





型号/Our model/ **HXF-25A-12**

客户/Customer:

日期/Date:2014-8-18

样品编号/SAMPLE No:

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### 1、描述/ DESCRIPTION:

本规格书适应于 **HXF-25A-12V** 型号的开关电源。

This specification is adapted to the HXF-25A-12 models of switching power supply.

### 2、输入特性/INPUT CHARACTERISTICS:

2.1 额定电压/Rated Input Voltage:180~240Vac

2.2 额定输入频率/ Rated Input Frequency:50/60Hz.

2.3 输入电流/Input Current:

当输入交流电压为额定值的下限电压负载满载时,最大输入交流电流 0.6A.

0.6Amps max At any input voltage and rated, DC output rated load.

2.4 浪涌电流/Inrush Current:

当输出为额定负载,环境温度为 25℃,输入 240Vac 冷态起机时的最大浪涌电流小于 30A.

30 Amps Max. Cold start at 240Vac input, with rated load and 25℃ambient.

2.5 AC 漏电流/Ac Leakage Current:

当输入电压 240Vac 时,最大漏电流为 3.5mA.

3.5mA Max.At240Vac input.

### 3、输出特性/OUTPUT CHARACTERISTICS:

3.1 输出功率/Power output

电压 Voltage	最小负载 Min. Load	额定负载 Rated. Load	峰值功率 Peak@10mS	输出功率 Output power
12VDC	0A	2A	26.4W	24W



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### 3.2 负载特性,调整率/Combined Load/Line Regulation

电压 Voltage	最小负载 Min. Load	额定负载 Rated. Load	线性调整 Line Regulation	负载调整 Load Regulation
12VDC	0A	2A	±3%	±5%

### 3.3 纹波和噪音 Ripple and Noise:

测试条件:在额定电压及额定负载条件下,使用示波器带宽为 20MHz 连接到充电器的输出端,同时输出端并联一个 47uF 的电解电容和一个 0.1uF 的瓷片电容.

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.

电压 Voltage	最大纹波/最大噪音 Ripple and Noise(Max.)
12VDC	200mV p-p

### 3.4 启动延迟时间/Turn on delay time:

当输入 220Vac 和输出最大负载时,最大启动时间为 1S.  
1Second Max.at 220Vac input and output Max.load.

### 3.5 上升时间/Rise time:

当输入 220Vac 和输出最大负载时最大时间为 40 mS.  
40 mS Max.at 220Vac input and output Max load.

### 3.6 效率/Efficiency:

当 220Vac 输入电压时,满载计算效率,最小72%。  
72%Min, At 220Vac input voltage and full load calculation efficiency.

### 3.7 过冲/Overshoot:

在电源开启或关闭的时候,最大 5%。  
5% Max.When power supply at turn or turn off.

#### 4、保护功能/PROTECTION FUNCTION:

##### 4.1 短路电路保护/Short circuit protection:

该电源供给器在短路解除时能正常恢复工作.

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

##### 4.2 过流保护/Over current Protection:

过流故障排除后,电源将自动恢复正常工作.

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

#### 5、环境要求/ENVIRONMENTAL REQUIREMET:

##### 5.1 工作温度/Operating Temperature:

0℃-40℃,满载,正常工作.

0℃ to 40℃,Full load, Normal operation.

##### 5.2 储藏温度/Storage Temperature:-20℃ to 80℃

带外壳/With package

##### 5.3 工作湿度/Relative Humidity:

5%(0℃)~90%(40℃),72 小时,满载,正常工作.

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

##### 5.4 振动/Vibration:

###### 1. 测试标准:国际电工电子委员会

Operating: IEC 721-3-3 3M3

5-9Hz,A=1.5mm

加速度(9~200Hz,Acceleration 5m/S<sup>2</sup>)

###### 2. 运输/Transportation:

IEC 721-3-2 2M2

5-9Hz,A=3.5mm

9~200Hz,加速度 Acceleration=5m/S<sup>2</sup>

200~500Hz,加速度 Acceleration=15m/S<sup>2</sup>



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**3. 轴向振动/Axes,10 cycles per axis.**

在测试过程中不能出现永久性的损坏.

No permanent damage may occur during testing.

在电源开启和关闭后,样机能够恢复到最初条件.

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

**5.5 跌落试验/Dropping Packed:**

桌上型仪器作测试时为 600mm+/-10mm, 木质地板.

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

**6、安全及 EMI 要求/SAFETY AND EMI REQUIREMENT:**

**6.1 安全:按 IEC60950 标准设计.**

Safety: Design by IEC60950 standard.

**6.2 高压/DIELECTRIC STRENGTH Hi-Pot:**

初级对次级/Primary to secondary:1200Vac/10mA/60S for type test.

初级对外壳/Primary to case:1200Vac/10mA/60S for type test.

次级对外壳/ Secondary to case:300Vac/10mA/60S for type test.

**6.3 绝缘阻抗/Insulation resistance:**

初级对次级/Primary to secondary:10M $\Omega$  min at 500V DC.

**6.4 EMI 标准/EMI STANDARD**

Designed according to the following standards/按以下标准设计:

<1>.Fcc class B rules

<2>.EN55022 class B rules

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

**Please Note**

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

In a long time full load burn PCB slight yellowing phenomenon is normal.



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