



RoHS

Key features

- Low ripple and noise
- Over load protection ,short circuit protection
- High efficiency,high density,fine quality
- Industrial design
- 100% test and work
- 3 Years product warranty

X series --- a bare plate special power supply offered by Zhongyiguang. The output power of this series module power supply is 60 W, with the size (102*87*26mm) and isolated pressure up to 4kv,etc. The product is safe and reliable, which has a good EMC. EMC and safety specifications meet the UL1012,EN60950,UL60950 and other related standards. This series of products are widely used in smart home, high-end decorative lighting, medical, industrial, office and civil industries, such as applied to a relatively harsh environment electromagnetic compatibility must refer to the application circuit.

Electrical specifications

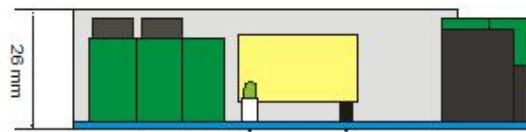
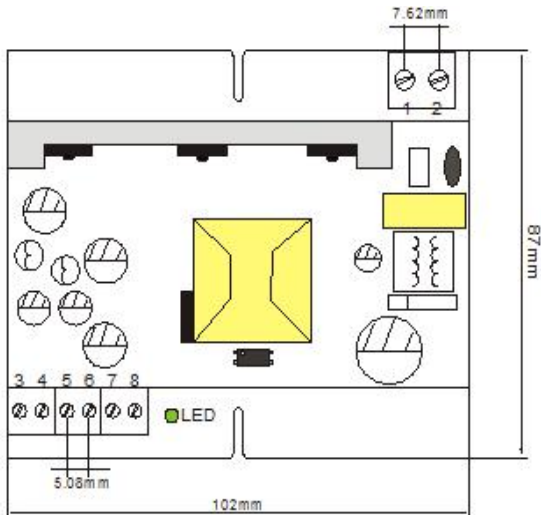
Model	Input voltage	Output Power(W)	Output voltage(V)	Output current(A)	Ripple(mv)	Efficiency (%)
X-1500	175-264	60	V ₁ =12	I ₁ =2	100	82
			V ₂ =12	I ₂ =1	100	
			V ₃ =24	I ₃ =1	200	
X-1501	175-264	48	V ₁ =12	I ₁ =2	100	83
			V ₂ =12	I ₂ =2	100	

General features

Protection	Over-voltage, over-current and short circuit protection, automatic recovery after troubleshooting	
Work environment	Operating Temperature	-40 ~ +70 °C (According to the output load reduction curve)
	Humidity	85% .RH max
	Storage Temperature	-40 ~ +85, 10 ~ 95% RH
	Temperature coefficient	0.03%/ (0~ 50°C)
	Vibration coefficient	10~500Hz,2G10min./1cycle, 60min.each along X,Y,Z axes
Safety and EMC (Note:3)	Safety Standard	Conform to UL1012,EN60950,UL60950
	I/O-Isolation voltage	I/P-O/P:3KVAC
	Isolation resistance	I/P-O/P>100M Ohms/500VDC 25°C 70% RH
	EMI / RFI conducted	EN55011, EN55022 (CISPR22) CLASS B
	ESD	IEC/EN 61000-4-2 level 4 8kV/15kV
	RF	IEC/EN 61000-4-3 level 4
	EFT	IEC/EN 61000-4-4 level 4 4kV
Others	SURGE	IEC/EN 61000-4-5 level 4 2kV/4kV
	MTBF	1000K hrs min. MIL-HDBK-217F(25)
	Dimension	102*87*26mm (L*W*H)

Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor
	3. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives

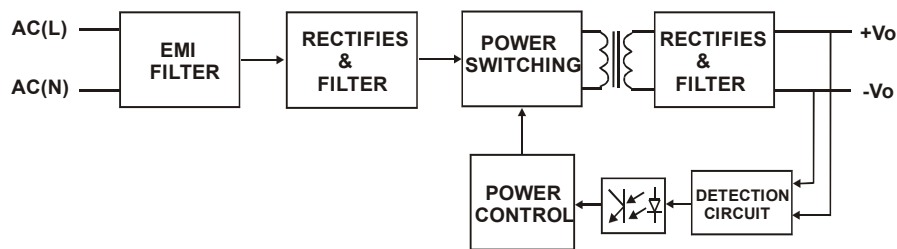
Dimension



Unit : mm

Unmarked tolerance size : ± 0.1 mm

Block diagram



Zhongyiguang Guangzhou Technology Ltd

✉ : vice@zygkj.com

☎ : +86(20) 3287 4481 / 2292 1551

📍 : NO.2, building 4, NO.8, DouTang Road, YongHe Economic Zone, GuangZhou City, P. R. China