±7.0%

±2.0%





■ Features :

- 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 $70^{\circ}\!\text{C}$
- · Withstand 5G vibration test
- High efficiency, long life and high reliability

CH1: 4.75 ~ 5.5V

+5.0%

 $\pm 1.0\%$

3 years warranty



SP

VOLTAGE ADJ. RANGE

INRUSH CURRENT (Typ.)

LEAKAGE CURRENT

WORKING HUMIDITY

LINE REGULATION

VOLTAGE TOLERANCE Note.3 ±5.0%

SPECIFIC	CATION		(E SUL62368-1 BS EN/EN62368-1 IEC6236	
MODEL		RD-125A		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.3	0 ~ 12A	0 ~ 10A	0 ~ 10A	0 ~ 5A
	RATED POWER Note.6	130.9W		133.4W	
OUTPUT	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	80mVp-p	120mVp-p
OUIPUI		0114 4 75 5 514		0114 4 75 5 5 5 7	

LOAD REGULATION No	te.5 ±3.0%	±4.0%	±3.0%	±4.0%
SETUP, RISE TIME	500ms, 20ms/230VAC 12	00ms, 30ms/115VAC at full load		
HOLD UP TIME (Typ.)	25ms/230VAC 30ms/115	VAC at full load		
VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC s	selected by switch 248 ~ 373	VDC(Withstand 300VAC surge for	r 5sec. Without damage)
FREQUENCY RANGE	47 ~ 63Hz			

+70%

±2.0%

	VOLIMOL IUMIOL	To To Lot Will a Collected by Switch	VD 0(Williotana 000 Williota Gargo for 0000. Williota Gamago)
	FREQUENCY RANGE	47 ~ 63Hz	
INPUT	EFFICIENCY (Typ.)	82%	85%
1141 01	AC CURRENT (Typ.)	3A/115VAC 2A/230VAC	

		110 ~ 150% rated output power
DDOTECTION	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed
PROTECTION		CLIA, E.Z.E. C.ZEV

COLD START 50A/230VAC

<2mA / 240VAC

CH1: 4.75 ~ 5.5V

Note.4 ±1.0%

	-25 ~ +70°C (Refer to "Derating Curve")
OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed
	CHI: 5.75 ~ 6.75V

ENVIRONMENT	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 STANDARDS	UL62368-1, TUV BS EN/EN62368-1, IS 13252(Part 1), EAC TP TC 004 approved

20 ~ 90% RH non-condensing

		SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, IS 13252(Part 1), EAC TP TC 004 approved
SAF	FETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
EM	С	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH
(Not	te 7)	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2(Note 9),-3, EAC TP TC 020
		EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), heavy industry level, EAC TP TC 020
		MTBF	2755.4K hrs min. Telcordia SR-332 (Bellcore) ; 425.8K hrs min. MIL-HDBK-217F (25°C)
OTH	HERS	DIMENSION	199*98*38mm (L*W*H)
		PACKING	0.7Kg; 20pcs/15Kg/0.85CUFT

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 0.1 μ F & 47 μ F parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation.(In order to meet tolerance, it is recommended that CH1 load >15% rated current.)
- 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.
- 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 https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)
- 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. Testing harmonic current at 85%load.
- 10. The \bar{a} mbient temperature derating of 3.5 °C/1000 m with fanless models and of 5 °C/1000 m with fan models for operating altitude higher than 2000 m (6500 ft). ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



SPECIFICATION



MW Search: https://www.meanwell.com/serviceGTIN.aspx

■ Features :

- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
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- All using 105[°]C long life electrolytic capacitors
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- · Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



C	UL62368-1	SEN/EN62368-1	CB IEC62368-1	TPTC004	ϵ		IS13252	•
						(oni	y for RD-125-12:	24

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.3	0 ~ 7A	0 ~ 5A	0 ~ 7A	0 ~ 2.5A	0 ~ 4A	0 ~ 2.5A	
	RATED POWER Note.6	133.2W		138W		144W		
	RIPPLE & NOISE (max.) Note.2	120mVp-p	200mVp-p	120mVp-p	240mVp-p	200mVp-p	240mVp-p	
DUTPUT	VOLTAGE ADJ. RANGE	CH1: 11.4 ~ 13.2V		CH1: 11.4 ~ 13.2V		CH1: 22.8 ~ 26.4V	<u> </u>	
	VOLTAGE TOLERANCE Note.3	±2.0%	±8.0%	±2.0%	±8.0%	±1.0%	±6.0%	
	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/230VA	C 1200ms, 30ms	s/115VAC at full load				
	HOLD UP TIME (Typ.)	25ms/230VAC	30ms/115VAC at full lo	ad				
	VOLTAGE RANGE	88 ~ 132VAC / 176 ~	264VAC selected by s	switch 248 ~ 373	BVDC(Withstand 300V/	AC surge for 5sec. Wi	thout damage)	
	FREQUENCY RANGE	47 ~ 63Hz	47 ~ 63Hz					
MDIIT	EFFICIENCY (Typ.)	85%		86%		86%		
INPUT	AC CURRENT (Typ.)	3A/115VAC 2A	/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 50A/230VAC						
	LEAKAGE CURRENT	<2mA / 240VAC						
		110 ~ 150% rated output power						
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed						
ROTECTION		CH1: 13.8 ~ 16.2V						
	OVER VOLTAGE	Protection type : Hice	Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	WORKING TEMP.	-25 ~ +70°C (Refer to	o "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-co	ndensing					
NVIRONMENT	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	UL62368-1, TUV BS EN/EN62368-1, IS 13252(Part 1)(only for RD-125-1224), EAC TP TC 004 approved						
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/F	P-FG:2KVAC O/P-FG	G: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 BS Ef	N/EN55032 (CISPR32) Class B, BS EN/EN6	61000-3-2(Note 9),-3, E	AC TP TC 020		
	EMC IMMUNITY	Compliance to BS EN/E	N61000-4-2,3,4,5,6,8,11	, BS EN/EN55035, BS EN	N/EN61000-6-2 (BS EN/EI	N50082-2), heavy indust	ry level, EAC TP TC 02	
	MTBF	2755.4K hrs min.	Telcordia SR-332 (Bel	lcore) ; 425.8K hrs mi	n. MIL-HDBK-217F	(25°℃)		
OTHERS	DIMENSION	199*98*38mm (L*W*						
	PACKING	0.7Kg; 20pcs/15Kg/0	.85CUFT					
	1. All parameters NOT specially	v mentioned are mea	sured at 230VAC inp	ut, rated load and 25	°C of ambient temper	ature.		

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 0.1 μ F & 47 μ F parallel capacitor.
- 3. Tolerance: includes set up tolerance, line regulation and load regulation.(In order to meet tolerance, it is recommended that CH1 load > 5% rated current.)
- 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 https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)
- 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. Testing harmonic current at 85%load.
- 10. 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





MW Search: https://www.meanwell.com/serviceGTIN.aspx

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C	TUS UL62368-1	BS EN/EN62368-1	CB IEC62368-1	TPTC004	ϵ		IS13252	
						(only	for RD-125-	24

MODEL		RD-125-2412		RD-125-4812		RD-125-4824		
ODLL	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	
		0 ~ 5A	0 ~ 7A	0 ~ 2.5A	0 ~ 7A	0 ~ 2.5A	0 ~ 4A	
		133.2W	IO TA	138W	IO TA	144W	0 4/1	
	RIPPLE & NOISE (max.) Note.2		120mVp-p	240mVp-p	120mVp-p	240mVp-p	240mVp-p	
UTPUT	VOLTAGE ADJ. RANGE	CH1: 22.8 ~ 26.4V	.20тр р	CH1: 45.6 ~ 52.8V	1201p p	CH1: 45.6 ~ 52.8V	2 : 0 t p	
	VOLTAGE TOLERANCE Note.3		±10%	±2.0%	±10%	±1.0%	±8.0%	
		±0.5%	±1.0%	±0.5%	±1.0%	±0.5%	±1.0%	
		±1.0%	±5.0%	±1.0%	±5.0%	±1.0%	±5.0%	
	SETUP, RISE TIME	500ms, 20ms/230VA		/115VAC at full load				
	HOLD UP TIME (Typ.)	,	30ms/115VAC at full lo					
	VOLTAGE RANGE		264VAC selected by s		VDC(Withstand 300VA	AC surge for 5sec. Wit	hout damage)	
INDUT	FREQUENCY RANGE	47 ~ 63Hz		210 010120(1111101011010011		9	3.,	
	EFFICIENCY (Typ.)	85%		86%		86%		
PUT	AC CURRENT (Typ.)		/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 50A/230VAC						
	LEAKAGE CURRENT	<2mA / 240VAC						
		110 ~ 150% rated output power						
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed						
ROTECTION		CH1: 27.6 ~ 32.4V	,	CH1: 55.2 ~ 64.8V		CH1: 55.2 ~ 64.8V		
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed						
	WORKING TEMP.	-25 ~ +70°C (Refer to	o "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-co						
NVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95	% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0~50°	C)on CH1 output					
	VIBRATION	10 ~ 500Hz, 5G 10m	in./1cycle, period for 6	Omin. each along X, Y	', Z axes			
	SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, IS 13252(Part 1)(only for RD-125-2412), EAC TP TC 004 approved						
AFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/F	P-FG:2KVAC O/P-FG	G:0.5KVAC				
мс	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-	-FG:100M Ohms / 500	VDC / 25°C/ 70% RH				
lote 7)	EMC EMISSION	Compliance to BS Ef	N/EN55032 (CISPR32) Class B, BS EN/EN6	61000-3-2(Note 9),-3, E/	AC TP TC 020		
	EMC IMMUNITY	Compliance to BS EN/E	N61000-4-2,3,4,5,6,8,11,	BS EN/EN55035, BS EN	I/EN61000-6-2 (BS EN/EN	I50082-2), heavy industry	y level, EAC TP TC 02	
	MTBF	2755.4K hrs min.	Telcordia SR-332 (Bel	lcore) ; 425.8K hrs mi	n. MIL-HDBK-217F	(25°℃)		
THERS	DIMENSION	199*98*38mm (L*W*	,			,		
	PACKING	0.7Kg; 20pcs/15Kg/0	.85CUFT					
IOTE	All parameters NOT specially Ripple & noise are measured Tolerance: includes set up to Line regulation is measured.	d at 20MHz of bandw olerance, line regulati	idth by using a 12" tw on and load regulatio	isted pair-wire termin	ated with a 0.1 μ F &	47 μ F parallel capac		

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