

PW-230AC48-320-UK

AC/DC CONVERTER TO 48VDC

■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC Fan
- Built-in fan speed control
- Fixed switching frequency at 100KHz



SPECIFICATION

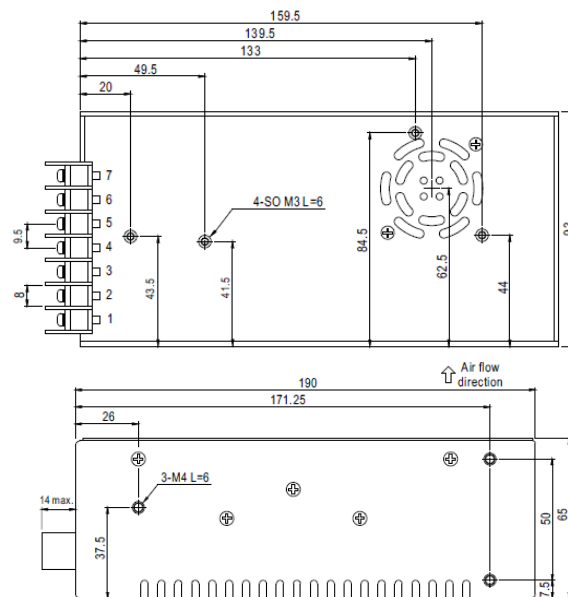
MODEL		PW-230AC48-320-UK	
OUTPUT	DC VOLTAGE	48V	
	RATED CURRENT	6.7A	
	CURRENT RANGE	0 ~ 6.7A	
	RATED POWER	321.6W	
	RIPPLE & NOISE (max.)	240mVp-p	
	VOLTAGE ADJ. RANGE	41 ~ 56V	
	VOLTAGE TOLERANCE	± 1.0%	
	LINE REGULATION	± 0.2%	
	LOAD REGULATION	± 0.5%	
	SETUP, RISE TIME	800ms, 50ms/230VAC	2500ms, 50ms/115VAC at full load
INPUT	HOLD UP TIME (Typ.)	16ms/230VAC	16ms/115VAC at full load
	VOLTAGE RANGE	88 ~ 264VAC	
	FREQUENCY RANGE	47 ~ 63Hz	
	POWER FACTOR (Typ.)	PF>0.95/230VAC	PF>0.98/115VAC at full load
	EFFICIENCY (Typ.)	89%	
	AC CURRENT (Typ.)	115VAC 2.5A	5A
		230VAC 1.5A	2.5A
PROTECTION	INRUSH CURRENT (Typ.)	20A/115VAC	40A/230VAC
	LEAKAGE CURRENT	<1mA / 240VAC	
	OVERLOAD	105 ~ 135% rated output power	
PROTECTION	OVER VOLTAGE	57.6 ~ 67.2V	
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down	
	WORKING TEMP.	-20 ~ +65°C (Refer to "Derating Curve")	
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60950-1 approved	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC 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 EN55032 (CISPR32) Class B, EN61000-3-2,-3	
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A	
	MTBF	207K hrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	215*115*50mm (L*W*H)	
	PACKING	1.1Kg; 12pcs/14Kg/0.9CUFT	

ACDC Converter

SPECIFICATIONS NOTES

■ Mechanical Specification

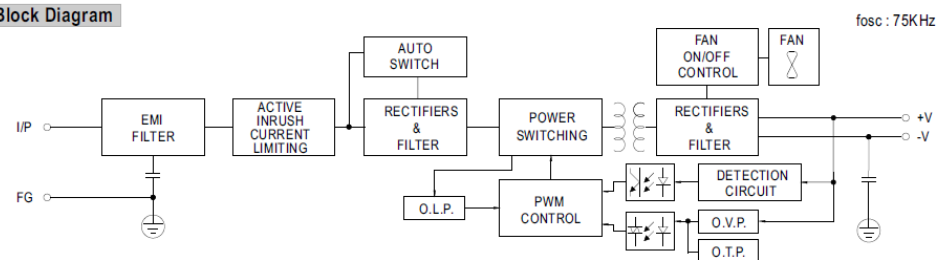
Case No. 911 Unit:mm



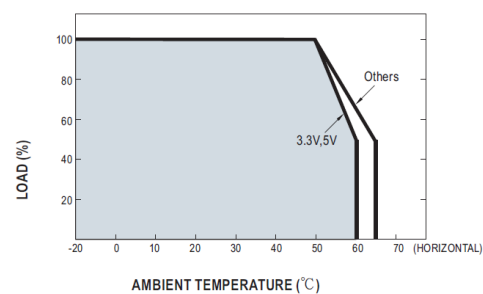
Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG		

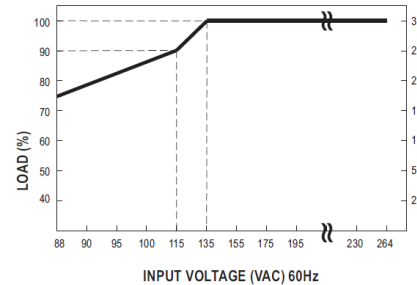
■ Block Diagram



■ Derating Curve



■ Static Characteristics (24V)



PW-230AC48-320-UK REFERENCES



CXR
17 Rue de l'Ormette
28410 Abondant - France

T +33 (0) 237 62 87 90
email: contact@cxr.com

PW-230AC48-320-UK

240W AC Input: 88~264VAC / DC Output: 48VDC / 6.7A_320W
Temperature: -30~+70C. Converter with UK power cord. metal enclosure to protect cable, with FAN . No LSZH (Low Smoke Zero Halogene) cable.

PW-230AC48-320-UK-LSZH

240W AC Input: 88~264VAC / DC Output: 48VDC / 6.7A_320W
Temperature: -30~+70C. Converter with UK power cord. metal enclosure to protect cable, with FAN .Compliant LSZH (Low Smoke Zero Halogene) cable.