

APPROVAL SHEET

CUSTOMER-- : _____

DESCRIPTION: S-240-12

CUSTOMER PART NO: _____

OUR MODEL NO: 12V20A

DATE: 2021-09-03

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: _____		
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Switching Power Supply Specifications

Table of contents

1. 描述: DESCRIPGION.....	2
2. 输入特性: INPUT CHARACTERISTICS.....	2
3. 输出特性: OUTPUT CHARACTERISTICS.....	2-3
4. 保护功能: PROTECTION REQUIREMENT.....	3
5. 环境条件: ENVIRONMENTAL REQUIREMENT.....	3
6. 安规要求: SAFETY REQUIREMENT.....	3
7. 外形尺寸: OUTLINE DIMENSION	4

1. 描述 (GENERAL DESCRIPTION):

本规格书适应于 S-240-12型号的开关电源。

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for the S-240-12 switching type power adapter.

2. 输入特性 (INPUT CHARACTERISTICS):

2.1 额定电压 (Nominal voltage) : 100-120VAC/200-240VAC

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) : 3.87A(110VAC)/1.95A(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) :2%

3.4 额定电流(Nominal current):20A

3.5 波纹和噪音(Ripple And Noise):

126mV(220VAC,20Mhz, terminated with a 0.1uF & 47uF parallel capacitor at the output connector)

126mV(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):

54ms(220VAC,Max.Load) / 63ms(110VAC,Max.Load)

54ms(220VAC 输入, 最大负载) / 63ms(110VAC 输入, 最大负载)

3.7 上升时间(Rise Time):

36ms(220VAC,Max.Load) / 37ms(110VAC,Max.Load)

36ms(220VAC 输入, 最大负载) / 37ms(110VAC 输入, 最大负载)

3.7 保持时间(Hold up Time):

11ms(220VAC,Max.Load) / 9.6ms(110VAC,Max.Load)

11ms(220VAC 输入, 最大负载) / 9.6ms(110VAC 输入, 最大负载)

- 3.8 效率(Efficiency):
80%(110VAC,Max.Load)
80%(110VAC 输入, 最大负载)
83%(220VAC,Max.Load)
83%(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):

锁存模式, 短路电流小于20A, 短路解除时,能自动恢复.

The power supply will be recovery from latch mode when short circuit faults removed, short-circuit current less than 20A.

4.2 过流保护(Over current protection):

负载电流大于24.5A(110Vac 或者220Vac)时进入锁存模式, 空载时,电源能自动恢复.

The power supply will be into latch mode when load current more than 24.5A and recovery from latch mode when no load, (110Vac or 220Vac).

5. 环境条件(ENVIRONMENTAL REQUIREMENT):

5.1 工作温度(Operating Temperature): - 10°C-25°C (满载/Max. Load) (建议最大连续使用电流为18A/
recommend max. continue current is 18A)

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-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):

长*宽*高=199*109*50mm, 重量=613g

L*W*H=199*109*50mm, Weight=613g

