0% ± 5.0% ± 5.0% ± 5.0% ± 6.0% ± 6.0% ± 6.0% ± 6.0% ± 6.0% ± 6.0% ± 6.0% ± 6.0% ± 6.0% ± 6.0% ±	OUTPUT NUMBER CH1 CH2 CH1 ABV 48V 48W 48W 48W 48W 48W 48W 48W 48W 410W 48W 410W 48W 410W 48W 410W 48W 48W	

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.

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