

- 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
 - High operating temperature up to 70°C
 - Withstand 5G vibration test
 - High efficiency, long life and high reliability
 - 3 years warranty

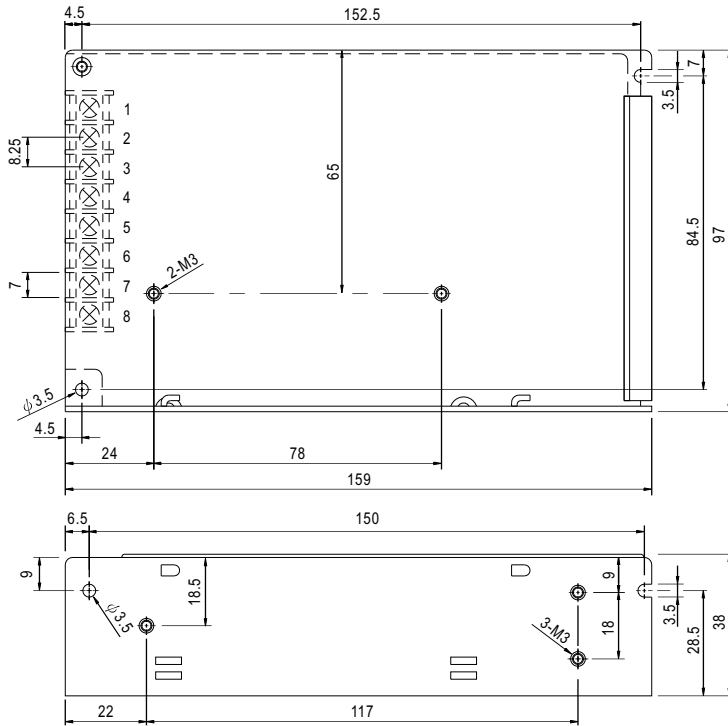


SPECIFICATION

MODEL	RQ-85B				RQ-85C				RQ-85D			
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	7A	3.1A	0.5A	0.5A	7A	2.5A	0.5A	0.5A	6A	2A	1A	0.5A
CURRENT RANGE <small>Note.6</small>	2 ~ 10A	0.3 ~ 4A	0 ~ 1A	0 ~ 1A	2 ~ 10A	0.3 ~ 4A	0 ~ 1A	0 ~ 1A	2 ~ 10A	0.3 ~ 4A	0.1 ~ 1.5A	0 ~ 1A
RATED POWER <small>Note.6</small>	80.7W				82.5W				84W			
RIPPLE & NOISE (max.) <small>Note.2</small>	80mVp-p	120mVp-p	100mVp-p	80mVp-p	80mVp-p	120mVp-p	100mVp-p	80mVp-p	80mVp-p	120mVp-p	150mVp-p	80mVp-p
VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V				CH1: 4.75 ~ 5.5V				CH1: 4.75 ~ 5.5V			
VOLTAGE TOLERANCE <small>Note.3</small>	±2.0%	+7,-3%	±8.0%	±5.0%	±2.0%	+3,-7%	±8.0%	±5.0%	±2.0%	+7,-3%	±8.0%	±5.0%
LINE REGULATION <small>Note.4</small>	±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 <small>Note.5</small>	±1.0%	±3.0%	±6.0%	±2.0%	±1.0%	±3.0%	±6.0%	±2.0%	±1.0%	±3.0%	±5.0%	±2.0%
SETUP, RISE TIME	500ms, 20ms/230VAC				1200ms, 30ms/115VAC at full load							
HOLD UP TIME (Typ.)	100ms/230VAC				18ms/115VAC at full load							
VOLTAGE RANGE	88 ~ 264VAC				125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)							
FREQUENCY RANGE	47 ~ 63Hz											
EFFICIENCY (Typ.)	76%				77%				78%			
AC CURRENT (Typ.)	2.5A/115VAC				1.5A/230VAC							
INRUSH CURRENT (Typ.)	COLD START 40A/230VAC											
LEAKAGE CURRENT	<2mA / 240VAC											
OVERLOAD	110 ~ 150% rated output power				Protection type : Hiccup mode, recovers automatically after fault condition is removed							
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 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											
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH											
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											
MTBF	206.8Khrs min. MIL-HDBK-217F (25°C)											
DIMENSION	159*97*38mm (L*W*H)											
PACKING	0.6Kg; 24pcs/15.4Kg/0.7CUFT											
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. 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. 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.											

Mechanical Specification

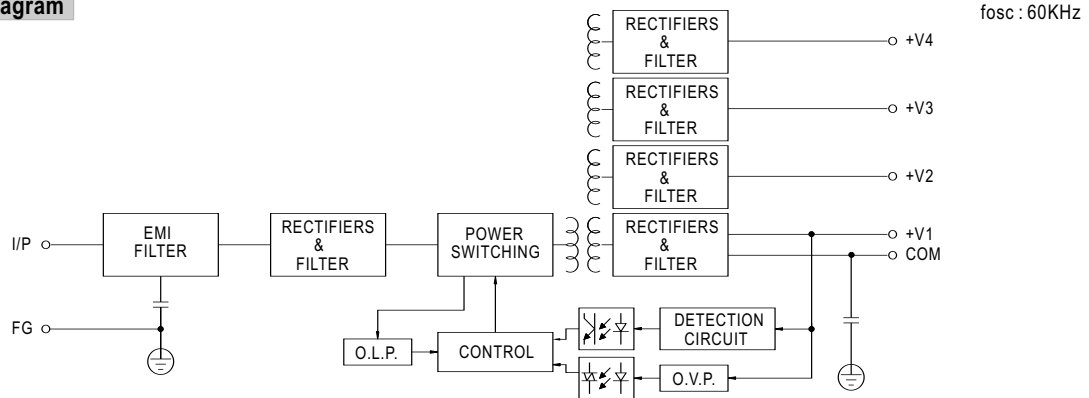
Case No. 901 Unit:mm



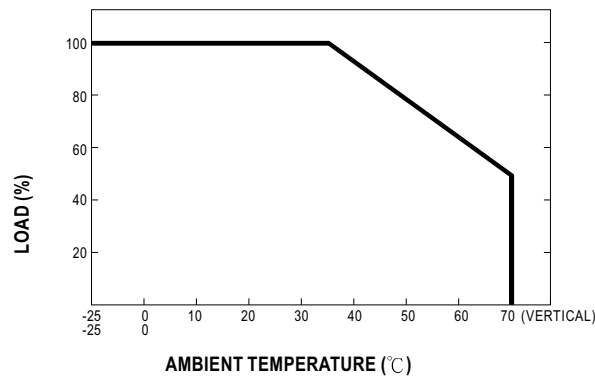
Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	5	DC OUTPUT V3
2	AC/N	6	DC OUTPUT +V2
3	FG \perp	7	DC OUTPUT COM
4	DC OUTPUT -V4	8	DC OUTPUT +V1

Block Diagram



Derating Curve



Static Characteristics

