



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°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

MODEL SPECIFICATION		RT-50A			RT-50B)			RT-50C			RT-50D		
	OUTPUT NUMBER	CH1	CH2	СНЗ	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	СНЗ
ОИТРИТ	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	24V	12V
	RATED CURRENT	4A	2A	0.5A	4A	2A	0.5A	4A	1.5A	0.5A	3A	1A	1A
	CURRENT RANGE	0.5 ~ 5A			0.5 ~ 5A			0.5 ~ 5A	0.2 ~ 2A	0.5A 0.1 ~ 1A	0.5 ~ 5A		
	RATED POWER	0.5 ~ 5A 0.2 ~ 2.5A 0.1 ~ 1A 46.5W		0.5 ~ 5A) 0.2 ~ 2.5A 0.1 ~ 1A) (50W)		50W		0.5 ~ 5A 0.2 ~ 1.5A 0.1 ~ 1A					
								80mVp-p 120mVp-p 120mVp-p			* * * * * * * * * * * * * * * * * * * *		
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V		
	VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3				±2.0% ±6.0% ±2.0%			±2.0% +8,-4% ±2.0%			±2.0% + 8,-4% ±6.0%		
	LINE REGULATION Note.4	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±2.0%	±2.0%
	LOAD REGULATION Note.5		±3.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±4.0%
	SETUP, RISE TIME							1.0%		1.0%	⊥1.0%	13.0%	14.0%
	HOLD UP TIME (Typ.)	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load 60ms/230VAC 10ms/115VAC at full load											
INPUT	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)											
	FREQUENCY RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage) 47 ~ 63Hz											
	EFFICIENCY (Typ.)	77%			77%			78%			80%		
	AC CURRENT (Typ.)		/AC 0	.8A/230VA									
	INRUSH CURRENT (Typ.)	1.3A/115VAC 0.8A/230VAC COLD START 36A/230VAC											
	LEAKAGE CURRENT	<2mA/240VAC											
	LEARAGE CONNENT												
PROTECTION	OVERLOAD	110 ~ 150% rated output power											
		Protection type: Hiccup mode, recovers automatically after fault condition is removed 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 output load 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	UL60950-1, TUV EN60950-1 approved											
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC											
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH											
EMC (Note 6)	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B											
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3											
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-6-2 (EN50082-2), heavy industry level, criteria A											
OTHERS	MTBF	169.2Khrs min. MIL-HDBK-217F (25°C)											
	DIMENSION	99*97*36mm (L*W*H)											
	PACKING	0.41Kg; 45pcs/19.5Kg/0.9CUFT											
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 0% to 100% rated load. 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) 												



