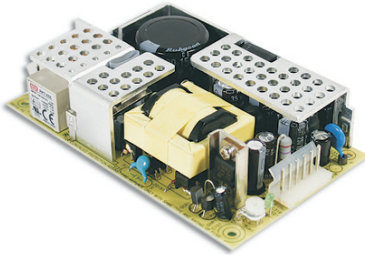


65W Triple Output Switching Power Supply

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

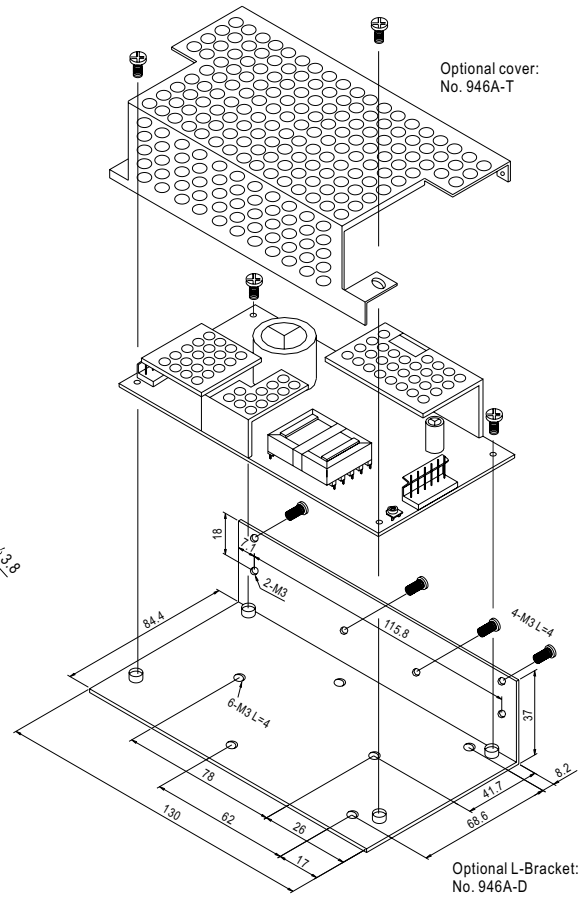
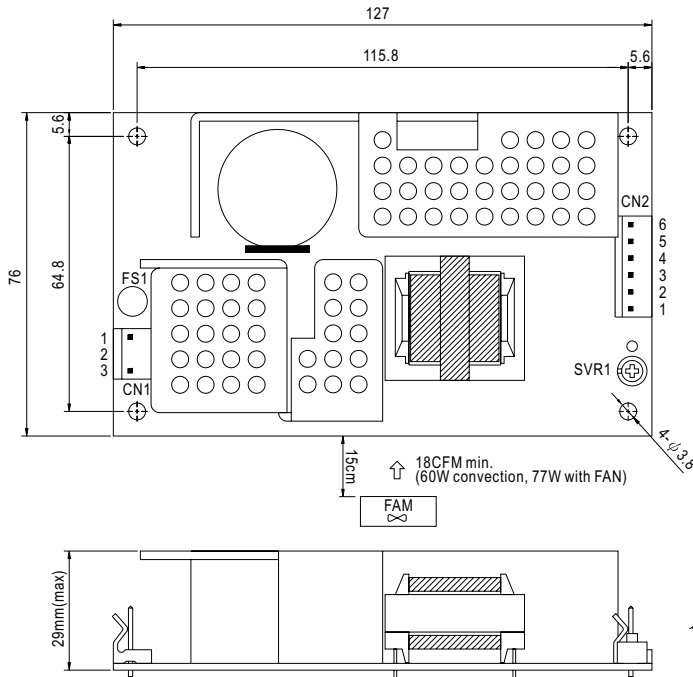


SPECIFICATION

MODEL	RPT-65E			RPT-65F			RPT-65G		
OUTPUT 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 <small>Note.4</small>	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.) <small>Note.2</small>	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 <small>Note.3</small>	±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								
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								
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.		
WORKING TEMP.	-20 ~ +60°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	±0.04%/°C (0 ~ 50°C) on CH1 output								
VIBRATION	10 ~ 500Hz, 2G 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								
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								
MTBF	288.1K hrs min. MIL-HDBK-217F (25°C)								
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°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. 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.								

Mechanical Specification

Case No. 946A Unit:mm



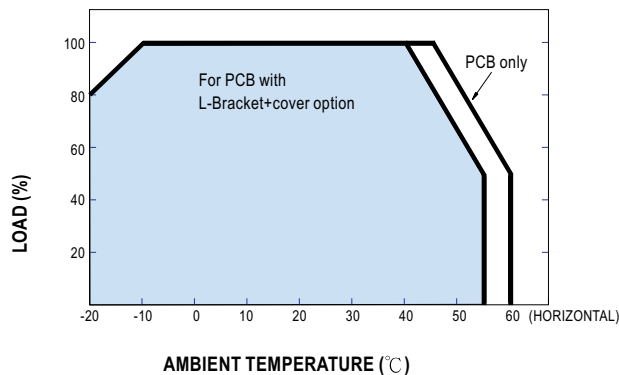
AC Input Connector (CN1) : Molex 5273-03 or equivalent

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

