



■ 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



MODEL		RQ-125B				RQ-125C				RQ-125D			
ОИТРИТ	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4
	DC VOLTAGE	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V
	RATED CURRENT	11A	4.5A	1A	0.5A	10A	4A	1A	0.5A	8A	2.5A	2A	0.5A
	CURRENT RANGE Note.6	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
	RATED POWER Note.6	120W				122.5W				124W	•		'
	RIPPLE & NOISE (max.) Note.2	80mVp-p 120mVp-p 80mVp-p 80mVp-p			80mVp-p 120mVp-p 80mVp-p 80mVp-p			80mVp-p 120mVp-p 150mVp-p 80mVp					
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V				CH1: 4.75 ~ 5.5V				
	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%
	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%
	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%
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load											
	HOLD UP TIME (Typ.)	25ms/230	25ms/230VAC 30ms/115VAC at full load										
INPUT	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)											
	FREQUENCY RANGE	47 ~ 63Hz											
	EFFICIENCY (Typ.)	77% 78% 80%											
	AC CURRENT (Typ.)	3A/115VAC 2A/230VAC											
	INRUSH CURRENT (Typ.)	COLD START 50A/230VAC											
	LEAKAGE CURRENT	<2mA/240VAC											
PROTECTION		110 ~ 150% rated output power											
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
	OVED VOLTACE	CH1: 5.75 ~ 6.75V											
	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 +5V output											
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes											
	SAFETY STANDARDS	UL62368-1, TUV 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 EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020											
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020											
OTHERS	MTBF	203.1Khrs min. MIL-HDBK-217F (25°C)											
	DIMENSION	199*98*38mm (L*W*H)											
	PACKING		ocs/14Kg/0										
NOTE	All parameters NOT special Ripple & noise are measure Tolerance: includes set up Line regulation is measuree Load regulation is measuree Each output can work within The power supply is consid	ed at 20MH tolerance, I from low d from 20% current rate ered a corate with 1m	Iz of band line regula line to high 6 to 100% ange. But t nponent wl m of thicki	width by us tion and lo Ine at rate rated load otal output hich will be ness. The t	sing a 12" to ad regulation to ad regulation to additional to a second to a se	wisted pair on. output at 6 o't exceed roto a final 6 onent must	-wire termi 50% rated ated outpu equipment. be re-confi	nated with load. It power. All the EM rmed that i	a 0.1uf & 4 IC tests are t still meets	47uf paralle e been exe s EMC dire	ecuted by n	nounting th	

- 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).



