



鑫威达® 电源



KARUIDY 凯瑞电源

型号/Ourmodel/HXF-100A-12

客户/Customer:

日期/Date:2015-6-24

SPECIFICATION FOR APPROVAL

Switching power Supply

CUSTOMER: _____

DESCRIPTION: Input:200~240Vac 50/60Hz Output:12VDC8.33A

OUR MODEL NO: _____ HXF-100A-12 _____

SAMPLENO: _____ DATE: 2015-6-24

SAMPLE COLOR:Black

White

| APPROVAL SIGNATURE | | |
|--------------------|------------|-----------|
| APPROVED BY | CHECKED BY | TESTED BY |
| | | |

| Manufacturer | | |
|--------------|-------------|-------------|
| SALES | APPROVED BY | DESIGNED BY |
| | He Shuilin | Sun Pingfan |

Xiangtan City Huaxin Electronic Technology Co., Ltd .



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ADD: No.2,Gaoling Raod, Yuhu District, Xiang tan City, Hu nan, CHINA.

| Rev. List | | | |
|-----------|-----------|-------------|-------------|
| Rev. | Date | Description | Design |
| 01 | 2015-6-24 | /New Rev. | Sun Pingfan |
| | | | |
| | | | |
| | | | |
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1、 DESCRIPTION:

This specification is adapted to the HXF-100A-12 models of switching power supply.

2、 NPUT CHARACTERISTICS:

2.1 Rated Input Voltage:200Vac~240Vac

2.2 Rated Input Frequency:50/60Hz.

2.3 Input Current:

1.2Amps max At any input voltage and rated, DC output rated load.

2.4 Inrush Current:

50 Amps Max. Cold start at 240Vac input, with rated load and 25°C ambient.

2.5 Ac Leakage Current:

3.5mA Max.At240Vac input.

3、 OUTPUT CHARACTERISTICS:

3.1 Power output

| Voltage | Min. Load | Rated. Load | Peak@10mS | Output power |
|---------|-----------|-------------|-----------|--------------|
| 12VDC | 0A | 8.33A | 120W | 100W |

3.2 Combined Load/Line Regulation

| Voltage | Min. Load | Rated. Load | Line Regulation | Load Regulation |
|---------|-----------|-------------|-----------------|-----------------|
| 12VDC | 0A | 8.33A | ±3% | ±5% |

3.3 Ripple and Noise:



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Under nominal voltage and nominal load,the ripple and noise are as follows when measure with Max.Bandwidth of 20MHz and Parallel 47uF/0.1uF,crossed connected at testing point.

Voltage _____ Ripple and Noise(Max.)

12VDC 200mV p-p

3.4 Turn on delay time:

2 Second Max.at 220Vac input and output Max.load.

3.5 Rise time:

40 mS Max.at 220Vac input and output Max load.

3.6 Efficiency:

80% Min, At 220Vac input voltage and full load calculation efficiency.

3.7 Overshoot:

5% Max. When power supply at turn on or turn off.

4、PROTECTION FUNCTION:

4.1 Short circuit protection:

The power supply will be auto recovered when short circuit faults remove.

4.2 Over current Protection:

The power supply will be auto recovered when over current faults remove.

5、ENVIRONMENTAL REQUIREMET:

5.1 Operating Temperature:

0°C to 40°C, Full load, Normal operation.

5.2 Storage Temperature:-20°C to 80°C

With package

5.3 Relative Humidity:

5%(0°C)~90%(40°C)RH,72Hrs, Full load, Normal operating.

5.4 Vibration:

1. Operating: IEC 721-3-3 3M3

5~9Hz, A=1.5mm

(9~200Hz, Acceleration 5m/S²)

2. Transportation:

IEC 721-3-2 2M2

5-9Hz, A=3.5mm



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9~200Hz,Acceleration=5m/S²

200~500Hz,Acceleration=15m/S²

3. Axes,10 cycles per axis.

No permanent damage may occur during testing.

The SAMPLE has to restore to its original situation after power off/on..

5.5 Dropping Packed:

Desktop instrument for testing 600mm /-10mm, wooden floors.

6、EMI/SAFETY AND EMI REQUIREMENT:

6.1Safety: Design by IEC60950 standard.

6.2DIELECTRIC STRENGTH Hi-Pot:

Primary to secondary:1200Vac/10mA/60S for type test.

Primary to case:1200Vac/10mA/60S for type test.

Secondary to case:300Vac/10mA/60S for type test.

6.3Insulation resistance:

Primary to secondary:10MΩ min at 500V DC.

6.4 EMI STANDARD

Designed according to the following standards

<1>.Fcc class B rules

<2>.EN55022 class B rules

<3>.GB9254-1998,GB17625.1-2003

※ Conditions to ensure product performance in line with this acknowledgment, the Company reserves the right to make changes to optimize product circuits and components.

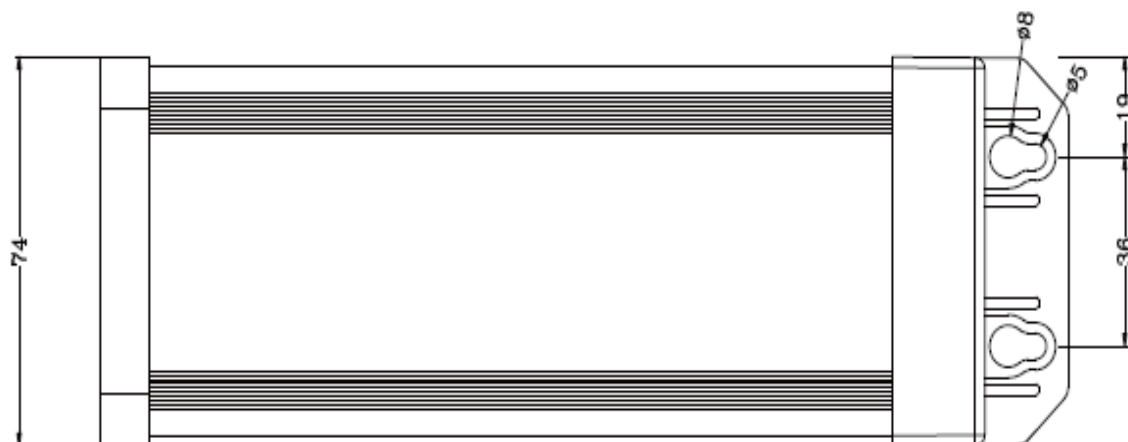
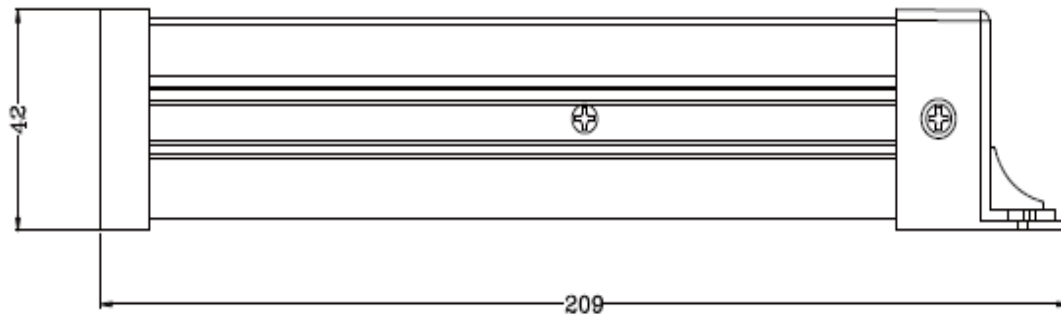


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7、 MECHANICAL REQUIREMENT:





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8、PRODUCT PHOTO



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HX-200-5包装.p
9、PACKING:



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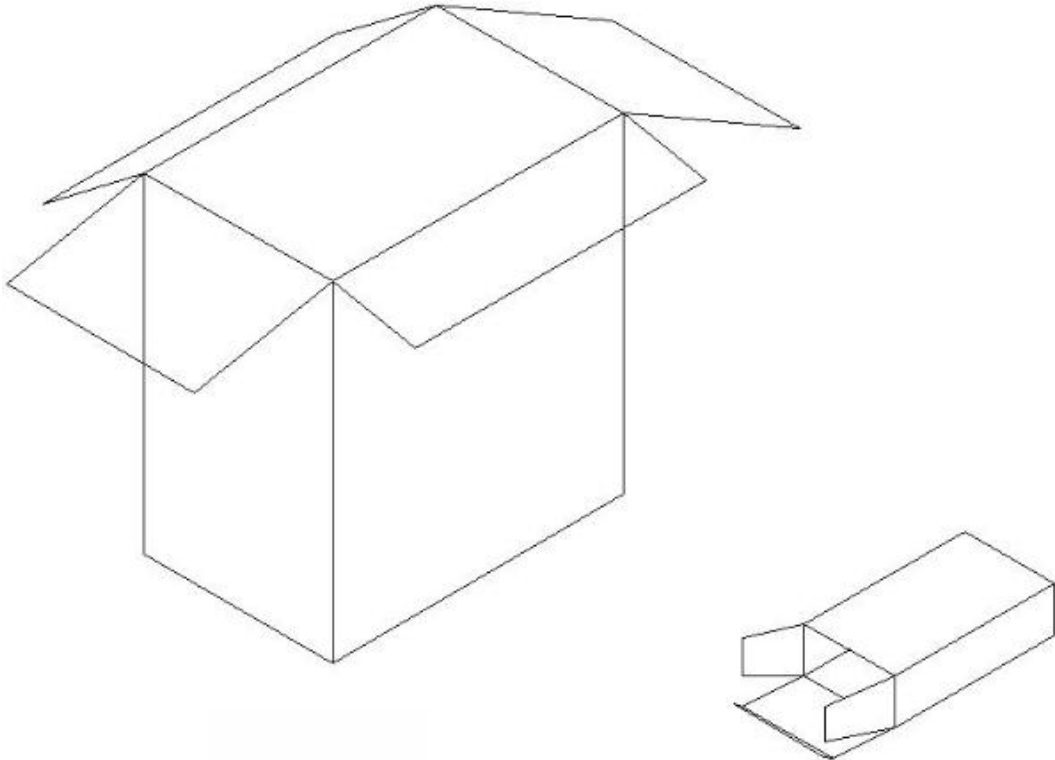


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Packing Method:

1. Inner package adopts white box for each individual product.
2. Inner box put in the outer carton, in total 30pcs.
3. box size:
Inner white box: L215* W82* H47mm ;
outside carton: L450* W265* H285mm ;
4. box size deviation of 2mm.