

APPROVAL SHEET

CUSTOMER-- : _____

DESCRIPTION: S-360-12

CUSTOMER PART NO: _____

OUR MODEL NO: 12V30A

DATE: 2022-04-01

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

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1. 描述 (GENERAL DESCRIPTION):

本规格书适应于 S-360-12型号的开关电源。

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for the S-360-12 switching type power adapter.

2. 输入特性 (INPUT CHARACTERISTICS):

2.1 额定电压 (Nominal voltage) : 100-120VAC/180-240VAC

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) : 5.8A(110VAC)/2.95A(220VAC)

2.4 浪涌电流(Inrush Current): <2KA 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):30A

3.5 波纹和噪音(Ripple And Noise):

纹波:

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

<120mV(220VAC 输入条件, 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)

噪音:

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

<120mV(220VAC 输入条件, 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):

<500ms(220VAC,Max.Load) / <500ms(110VAC,Max.Load)

<500ms(220VAC 输入, 最大负载) / <500ms(110VAC 输入, 最大负载)

3.7 上升时间(Rise Time):

<50ms(220VAC,Max.Load) / <50ms(110VAC,Max.Load)

<50ms(220VAC 输入, 最大负载) / <50ms(110VAC 输入, 最大负载)

3.8 保持时间(Hold up Time):

<0.5ms(220VAC,Max.Load) / <0.3ms(110VAC,Max.Load)

<0.5ms(220VAC 输入, 最大负载) / <0.3ms(110VAC 输入, 最大负载)

3.9 效率(Efficiency):

80%(110VAC,Max.Load)

80%(110VAC 输入, 最大负载)

82.4%(220VAC,Max.Load)

82.4%(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,短路解除后满载能自动恢复, 短路电流小于1.5A.

The power supply will be recovery from latch mode when short circuit faults removed and full load,short-circuit current less than 1.5A..

4.2 过流保护(Over current protection):

负载电流大于37A(110Vac 或者220Vac)时进入保护锁存模式,解除过流后满载电源能自动恢复.

The power supply will be into latch mode when load current more than 37A and recovery from latch mode when full load (110Vac or 220Vac).

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-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=215*115*50mm Weight=783g

长*宽*高=215*115*50mm 重量=783g

