

PS-0312P

3A Switching Power Supply



Parameter	Description		
OUTPUT	OUTPUT NUMBER	CH1	CH2
	DC VOLTAGE	13.8V	13.8V
	RATED CURRENT	3A	0.8A
	CURRENT RANGE	0~3.8A	---
	RATED POWER		50W
	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.)		1A/115VAC 0.5A/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:110*77*36mm (L*W*H)	