



## ■ Features :

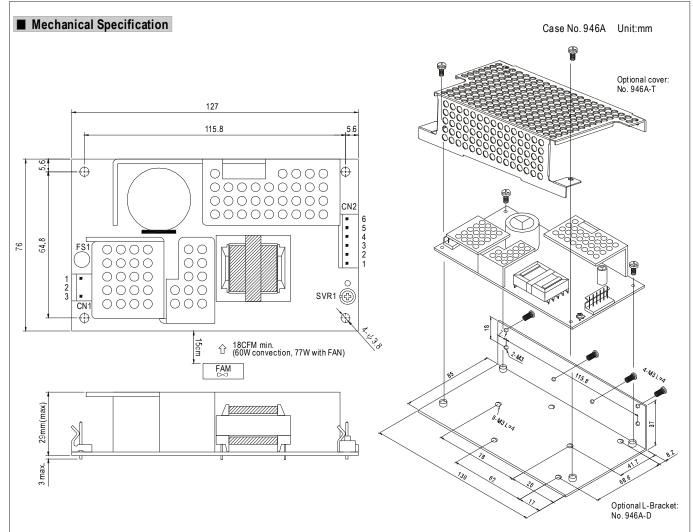
- Universal AC input/Full range
- 12V or 24V high peak output current capability
- Optional L-Bracket and cover (RPD-65x-C, x=C,D)
- Low leakage current<1mA
- Protections: Short circuit / Overload / Over voltage
- 60W free air convection, 77.1W with 18CFM forced air
- 100% full load burn-in test
- Fixed switching frequency at 65KHz
- 2 years warranty

## **SPECIFICATION**



MODEL		RPD-65C		RP D-65D			
	OUTPUT NUMBER	CH1	CH2	CH1	CH2		
	DC VOLTAGE	12V	5V	24V	5V		
	RATED CURRENT	4.5A	1.2A	2.25A	1.2A		
	CURRENT RANGE	0 ~ 5.8A	0~1.5A	0~2.9A	0 ~ 1.5A		
	PEAK LOAD Note.4	7.5A	Rated load	3.75A	Rated load		
	RATED POWER	60W		60W			
OUTPUT	OUTPUT POWER (max.)	Rated output power for convection; 77.1W with 18CFM min. force		d air			
	RIPPLE & NOISE (max.) Note 2	120 mVp-p	50mVp-p	150mVp-p	50mVp-p		
	VOLTAGE ADJ. RANGE	CH1:11.4 ~ 12.8V		CH1:22.8 ~ 26.4 V			
	VOLTAGE TOLERANCE Note.3	±2.0%	±5.0%	±2.0%	±5.0%		
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%		
	LOAD REGULATION	±2.0%	±5.0%	±2.0%	±5.0%		
	SETUP, RISE TIME	800ms, 20ms at full load					
	HOLD UP TIME (Typ.)	20ms at full load					
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~370VDC					
	FREQUENCY RANGE	47 ~ 440Hz					
	EFFICIENCY (Typ.)	79%		81%			
	AC CURRENT (Typ.)	1.5A/115VAC 0.9A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 25A/115VAC 50A/230VAC					
	LEAKAGE CURRENT	<1mA					
	OVERLOAD	90 ~ 125W output power					
PROTECTION		Protection type: Hiccup mode, recovers automatically after fault condition is removed.					
INDILCTION	OVER VOLTAGE	CH1:13.8 ~ 16.2V		CH1:27.6 ~ 32.4V			
	OVERVOLINGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed.					
	WORKING TEMP.	-20 ~ +60°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	20 ~ 90% RH non-condensing				
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	$\pm 0.04\%$ 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					
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH					
(Note 5)	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A					
·	MTBF	288.1K hrs min. MIL-HDBK-217F (25°C)					
OTHERS	DIMENSION	PCB:127*76*29mm (L*W*H); with optional CASE:130*85*37mm (L*W*H)					
	PACKING	PCB:0.24Kg; 63pcs/16Kg/1.35CUFT; with optional CASE:0.47Kg;32pcs/16Kg/0.64CUFT					
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>10% duty cycle maximum within every second. Average output power should not exceed the rated power, output voltage above 90% DC voltage.</li> <li>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)     </li> </ol>						





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

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

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

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

## ■ Block Diagram

