



## Features:

- Universal AC input / Full range
- 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  $^{\circ}\!\mathbb{C}$  long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty





CBCE

## **SPECIFICATION**

SPECIFIC	ATION													
MODEL		RQ-50B				RQ-50C				RQ-50D				
ОИТРИТ	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	СНЗ	CH4	CH1	CH2	СНЗ	CH4	
	DC VOLTAGE	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V	
	RATED CURRENT	5A	1A	0.5A	0.5A	5A	1A	0.5A	0.5A	3A	0.9A	0.9A	0.5A	
	CURRENT RANGE	0.5 ~ 6A	0.2 ~ 1.5A	0 ~ 1A	0 ~ 1A	0.5 ~ 6A	0.2 ~ 1.5A	0 ~ 1A	0 ~ 1A	0.5 ~ 6A	0.2 ~ 1.5A	0.1 ~ 1A	0~1A	
	RATED POWER	45.5W				50W				53.4W				
	RIPPLE & NOISE (max.) Note.2	80mVp-p   120mVp-p   100mVp-p   80mVp-p				80mVp-p   120mVp-p   100mVp-p   80mVp-p				80mVp-p   120mVp-p   180mVp-p   80mVp-p				
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V				CH1: 4.75 ~ 5.5V					
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±2.0%	±2.0%	±2.0%	±6.0%	±2.0%	±2.0%	±2.0%	±6.0%	+7,-5%	±2.0%	
	LINE REGULATION Note.4	±0.5%	±1.5%	±0.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±0.5%	±1.5%	±2.0%	±0.5%	
	LOAD REGULATION Note.5	±0.5%	±3.0%	±1.0%	±1.0%	±0.5%	±3.0%	±1.0%	±1.0%	±0.5%	±3.0%	±3.0%	±1.0%	
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load												
	HOLD UP TIME (Typ.)	60ms/230	VAC	10ms/115V	AC at full lo	ad								
INPUT	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)												
	FREQUENCY RANGE	47 ~ 63Hz												
	EFFICIENCY (Typ.)	74%				75%				79%				
	AC CURRENT (Typ.)	1.3A/115VAC 0.8A/230VAC												
	INRUSH CURRENT (Typ.)	COLD START 36A/230VAC												
	LEAKAGE CURRENT	<2mA/240VAC												
PROTECTION	OVERLOAD	110 ~ 150% rated output power												
		Protection type: Hiccup mode, recovers automatically after fault condition is removed												
	OVED VOLTAGE	CH1: 5.75 ~ 6.75V												
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°	-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%/℃ (0 ~ 50°C)on +5V output												
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes												
SAFETY & EMC (Note 6)	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	162.9Khrs min. MIL-HDBK-217F (25°ℂ)												
OTHERS	DIMENSION	99*97*36	99*97*36mm (L*W*H)											
	PACKING	•	<u> </u>	(g/0.9CUF										
NOTE	Ripple & noise are measure     Tolerance : includes set up     Line regulation is measurec     Load regulation is measure     The power supply is consid     EMC directives. For guidan	arameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  e & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  ance: includes set up tolerance, line regulation and load regulation.  regulation is measured from low line to high line at rated load.  regulation is measured from 0% to 100% rated load.  bower supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."  vailable on http://www.meanwell.com)												



