



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



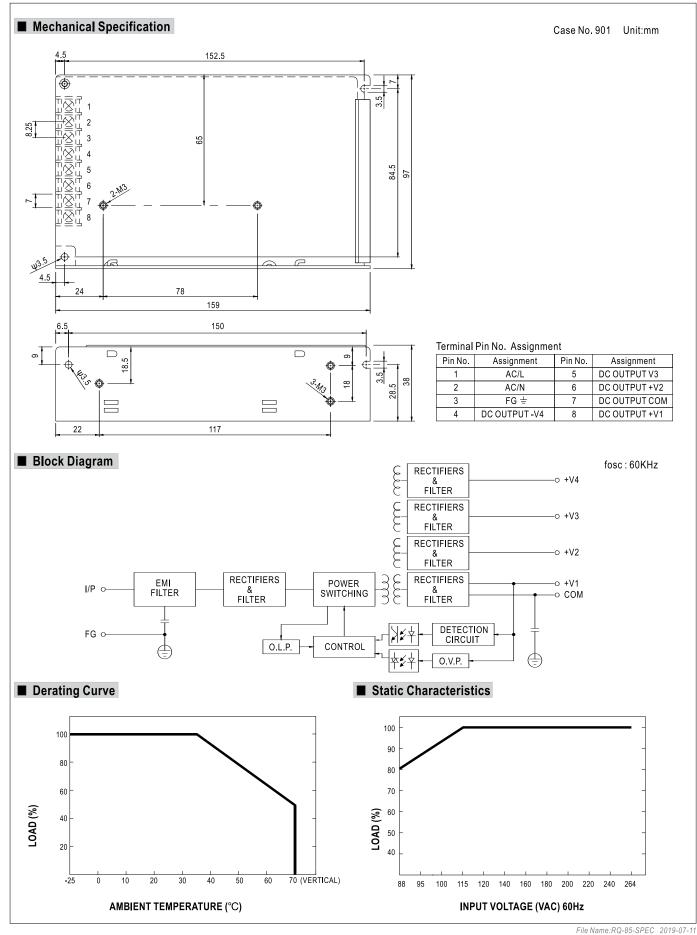
## SPECIFICATION

SPECIFIC	ATION								UL63	2368-1 E	N62368-1 IE	C62368-1 TPT	C004
MODEL		RQ-85B				RQ-85C				RQ-85D			
OUTPUT	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 Note.6	0~10A	0~4A	0~1A	0~1A	0~10A	0~4A	0~1A	0~1A	0~10A	0~4A	0~1.5A	0~1A
	RATED POWER Note.6	80.7W				82.5W				84W			
	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 150mVp-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%	+7,-3%	±8.0%	±5.0%	±2.0%	+3,-7%	±8.0%	±5.0%	±2.0%	+7,-3%	±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%	±5.0%	±2.0%
	SETUP, RISE TIME	500ms, 20	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load										
	HOLD UP TIME (Typ.)	100ms/230VAC 18ms/115VAC at full load											
INPUT	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/115	VAC 1	.5A/230VA	VC		!						
	INRUSH CURRENT (Typ.)	COLD START 50A/230VAC											
	LEAKAGE CURRENT	<2mA/24	<2mA / 240VAC										
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.			o "Derating									
			20 ~ 90% RH non-condensing										
	STORAGE TEMP., HUMIDITY		40 ~ +85°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT				utput								
	VIBRATION		±0.03%/°C (0 ~ 50°C)on +5V output 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 & EMC (Note 7)	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC 0/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 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	206.8Khrs min. MIL-HDBK-217F (25°C)											
	DIMENSION		8mm (L*W		2171 (20 0)								
	PACKING			g/0.7CUFT									
NOTE	<ol> <li>All parameters NOT special</li> <li>Ripple &amp; noise are measured</li> <li>Tolerance : includes set up</li> <li>Line regulation is measured</li> <li>Load regulation is measured</li> <li>Each output can work within</li> <li>The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p</li> <li>Length of set up time is me</li> <li>The ambient temperature do</li> </ol>	ed at 20MI tolerance, I from low d from 209 n current ra ered a cor te with 1m lease refe asured at	Iz of band line regula line to high % to 100% ange. But to nponent w nm of thick r to "EMI to cold first st	width by us ation and lo rated loace total output hich will be ness. The esting of co tart. Turnin	sing a 12" t bad regulation ted load. I, and other t power can e installed in final equipn component p g ON/OFF	wisted pair on. output at ( 't exceed r nto a final e nent must power supp the power	-wire term 60% rated rated outpu equipment be re-confi lies." supply ver	inated with load. It power. All the EN irmed that i y quickly n	a 0.1uf & 4 IC tests are it still meets nay lead to	47uf parall e been exe s EMC dire increase c	ecuted by i ectives. Fo	mounting th r guidance ıp time.	on how to

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## AC/DC Power Supply • Quad Output • 85W MEAN WELL RQ-85 Series



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