

# APPROVAL SHEET

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

DESCRIPTION: \_\_\_\_\_ S-120-24 \_\_\_\_\_

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

OUR MODEL NO : \_\_\_\_\_ 24V5A \_\_\_\_\_

DATE : \_\_\_\_\_ 2022-05-06 \_\_\_\_\_

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

CUSTORMER:		
DATE: _____		
APPROVAL	CHECK	ENGINEER

# Switching Power Supply Specifications

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## 1. 描述 (GENERAL DESCRIPTION):

本规格书适应于 S-120-24型号的开关电源。

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for the S-120-24 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) : 1.35A(110VAC)/0.61A(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) :24VDC+/-1%

3.2 线性调整 (Line Regulation) :0.5%

3.3 负载调整 (Load Regulation) :2%

3.4 额定电流 (Nominal current) :5A

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):

300ms(220VAC,Max.Load) / 850ms(110VAC,Max.Load)

300ms(220VAC输入, 最大负载) / 850ms(110VAC输入, 最大负载)

3.7 上升时间 (Rise Time):

10ms(220VAC,Max.Load) / 16ms(110VAC,Max.Load)

10ms(220VAC输入, 最大负载) / 16ms(110VAC输入, 最大负载)

3.8 保持时间 (Hold up Time):

10ms(220VAC,Max.Load) / 5ms(110VAC,Max.Load)

10ms(220VAC输入, 最大负载) / 5ms(110VAC输入, 最大负载)

### 3.9 效率(Efficiency):

83%(110VAC,Max.Load)

83%(110VAC 输入, 最大负载)

87%(220VAC,Max.Load)

87%(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5.6A(110Vac)或者6.2A(220Vac)时进入打嗝模式, 过流故障解除时, 电源能自动恢复.

The power supply will be recovery from hiccup mode when load current less than 5.6A(110Vac) or 6.2A(220Vac).

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

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): EN62368

6.2 耐压(Withstand voltage):

输入对输出: 1.5KVAC 1分钟

I/P-O/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=158\*97\*42mm Weight=320g

长\*宽\*高=158\*97\*42mm 重量=320g

