

Features:

- Universal AC input / Full range
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105℃ long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- Withstand 5G vibration test
- High efficiency, long life and high reliability



SPECIFICATION

MODEL		RD-85A		RD-85B	
	OUTPUT NUMBER	CH1	CH2	CH1	CH2
ОИТРИТ	DC VOLTAGE	5V	12V	5V	24V
	RATED CURRENT	8A	4A	8A	2A
		2 ~ 10A	0.3 ~ 5A	2~10A	0.3 ~ 2.5A
	RATED POWER Note.6			88W	
	RIPPLE & NOISE (max.) Note.2			80mVp-p 120mVp-p	
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±5.0%	±2.0%	±5.0%
		±0.5%	±1.0%	±0.5%	±1.0%
	LOAD REGULATION Note.5	±1.0%	±3.0%	±1.0%	±3.0%
	SETUP, RISE TIME	500ms, 20ms/230VAC 120	0ms, 30ms/115VAC at full load		•
	HOLD TIME (Typ.)	100ms/230VAC 18ms/115VAC at full load			
INPUT	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without dam		isec. Without damage)	
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY(Typ.)	78%		80%	
	AC CURRENT (Typ.)	2.5A/115VAC 1.5A/230VAC			
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC			
	LEAKAGE CURRENT	<2mA / 240VAC			
PROTECTION	OVER LOAD	110 ~ 150% rated output power			
		Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	01/50 1/0/51	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 & EMC (Note 7)	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			
	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	1,5,6,8,11; ENV50204, EN61000-	6-2 (EN50082-2) heavy industry	level, criteria A
OTHERS	MTBF	239.4Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	159*97*38mm (L*W*H)			
	PACKING	0.6Kg; 24pcs/15.4Kg/0.7CUFT			
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 20% to 100% rated load, and other output at 60% rated load. Each output can work within current range. But total output power can't exceed rated output power. 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. 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. 				

