



Features:

- +WIDE AC input / 160-264VAC
- +Optional active PFC function
- Can us as 2 Stage battery Charger
- Protection: Short circuit / Overload / Over Voltage
- Protection by internal fuse
- Thermo On/Off control Fan, Charging Fan
- +Optional Relay contact signal output for AC OK
- +Optional Remote ON-Off control
- +Optional active current sharing up to (1+1)
- Cooling by free air convection(400W)
- 100% full load burn-in test
- 2 years warranty

Applications:

- Security systems
- Emergency Lighting system
- Alarm system
- UPS system
- Central monitoring system
- Access systems



750-220PSU series is a 600W AC/DC security power supply, allowing the input range between 170VAC and 264VAC and incorporating optional PFC function. In addition to primary output, there is a charger output, with the smaller rated current, that provides the backup power supply application the security access system require.

750-220PSU delivers an efficiency up to 90%; It can operate with air convection under -20°C through +70°C. This series is designed with thorough alarm features, can adding AC OK signaling; Moreover, the relay contact is provided to facilitate users system designs.

MODEL :

48VDC : 750-220S48

110VDC: 750-220S110

220VDC: 750-220S220 (CAN BE ORDERED)



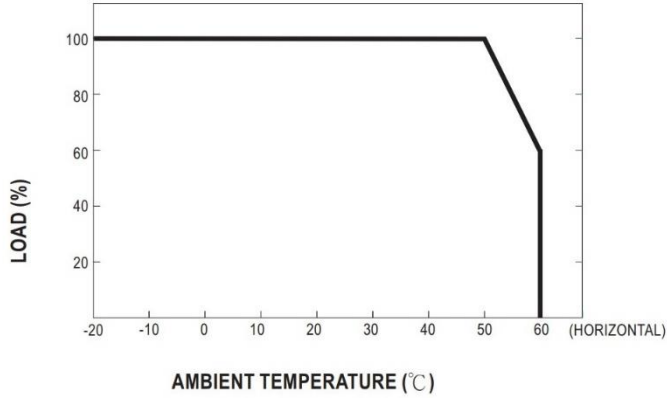
750W Power Supply with CONSTANT CURRENT FEATURES

750-220PSU

MODEL	750-220PSU12	750-220PSU24	750-220PSU48	750-220PSU110
OUTPUT	OUTPUT NUMBER	CH1	CH1	CH1
	DC VOLTAGE	12.0V	24.0V	48.0V
	RATED CURRENT	62A	30A	15.5A
	CURRENT RANGE	0-55A	0-30A	0-15.5A
	RATED POWER	650W	700W	700W
	RIPPLE & NOISE(Note2)	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	CH1 : 12~15V	CH1 : 24~29V	CH1 : 47~59V
	VOLTAGE TOLERANCE(Note2)	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±0.5%
SETUP,RISE TIME Note.4	2000ms, 30ms/230VAC2000ms at full Load			
HOLD UP TIME	40ms/230VAC at full Load			
INPUT	VOLTAGE RANGE	175~265VAC		
	FREQUENCY RANGE	47~63Hz		
	POWER FACTOR (Typ.)	Without PFC circuit PF≥0.65/230VAC at full Load		
	EFFICIENCY (Typ.)	84%	86%	87%
	AC CURRENT (Typ.)	12A/115VAC	8A/230VAC	
	INRUSH CURRENT (Typ.)	COLD START 35A/115VAC 80A/230AC		
	LEAKAGE CURRENT	≤1mA/240VAC		
PROTECTION	OVERLOAD	101~105% rated output power Protection type: Constant current Limiting , recovers automatically after fault condition is removed		
	OVER VOLTAGE	14.49~18.63VDC	28.98~37.26VDC	55.49~60.63VDC
		Protection type: Shut down o/p voltage , re-power on to recover		
OVER TEMP CONTROL				
ALARM FUNCTION	AC OK Note.5	OPTIONAL Relay contact output, ON : AC Okay ; OFF : AC Fail ; Max Rating : 30V-1A		
	Remote On/Off control	OPTIONAL Normal working CN3 is open, PSU is off if CN3 is short		
ENVIRONMENT	WORKING TEMP.	-20~+70°C REFER TO DERATING CURVE		
	WORKING HUMIDITY	20~90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-20~+85°C , 10~90% RH		
	TEMP. COEFFICIENT	±0.03% /°C (0~45°C) on CH1 Output		
	VIBRATION	10~500Hz 2G 10min./ 1cycle, 60min each along X,Y,Z		
SAFETY & EMC (NOTE4)	SAFETY STANDARD	UL60950-1, TUV EN60950-1, EAC TP TC 004 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 : 100MΩ / 500VDC / 25°C / 70%RH		
	EMC EMISSION	Compliance EN55032 (CISPR32) Class B, EN61000-3-2, -3, EAC TP TC 020		
EMC IMMUNITY	Compliance 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	250*130*64mm		
	PACKING	2.3Kg; 6pcs/14 Kg		
NOTE	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temp Ripple & noise are measured at 20MHz of bandwidth by using 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor Tolerance: includes set up tolerance. Line regulation and load regulation. Length of set up time is measured at first cold start. Tuning ON/OFF the power supply may lead to increase of the set up time., Please refer to suggested application The power supply is considered a component which will be installed into 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 components power supplier The ambient temp derating of 3.5°C/1000m with fan less model and 5°C/1000m with fan model for operating altitude higher than 2000m.			



Derating Curve



Output Derating VS Input Voltage

