



65W Triple Output Switching Power Supply

RPT-65 series



■ Features :

- Universal AC input/Full range
- 12V or 24V high peak output current capability
- **Optional L-Bracket and cover**
- Low leakage current<1mA
- Protections:Short circuit/Over load/Over voltage
- 65W free air convection, 80W with 18CFM forced air
- 100% full load burn-in test
- Fixed switching frequency at 65KHz
- 2 years warranty



SPECIFICATION

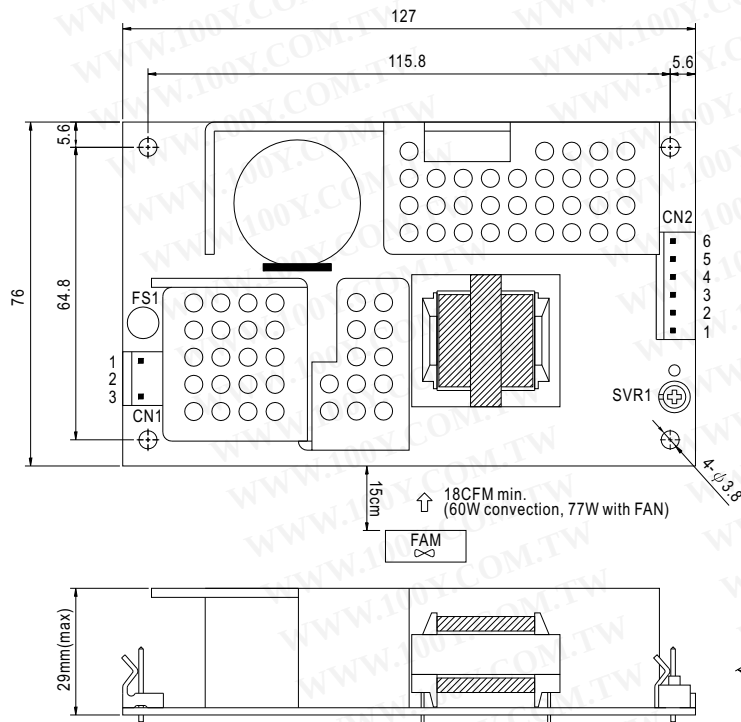
MODEL		RPT-65E			RPT-65F			RPT-65G			
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
	DC VOLTAGE	12V	5V	-5V	12V	5V	-12V	24V	5V	12V	
	RATED CURRENT	4.5A	1.2A	0.5A	4.5A	1.2A	0.5A	2.25A	1.2A	0.5A	
	CURRENT RANGE	0.18 ~ 5.8A	0 ~ 1.5A	0 ~ 0.7A	0.18 ~ 5.8A	0 ~ 1.5A	0 ~ 0.7A	0.09 ~ 2.9A	0 ~ 1.5A	0 ~ 0.7A	
	PEAK LOAD Note.4	7.5A	Rated load	Rated load	7.5A	Rated load	Rated load	3.75A	Rated load	Rated load	
	RATED POWER	62.5W			66W			66W			
	OUTPUT POWER (max.)	Rated output power for convection; 80W with 18CFM min. forced air									
	RIPPLE & NOISE (max.) Note.2	120mVp-p	100mVp-p	120mVp-p	150mVp-p	100mVp-p	150mVp-p	150mVp-p	50mVp-p	100mVp-p	
	VOLTAGE ADJ. RANGE	CH1:11.4 ~ 12.8V			CH1:11.4 ~ 12.8V			CH1:22.8 ~ 26.4V			
	VOLTAGE TOLERANCE Note.3	±2.0%	±5.0%	±5.0%	±2.0%	±5.0%	±5.0%	±2.0%	±5.0%	±5.0%	
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION	±2.0%	±5.0%	±5.0%	±2.0%	±5.0%	±5.0%	±2.0%	±5.0%	±5.0%	
	SETUP, RISE TIME	800ms, 20ms at full load									
	HOLD TIME (Typ.)	20ms at full load									
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~370VDC									
	FREQUENCY RANGE	47 ~ 440Hz									
	EFFICIENCY (Typ.)	77%					77%				81%
	AC CURRENT (Typ.)	1.5A/115VAC 0.9A/230VAC									
	INRUSH CURRENT (Typ.)	COLD START 25A/115VAC 50A/230VAC									
	LEAKAGE CURRENT	<1mA									
PROTECTION	OVER LOAD	90 ~ 125W output power Protection type : Hiccup mode, recovers automatically after fault condition is removed.									
	OVER VOLTAGE	CH1:13.8 ~ 16.2V				CH1:13.8 ~ 16.2V			CH1:27.6 ~ 32.4V		
		Protection type : Hiccup mode, recovers automatically after fault condition is removed.									
ENVIRONMENT	WORKING TEMP.	-20 ~ +60℃ (Refer to output load derating curve)									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.04%/℃ (0 ~ 50℃) on CH1 output									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes									
SAFETY & EMC (Note 4)	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 EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A									
OTHERS	MTBF	288.1K hrs min. MIL-HDBK-217F (25℃)									
	DIMENSION	PCB:127*76*28mm (L*W*H) with optional CASE:130*84.4*37mm (L*W*H)									
	PACKING	0.24Kg; 63pcs/16Kg/1.35CUFT									
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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. 10% duty cycle maximum within every second. Average output power should not exceed the rated power, output voltage above 90% DC voltage. 5. 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.										



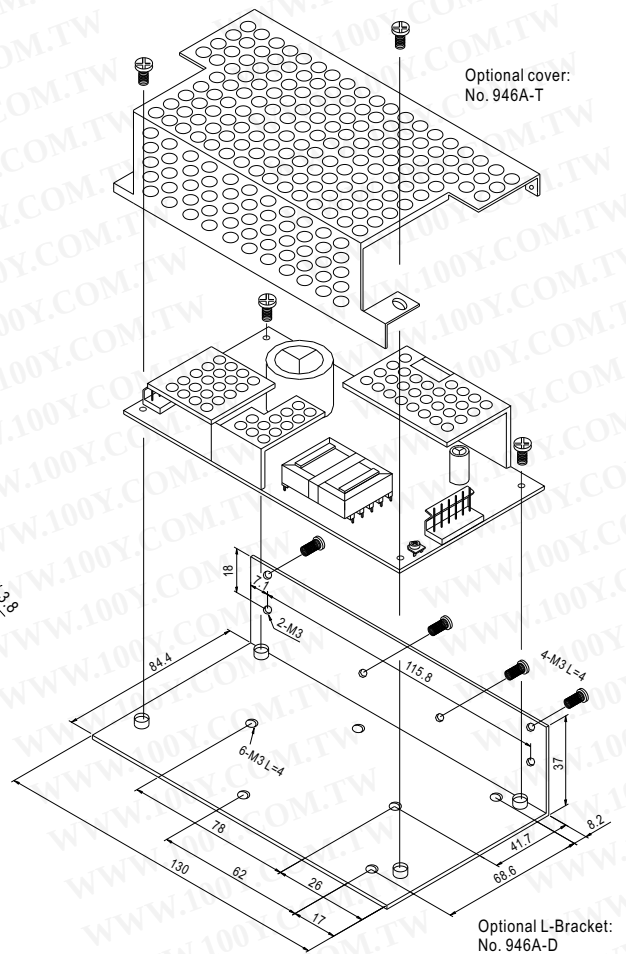
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Mechanical Specification



Case No. 946A Unit:mm



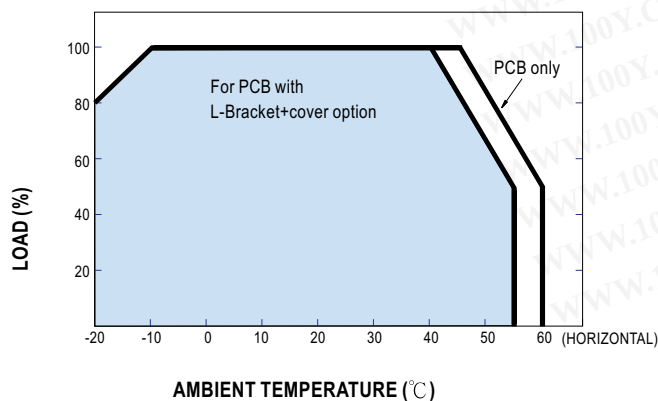
AC Input Connector (CN1) : Molex 5273-03 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/L	Molex 5195 or equivalent	Molex 5194 or equivalent
2	No Pin		
3	AC/N		

DC Output Connector (CN2) : Molex 5273-06 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1,2	V1	Molex 5195 or equivalent	Molex 5194 or equivalent
3,4	GND		
5	V2		
6	V3		

Output Derating



Output Derating VS Input Voltage

