

# APPROVAL SHEET

CUSTOMER-- : \_\_\_\_\_

DESCRIPTION : \_\_\_\_\_ S-120-12 \_\_\_\_\_

CUSTOMER PART NO : \_\_\_\_\_

OUR MODEL NO : \_\_\_\_\_ 12V10A \_\_\_\_\_

DATE : \_\_\_\_\_ 2022-09-04 \_\_\_\_\_

确认签字，盖章后请返回承认书一份

PLEASE RETURN TO US ONE COPY OF "SPECIFICATION FOR APPROVAL" WITH YOUR APPROVED SIGNATURES

|             |       |          |
|-------------|-------|----------|
| DATE: _____ |       |          |
| APPROVAL    | CHECK | ENGINEER |
|             |       |          |

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| CUSTORMER:  |       |          |
| DATE: _____ |       |          |
| APPROVAL    | CHECK | ENGINEER |
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# Switching Power Supply Specifications

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## 1. 描述 (GENERAL DESCRIPTION):

本规格书适应于 S-120-12型号的开关电源。

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for the S-120-12 switching type power adapter.

## 2. 输入特性 (INPUT CHARACTERISTICS):

2.1 额定电压(Nominal Voltage) : 100-240VAC

2.2 输入频率(Input Frequency) :

额定频率 (Nominal Frequency) :50/60Hz

频率范围(Variation Frequency) :47-63Hz

2.3 输入电流(Input Current) : 1.93A(110VAC)/0.88A(220VAC)

2.4 浪涌电流(Inrush Current): <65A at 25°C, 230VAC

2.5 漏电流(Leakage Current): <3.5mA

## 3 输出特性 (OUTPUT CHARACTERISTICS) :

3.1 额定电压(Nominal voltage) :12VDC+/-1%

3.2 线性调整(Line Regulation):0.5%

3.3 负载调整(Load Regulation):1%

3.4 额定电流(Nominal current):10A

3.5 波纹和噪音(Ripple And Noise):

120mV(220VAC,20Mhz, terminated with a 0.1uF & 47uF parallel capacitor at the output connector)

120mV(在220VAC输入条件下,采用20MHz带宽,并在输出连接器端口并联0.1uF和47uF两个电容测量)

3.6 启动时间(Setup time):

<1s(220VAC,Max.Load) / <2s (110VAC,Max.Load)

<1s (220VAC输入,最大负载) / <2s (110VAC输入,最大负载)

3.7 上升时间(Rise Time):

20ms(220VAC,Max.Load) / 30ms(110VAC,Max.Load)

20ms(220VAC输入,最大负载) / 30ms(110VAC输入,最大负载)

3.8 保持时间(Hold up Time):

>20ms(220VAC,Max.Load)

>20ms(220VAC输入,最大负载)

- 3.9 效率(Efficiency):
- >80.2%(110VAC,Max.Load)
  - >80.2%(110VAC 输入, 最大负载)
  - >84.5%(220VAC,Max.Load)
  - >84.5%(220VAC 输入, 最大负载)

#### 4. 输出保护功能(OUTPUT PROTECTION REQUIREMENT):

##### 4.1 短路保护功能(Short Circuit Protection):

打嗝模式, 短路解除时,能自动恢复.

The power supply will be recovery from hiccup mode when short circuit faults removed.

##### 4.2 过流保护(Over current protection):

负载电流大于11A(110Vac)或者12.5A(220Vac)时进入打嗝模式, 空载时, 电源能自动恢复.

The power supply will be into hiccup mode when load current more than 11A(110Vac) or 12.5A(220Vac) and recovery from latch mode when no load.

#### 5. 环境条件(ENVIRONMENTAL REQUIREMET):

5.1 工作温度(Operating Temperature): -10°C-35°C (满载/Max. Load)

5.2 储藏温度(Storage Temperature): -20°C to 85°C.

5.3 工作湿度(Relative Humidity): 5%(0°C)~95%(45°C)

5.4 振动(Vibration): 10-500Hz, 2g, 10min

5.5 MTFB: 2years

#### 6. 安规要求(SAFETY REQUIREMENT)

6.1 安规标准(Safety standards): EN60950

6.2 耐压(Withstand voltage):

输入对输出: 1.5KVAC 1分钟

I/P-0/P: 1.5KVAC 1minute

输入对地: 1.5KVAC 1分钟

I/P-FG: 1.5KVAC 1minute

输出对地: 0.5KVAC 1分钟

O/P-FG: 0.5KVAC 1minute

## 7.外形尺寸 (OUTLINE DIMENSION):

L\*W\*H=199\*97\*42mm Weight=460g

长\*宽\*高=199\*97\*42mm 重量=460g

