

承认书

Specification For Delivery



RoHS

客户

CUSTOMER

部品番号

PART NUMBER

XSC-1201000SJP

版本号: A0

客户承认回签
Customer Approval

担当者	审核	承认	公司承认章

营业担当
SALES



新赛品名
X.S. P/N

技术担当
ENGINEER



责任人
RESPONSIBILITY



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UPDATE REV.

REV	UPDATE	DATE	PRERARATOR
original		2025.04.14	张 彪

1、安规标准/ SAFETY STANDARD:

1.1 The green mode power supply shall be certified by the following international regulatory standards: 电源应符合下列的国际标准:

☐		Country	CertifiedStatus	Standard / 標準
☒	PSE	Japan / 日本	APPROVED	J62368-1, J55032
☐	UL	USA / 美國	APPROVED	UL 62368: 2014
☐	cUL	CAN / 加拿大	APPROVED	CAN/CSA-C22.2 No. 62368-1-14
☐	FCC	USA / 美國	APPROVED	Part 15 Class B
☐	CE	Europe / 歐洲	APPROVED	EN 55032:55035/EN 62368-1/EN 61558-1/EN 61558-2-16
☐	GS	Europe / 德國	APPROVED	EN 62368-1/EN 61558-1/EN 61558-2-16/AfPGS 21
☐	BS	UK / 英國	APPROVED	BS EN 62368-1/BS EN 61558-1/BS EN 61558-2-16
☐	SAA	Australia / 澳洲	APPROVED	AS/NZS 62368-1:2011& AS/NZS 3112:2011
☐	CCC	CN / 中国	APPROVED	GB4943-2022,GB17625.1-2022
☐	KC	KC/韩规	APPROVED	KC62368-1 KC60950-1

2、INPUT CHARACTERIST / 输入特性:

2.1 输入电压范围可以从 **90Vac** 到 **264Vac**.

INPUT VOLTAGE RANGE: **90Vac** to **264Vac**.

2.2 额定输入电压从 **100Vac** 到 **240Vac**.

RATED INPUT VOLTAGE: **100Vac** to **240Vac**.

2.3 输入频率范围从 **47Hz** 到 **63Hz**.

INPUT FREQUENCY RANGE: **47Hz** to **63Hz**.

2.4 最大输入电流不超过 **0.4A** (输入条件 100-240Vac)

INPUT CURRENT: **0.4A** max. (I/P100-240Vac).

2.5 在标准开机条件下, 最大浪涌电流不超过 **30A** (输入条件 **100-240Vac**).

INRUSH CURRENT: **30A** max. at **100-240Vac** input for a cold start at 25°C.



3、输出特性/ OUTPUT CHARACTERIST:

3.1 输出功率/ Power output

额定输出 RATED OUTPUT	最小负载 Min. Load	额定输出负载 Rated Output Load	输出功率 Output power	空载功耗 No Load Power consumption
12 VDC	0 A	1A	12W	0.1W

3.2 负载特性/ Combined Load

额定输出 RATED OUTPUT	最小负载 Min. Load	额定输出负载 Rated Output Load	线性调整 Line Regulation	负载调整 Load Regulation
12VDC	0 A	1A	±3%	±5% (11.4V-12.6V)

3.3 平均效率高于 77.75% (输入 100-240Vac, 输出(25%,50%,75%&100%负载))

Higher than 77.75% at 100-240Vac input and output (25%, 50%, 75% & 100% load.)

3.4 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 10uF 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 10uF/0.1uF,crossed connected at testing point.

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

3.5 启动延迟时间/Turn on delay time:

当输入 115Vac 和输出最大负载时,最大启动时间为 3S.

3Second Max.at 115Vac input and output Max.load.

3.6 保持时间/Hold up time:

当输入 115Vac 和输出最大负载时,最小保持时间为 5 mS .

5 mS Min.at 115Vac input and output Max.Load.

3.7 绝缘介电强度 (耐压) / ELECTRIC WITHSTANDING STRENGTH(HI-POT)

一次侧对二次侧: AC3000V/5mA 标准测试 1 分钟

Primary to Secondary AC3000V/5mA , 1 minute for type test.

3.8 过冲/Overshoot:

在电源开启或关闭的时候,最大 10%.

10% Max.When power supply at turn or turn off.

4、保护特性/PROTECTION FEATURE:

4.1 过电流保护 / OVER - CURRENT PROTECTION:

在任何时候任何输入条件，当输出操作在超载条件最大电源的（110% ~ 130%）时，电源供应器将进入打嗝模式，当故障被移走后，电源要能自动恢复到正常。

The green mode power supply shall be hiccupped when any output operating in overload condition(set@ Max load 110% ~ 130%) under any line condition for an indefinite period of time. The power supply shall be self - recovery when the fault condition is removed.

4.2 输出短路保护/ SHORT CIRCUIT PROTECTION:

在任何时候，任何输入条件下，当输出操作在短路情况下，电源供应器将进入打嗝模式，当故障消失后，电源要能自动恢复正常。

The power supply shall be hiccupped and no damage shall occur when any output operating in a short circuit condition under any line condition for an indefinite period of time. The power supply shall be self - recovery when the fault condition is removed.

5、环境条件 / ENVIRONMENTAL CONDITIONS:

5.1 操作条件 / OPERATING:

在下列环境条件下，电源供应器要能够连续操作在各种模式，且不能造成性能的退化。

The power supply shall be capable of operating continuously in any mode without performance deterioration in the following environmental conditions.

5.1.1 环境温度: 0°C ~ 40°C

Ambient Temperature: 0°C ~ 40°C

5.1.2 相对湿度: 10% ~ 90%

Relative Humidity: 10% ~ 90%

5.2 振动 / Vibration

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/S²)

5.3 冷却 / Cooling:

电源供应器将操作在对流冷却的环境下，即使将通风口阻塞电源也不允许有任何损伤发生。

The power supply will operate with convection cooling .Blocking of vents must not cause damage to The power supply.

6、储存条件 / Storage conditions:

电源供应器要能够长期的经受下列的环境条件，且不允许有电气级机械方面的损伤和并发的操作的缺失。

The power supply shall be capable of withstanding the following environmental conditions extended periods of time, without sustaining electrical or mechanical damage and subsequent operational deficiencies:

6.1.1 储存温度: $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$

Storage Temperature: $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$

6.1.2 相对湿度: 10% ~ 90%

Relative Humidity: 10% ~ 90%

6.2.3 振动和冲击 / Vibration and Shock:

电源供应器装配及出货的包装设计，均要能承受正常运输的振动，并符合 MIL – STD – 810D 方法 514 和程序 X。

The power supply shall be designed to withstand normal transportation vibration per MIL-STD-810D, method 514 and procedures X, as it s mounted in the chassis assembly and packed for shipping.

7、可靠性及质量控制 / RELIABILITY AND QUALITY CONTROL:

7.1 老化 / BURN-IN

电源应在 $40^{\circ}\text{C} \sim \pm 5^{\circ}\text{C}$ 和满载条件下老化 2 小時。

The power supply shall undergo a minimum of 2 hours Burn-In test under full load at $40^{\circ}\text{C} \sim \pm 5^{\circ}\text{C}$

7.2 组件温度要求 / COMPONENT DERATING:

半导体结温不允许超过其制造商要求的最大温度值。

Semiconductor junction temperatures shall not exceed the manufacturer ' s maximum thermal rating.

8、电磁兼容性标准 / EMC STANDARDS:

8.1 EMI 标准 / EMI STANDARDS:

本电源供应器符合辐射及传导要求, 满足 FCC CLASS B, EN55022 CLASS B.

The power supply met the radiated and conducted emission requirements for FCC CLASS B.

8.2 EMS 标准 / EMS STANDARDS:

本电源供应器满足下列 EMS 标准

The power supply shall meet the following EMS standards:

EN 55035: 2017; Part 15 Subpart B, IC ICES-003

9、符合节能 5 级标准, 测试标准如下 / Energy Saving (Level 5 / Level 5) :

9.1 CEC Test Report (CEC Table U-2 Standards for Power Supplies Effective July 1, 2008)

9.2 EUP Test Report (COMMISSION REGULATION (EC) No 278/2009)

9.3 MEPS (AS/NZS 4665.2-2005)

10、绝缘阻抗 / INSULATION RESISTANCE:

输入对输出 50兆 欧姆 (500VDC)

Input to output: 50M OHM(500VDC)

11、漏电流 / LEAKAGE CURRENT:

当电源供应器操作在最大输入及最大负载情况下, 其漏电流应小于 0.25mA, 满足 class II 等级。

The leakage current shall be less than 0.25mA for class II when power supply is operated maximum input voltage and maximum load.

12、主要测量设备 / MAJOR MEASURE EQUIPMENT:

A. AC SOURCE / 交流输入电源: AFC - 500W

B. POWER METER / 电源功率计: CHROMA 2100

C. ELECTRONIC LOAD / 电子负载: PRODIGIT 3310C

D. OSCILLOSCOPE / 存储示波器: TDS-2012B

E. DIGITAL MULTIMETER / 数字式万用表: Fluke 4.5

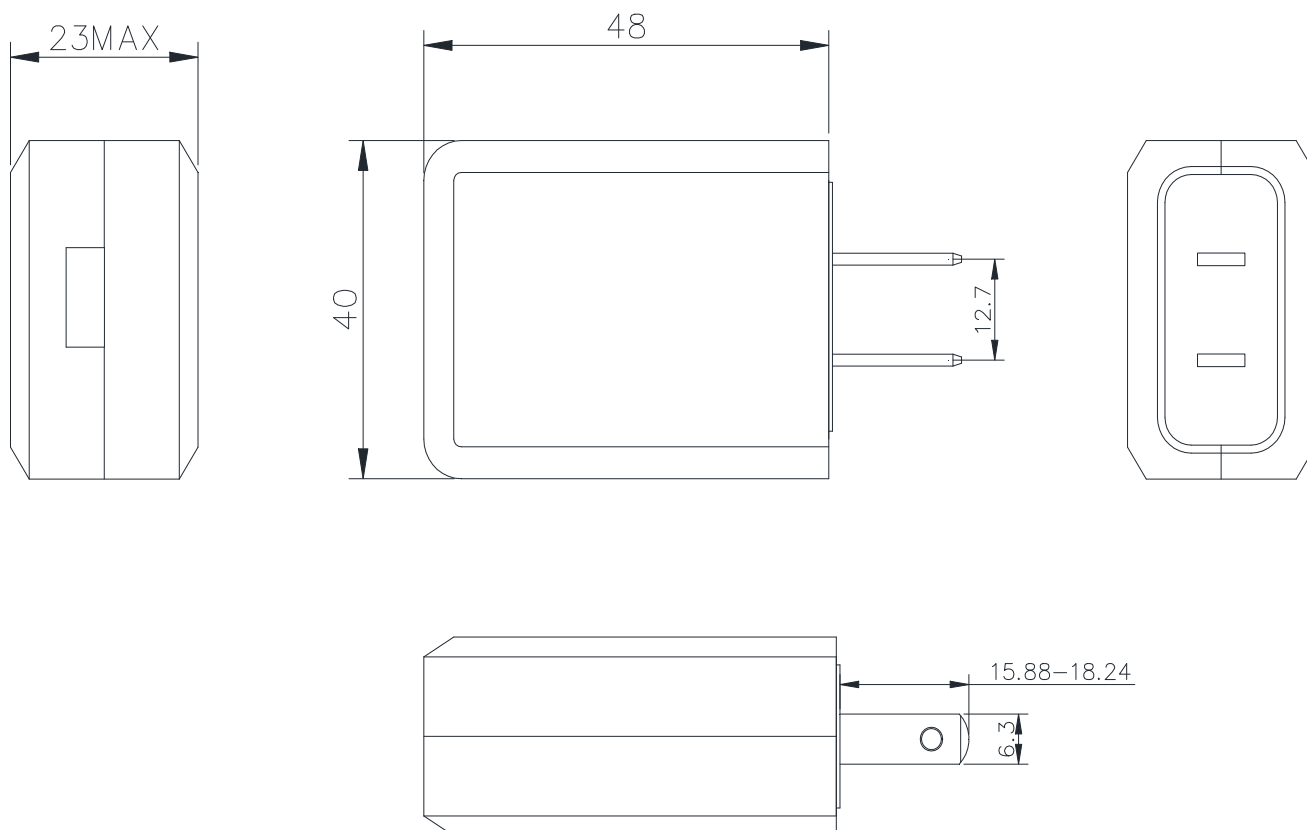
F. DC POWER / 直流输入电源: WYK - 6030

G. HI - POT TESTER / 耐压测试仪: LANKE ELECTRONICS 7112

H. INSULATION RASISTANCE TESTER / 绝缘电阻表: YD2681A

产品外观尺寸 / PRODUCT OUTLINE DIMENSION

Unit / 单位:mm



13、重量 / WEIGHT:

电源的重量大约为 72g

The weight of the power supply shall be about 72g.

14、结构参数 / MECHANICAL REQUIREMENT:

外型尺寸: L48*W40*H23m

The power supply size: L48*W40*H23m.

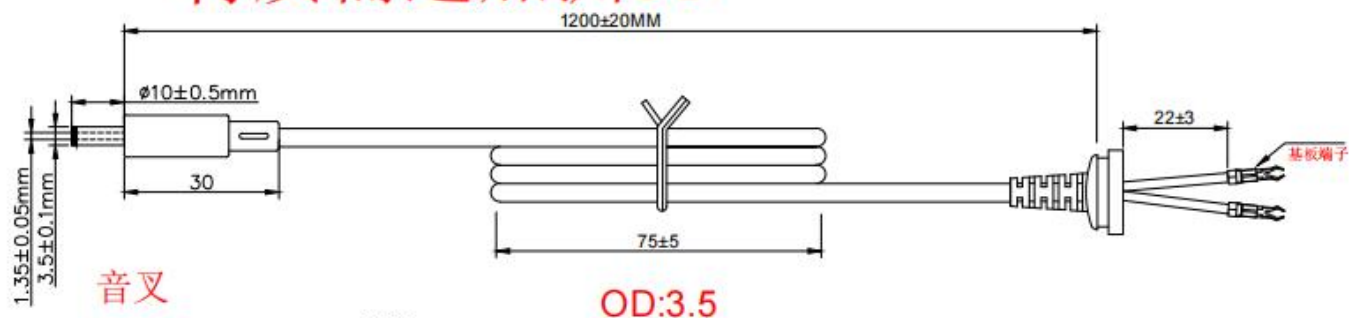
15、颜色 / COLOUR:

☐ 黑色/Black ☒ 白色/White

DC CORD / 线 材

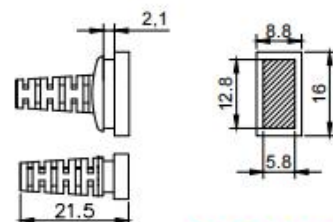
Unit / 单位:mm

材质需过加洲65



NOTE:

1. 线材:UL 2464 24AWG VW-1 80°C 300V
2. 颜色:白色 色号: XS-01
3. 极性:黑色线 —●— 红色线
4. 拉力试验:吊重3KG, 60秒SR位移小于2mm;
5. 摇摆试验:吊重500g, 每分钟35~40次, 120° 摇摆至少500次;
6. 线材硬度:DUROMETER TYPE A 70±10;
7. SR尾带五金基板端子

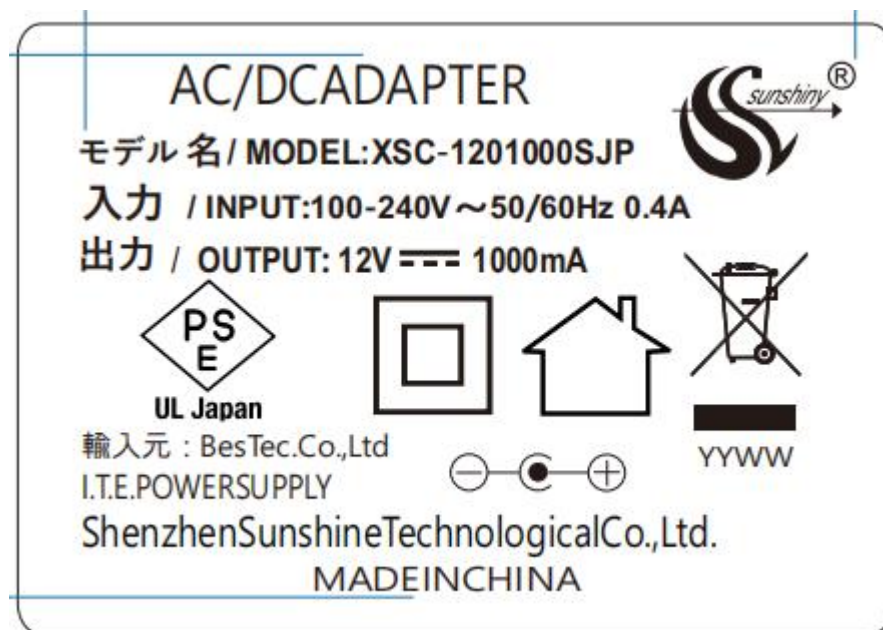


SR07

RATING LABEL / 铭 牌

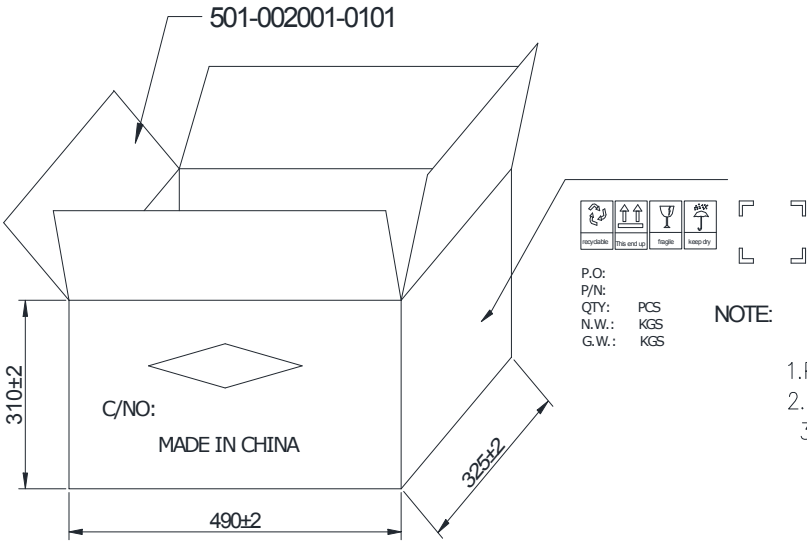
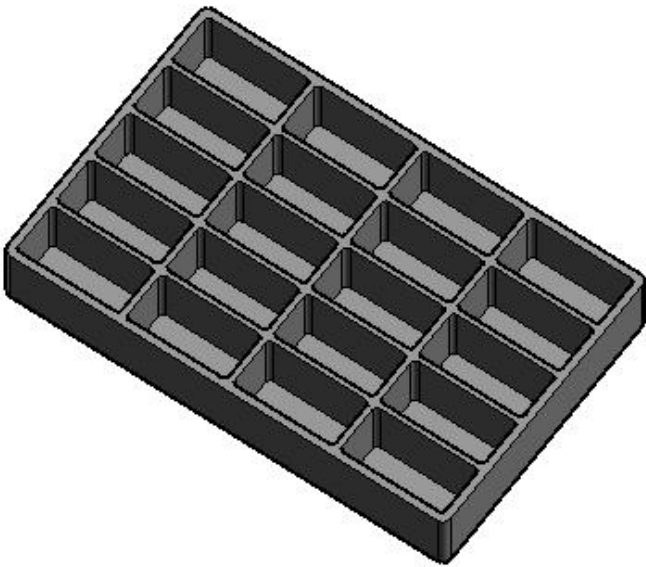
Unit / 单位:mm

Tolerance / 公差:+0/-0.2mm



激光鐫雕

RATING LABEL / 包装图



NOTE:

- 1. PE 袋 吸塑包装, 每箱包装160台。
- 2. PK 箱标示尺寸为外部尺寸
- 3. PK 箱印前後相同, 左右相同, 印刷颜色为黑色