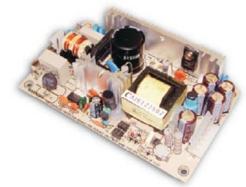


FEATURES

- 2 Year Warranty
- 100% Full Load Burn-In Test
- Universal AC Input/ Full Range
- Cooling by Free Air Convection
- Low Leakage Current < 0.75mA
- Fixed Switching Frequency at 65KHz
- Short Circuit, Overload, and Over Voltage Protected





SPECIFICATIONS: PSPD45 Serie	9S					
All specifications are bas	ed on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.					
	erve the right to change specifications based on technological advances.					
INPUT SPECIFICATIONS						
Input Voltage	90 – 264VAC (127 – 370VDC)					
Input Frequency	47 ~ 440Hz					
AC Current (typical)	1A @ 115VAC 0.7A @ 230VAC					
Inrush Current (typical)	15A @ 115VAC 30A @ 230VAC cold start.					
Leakage Current	< 0.75mA					
OUTPUT SPECIFICATIONS						
Output Voltage	See Table					
Output Voltage Tolerance (See Note 3)	CH 1: ±4.0% CH 2: ±7.0%					
Voltage Adjustment Range	CH 1: 4.75 ~ 5.5V					
Output Power	Rated output power for convection; 52W with 18CFM min. forced air.					
Line Regulation	CH 1: ±1.0% CH 2: ±2.0%					
Load Regulation	CH 1: ±3.0% CH 2: ±4.0%					
Output Current	See Table					
Ripple & Noise (See Note 2)	See Table					
Setup, Rise Time	800ms, 20ms at full load					
Hold Up Time	60ms at full load					
Temperature Coefficient	±0.04%/°C (0~50°C) on +5V output.					
PROTECTION						
Over Voltage Protection	5.75 ~ 6.75VDC on CH 1					
- Tollago Frotosion	Protection Type: Hiccup mode, recovers automatically after fault condition is removed.					
Overload Protection	53 ~ 75W rated output power Protection Type: Hiccup mode, recovers automatically after fault condition is removed.					
GENERAL SPECIFICATIONS	Trotection Type: Fliccup floue, recovers automatically after fault condition is removed.					
Switching Frequency (fixed)	65KHz					
Efficiency (typical)	See Table					
Withstand Voltage	3KVAC (input to output), 1.5KVAC (input to FG), 0.5KVAC (output to FG).					
Isolation Resistance	100MΩ / 500VDC (input to output, input to FG, output to FG)					
ENVIRONMENTAL SPECIFICATIONS	100M127 000 V D O (input to output, input to 1 O, output to 1 O)					
Working Temperature	-10°C to +60°C (refer to output load derating curve)					
Storage Temperature	-20°C to +85°C					
Working Humidity (non-condensing)	20% ~ 90% RH non-condensing					
Storage Humidity (non-condensing)	10% ~ 95% RH					
Vibration	10% ~ 95% RH 10~500Hz, 2G 10min./1cycle, Period for 60 minutes each along X, Y, and Z axes.					
MTBF	288,100 hours min. MIL-HDBK-217 (25°C)					
PHYSICAL SPECIFICATIONS	200, 100 Hours Hills. WILE-HODIC-217 (20 0)					
Weight	10 oz.					
Dimensions						
Warranty	127(L) x 76(W) x 28(H) mm 2 years					
SAFETY & EMC						
	III 60050-1 TUV FN60050-1 Approved					
Safety Standards EMI Conduction and Radiation	UL60950-1, TUV EN60950-1 Approved					
Harmonic Current	Compliance to EN55022 (CISPR22) Class B					
EMS Immunity	Compliance to EN61000-3-2,3					
LIVIO IIIIIIUIIILY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A.					



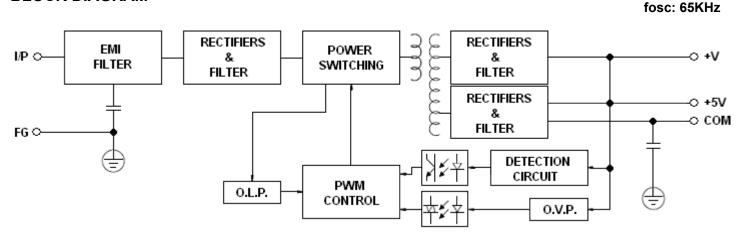
OUTPUT VOLTAGE / CURRENT RATING CHART

	Мо	del	Input Voltage	Output Voltage	Rated Current	Current Range	Ripple & Noise	Output Power	Efficiency
	PSPD-45A	Channel 1		5 VDC	3.2A	0.4 ~ 5A	50mVp-p	40W	77%
		Channel 2	90 ~ 264 VAC	12 VDC	2A	0.2 ~ 2.5A	120mVp-p		
I	PSPD-45B	Channel 1	(127 ~ 370 VDC)	5 VDC	3.2A	0.4 ~ 5A	50mVp-p	44.8W	78%
	F3FD-43B	Channel 2		24 VDC	1.2A	0.2 ~ 1.8A	150mVp-p	44.000	7070

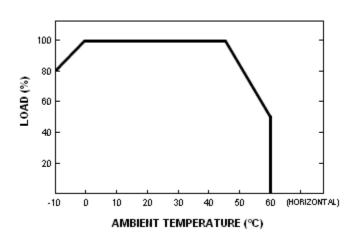
NOTES

- 1. All parameters not specially mentioned are measured at 230VAC input, rated load, and 25°C ambient temperature.
- 2. Ripple & noise are measured at 20MHz using a 12" twisted pair-wire terminated with 0.1uF & 47uF capacitors in parallel.
- 3. Tolerance: includes set up tolerance, line regulation, and load regulation.
- 4. The power supply is considered a component, which will be installed into final equipment. The final equipment must be reconfirmed that it still meets EMC directives.
- 5. Mounting holes M1 and M2 should be grounded for EMI purposes.

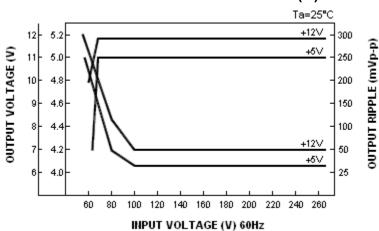
BLOCK DIAGRAM



DERATING CURVE



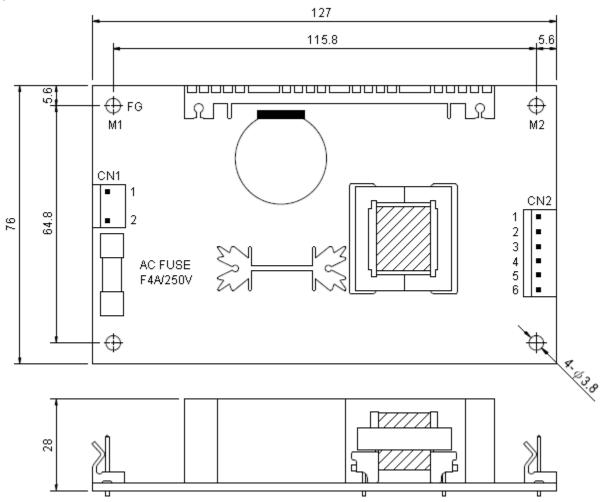
STATIC CHARACTERISTICS (A)





MECHANICAL DRAWING

Unit: mm



AC INPUT CONNECTOR (CN1)					
Pin. No	Assignment				
1	AC/N				
2	AC/L				

DC OU	DC OUTPUT CONNECTOR (CN2)					
Pin No.	Assignment					
1	+V					
2,3	+5V					
4,5	СОМ					
6	NC					