



■ 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°C
- · Withstand 5G vibration test
- · High efficiency, long life and high reliability
- 3 years warranty



SPECIFICATION



VOLTAGE ADJ. RANGE CHI: 4.75 ~ 5.5V	MODEL		RQ-125B				RQ-125C				RQ-125D			
Note 1	ОИТРИТ	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4
CURRENT RANGE		DC VOLTAGE	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V
Note		RATED CURRENT	11A	4.5A	1A	0.5A	10A	4A	1A	0.5A	8A	2.5A	2A	0.5A
NUTLINE RIPPLE & NOISE (max.) Note.2 Sommon 12mm/p-p 8mm/p-p 6mm/p-p 8mm/p-p 8mm/p-p 8mm/p-p 8mm/p-p 6mm/p-p 8mm/p-p 6mm/p-p 8mm/p-p 8mm/p-p 6mm/p-p 8mm/p-p 8		CURRENT RANGE Note.3	0 ~ 12A	0 ~ 4.5A	0 ~ 1A	0 ~ 1A	0 ~ 12A	0 ~ 4A	0 ~ 1A	0 ~ 1A	0 ~ 12A	0 ~ 4A	0 ~ 2.5A	0 ~ 1A
VOLTAGE ADJ. RANGE		RATED POWER Note.6	120W			122.5W				124W				
VOLTAGE TOLERANCE Notes \$2.0% \$1.0.* \$4.0.* \$1.0.* \$2.0% \$1.0.* \$2.0% \$1.0.* \$2.0% \$1.0.* \$2.0% \$1.0.* \$2.0% \$1.0.* \$2.0% \$1.0.* \$2.0.* \$2.0% \$1.0.* \$2.0.*		RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p 80mVp-p		80mVp-p	80mVp-p	80mVp-p 120mVp-p 80mVp-p 80mV		80mVp-p	80mVp-p	120mVp-p 150mVp-p 80mV		80mVp-p
LINE REGULATION Note 20.5% ±1.0% ±1.		VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V				CH1: 4.75 ~ 5.5V				
LOAD REGULATION Note.5 ±1.0% ±3.0% ±6.0% ±2.0% ±1.0% ±3.0% ±6.0% ±2.0% ±1.0% ±3.0% ±6.0% ±2.0% ±		VOLTAGE TOLERANCE Note.3	±2.0%	+10,-1%	+6,-10%	±5.0%	±2.0%	+10,-1%	+6,-10%	±5.0%	±2.0%	+10,-1%	±8.0%	±5.0%
SETUP, RISE TIME		LINE REGULATION Note.4	±0.5%	±1.0%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±1.0%
HOLD UP TIME (Typ.) 25ms/230VAC 30ms/115VAC at full load 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)		LOAD REGULATION Note.5	±1.0%	±3.0%	±6.0%	±2.0%	±1.0%	±3.0%	±6.0%	±2.0%	±1.0%	±3.0%	±6.0%	±2.0%
VOLTAGE RANGE		SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load											
FREQUENCY RANGE		HOLD UP TIME (Typ.)	25ms/230VAC 30ms/115VAC at full load											
INPUT	INPUT	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)											
AC CURRENT (Typ.) 3A/115VAC 2A/230VAC INRUSH CURRENT (Typ.) COLD START 50A/230VAC LEAKAGE CURRENT <2mA / 240VAC 110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed 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 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 & WITHSTAND VOLTAGE I/P-0/P:3KVAC I/P-6:2KVAC O/P-FG:0.5KVAC SOLATION RESISTANCE I/P-0/P:3KVAC I/P-6:2KVAC O/P-FG:0.5KVAC SOLATION RESISTANCE I/P-0/P. I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/70% RH EMC EMISSION Compliance to BS EN/ENS5032 (CISPR32) Class B, BS EN/ENS61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to BS EN/ENS6100-4-2,3,4,5,6,8,11, BS EN/EN61000-6-2 (BS EN/EN50082-2), heavy industry level, criteria A, EAC TP TC 020 OTHERS DIMENSION 199°98*38mm (L*W*H)		FREQUENCY RANGE	47 ~ 63Hz											
AC CURRENT (Typ.) 3A/115VAC 2A/230VAC INRUSH CURRENT (Typ.) COLD START 50A/230VAC LEAKAGE CURRENT <2mA / 240VAC		EFFICIENCY (Typ.)	77%				78%				80%			
LEAKAGE CURRENT <2mA / 240VAC		AC CURRENT (Typ.)	3A/115VAC 2A/230VAC											
MOVERLOAD 110 ~ 150% rated output power PROTECTION 110 ~ 150% rated output power 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 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 \$ SANDARDS UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 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 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 OTHERS <		INRUSH CURRENT (Typ.)	COLD START 50A/230VAC											
PROTECTION OVER VOLTAGE CH1: 5.75 ~ 6.75 V Protection type : Hiccup mode, recovers automatically after fault condition is removed CH1: 5.75 ~ 6.75 V Protection type : Hiccup mode, recovers automatically after fault condition is removed WORKING TEMP. WORKING HUMIDITY 20 ~ 90 % RH non-condensing STORAGE TEMP., HUMIDITY 40 ~ +85 °C, 10 ~ 95 % RH TEMP. COEFFICIENT 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 WITHSTAND VOLTAGE WIP-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC EMC (Note 7) 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 OTHERS OTHERS OTHERS OTHERS OTHERS OVER VOLTAGE CH1: 5.75 ~ 6.75 V Protection type : Hiccup mode, recovers automatically after fault condition is removed CH1: 5.75 ~ 6.75 V Protection type : Hiccup mode, recovers automatically after fault condition is removed -25 ~ +70°C (Refer to "Derating Curve") Protection type : Hiccup mode, recovers automatically after fault condition is removed -25 ~ +70°C (Refer to "Derating Curve") Protection type : Hiccup mode, recovers automatically after fault condition is removed -25 ~ +70°C (Refer to "Derating Curve") -25 ~ +70°C (Refer to "Derating Curve") -20 ~ 90 % RH non-condensing -20 ~ 90 % RH -20 ~ 90 % RH -25 ~ +70°C (Refer to "Derating Curve") -20 ~ 90 % RH -		LEAKAGE CURRENT	<2mA / 240VAC											
PROTECTION Protection type: Hiccup mode, recovers automatically after fault condition is removed CH1: 5.75 ~ 6.75 V 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 SENVIRONMENT 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 SAFETY STANDARDS UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved WITHSTAND VOLTAGE I/P-O/P;3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC EMC (Note?) 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/EN501000-4-2,3,4,5,6,8,11, BS EN/EN61000-6-2 (BS EN/EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF	PROTECTION		110 ~ 150% rated output power											
OVER VOLTAGE CH1: 5.75 ~ 6.75V		OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
WORKING TEMP.		OVER VOLTACE												
## 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 +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 ## WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC ## BIOLATION 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 ## MTBF 203.1Khrs min. MIL-HDBK-217F (25°C) **OTHERS** **OT		OVER VOLIAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
ENVIRONMENT STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH		WORKING TEMP.	,											
TEMP. COEFFICIENT	ENVIRONMENT	WORKING HUMIDITY												
VIBRATION 10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes SAFETY 8 SAFETY STANDARDS UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC 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 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 OTHERS DIMENSION 199*98*38mm (L*W*H)		STORAGE TEMP., HUMIDITY		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
SAFETY STANDARDS UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 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 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 OTHERS DIMENSION 199*98*38mm (L*W*H)		TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)on +5V output											
SAFETY & EMC (Note 7) 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 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 OTHERS DIMENSION 199*98*38mm (L*W*H)		VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes											
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 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 MTBF 203.1Khrs min. MIL-HDBK-217F (25°C) OTHERS DIMENSION 199*98*38mm (L*W*H)		SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved											
(Note 7) 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 MTBF 203.1Khrs min. MIL-HDBK-217F (25°C) OTHERS DIMENSION 199*98*38mm (L*W*H)	SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC											
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 MTBF 203.1Khrs min. MIL-HDBK-217F (25°C) OTHERS DIMENSION 199*98*38mm (L*W*H)	EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH											
MTBF 203.1Khrs min. MIL-HDBK-217F (25°C) OTHERS DIMENSION 199*98*38mm (L*W*H)	(Note 7)	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020											
OTHERS DIMENSION 199*98*38mm (L*W*H)			Compliano											TP TC 020
	OTHERS	MTBF												
PACKING 0.7Kg; 20pcs/14Kg/0.85CUFT		DIMENSION												
		PACKING	0.7Kg; 20pcs/14Kg/0.85CUFT											

NOTE

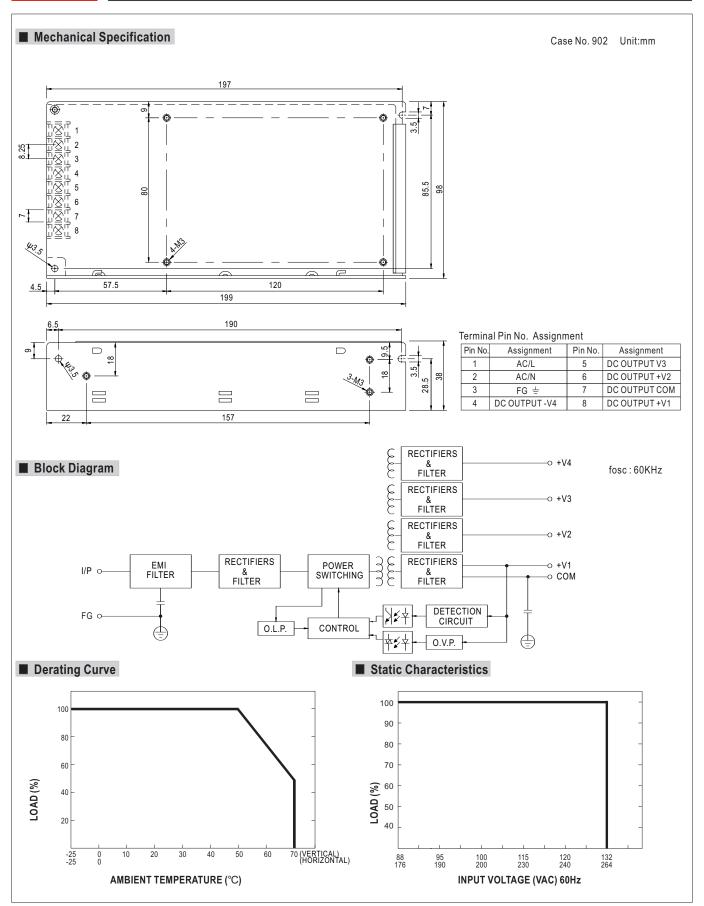
- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. (In order to meet tolerance, it is recommended that CH1 load > 20% rated current for B, C type and CH1 load > 10% rated current for D type.)
- 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. 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).

- X Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx





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MEAN WELL:

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