

# PS-0512P

## 5A Switching Power Supply



Parameter		Description		
OUTPUT	OUTPUT NUMBER	CH1	CH2	
	DC VOLTAGE	13.8V	13.8V	
	RATED CURRENT	5A	0.8A	
	CURRENT RANGE	0~5.8A	---	
	RATED POWER		80W	
	RIPPLE & NOISE (max.)	120mVp-p	---	
	VOLTAGE ADJ. RANGE		CH1:12.5~14.2V	
	VOLTAGE TOLERANCE	±1.0%	---	
	LINE REGULATION	±0.5%	---	
	LOAD REGULATION	±0.5%	---	
	SETUP, RISE TIME Note.	2000ms, 30ms/230VAC	3000ms, 30ms/115VAC	at full load
	HOLD UP TIME (Typ.)	40ms/230VAC	40ms/115VAC	at full load
	VOLTAGE RANGE		100 ~ 240VAC	
	FREQUENCY RANGE	47 ~ 63Hz		
INPUT	POWER FACTOR (Typ.)		0.5	
	EFFICIENCY (Typ.)		83%	
	AC CURRENT (Typ.)		1.5A/115VAC 1A/230VAC	
	INRUSH CURRENT (Typ.)		COLD START 35A/115VAC 70A/230VAC	
	LEAKAGE CURRENT		<1mA / 240VAC	
PROTECTION	OVERLOAD	105 ~ 150% rated output power		
		Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE		CH1:15 ~ 18V	
	Protection type : Shut down o/p voltage, re-power on to recover			
	BATTERY CUT OFF		10±1V	
ENVIRONMENT	WORKING TEMP.	-20 ~ +60°C(Refer to "Derating Curve")		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDIT	-20 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C(0~45°C) on CH1 output		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
SAFETY & EMC	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2.0KVAC O/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 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		
OTHERS	MTBF	257K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	Enclosed type:130*98*38mm (L*W*H)		