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客户承认书

SPECIFICATION FOR APPROVAL

CUSTOMER/客户：

CUSTOMER P.N./客户物料号：

MODEL NO./产品型号： XED-5013S

PRODUCT NO./产品编号： /

SAMPLE DATE/送样日期： 2020-09-18

CUSTOMER AUTHORIZED SIGNATURE/客户承认签核

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Please return to us one copy of “SPECIFICATION FOR APPROVAL”
with you approved signature./客户确认签字，盖章后请回传一份承认书给我司

拟制：	项目工程师：	安规工程师：	批准：
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E.C. LIST/变更履历表



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** Table of Contents/内容 **

1	SCOPE/简述	4
2	INPUT CHARACTERISTICS/输入特性	4
①	Input Voltage & Frequency/输入电压&频率	4
②	Input AC Current/AC 输入电流	4
③	Inrush Current (Cold Start)/浪涌电流(冷启动)	4
④	Efficiency(Normal)/效率	4
3	OUTPUT CHARACTERISTICS/输出特性	5
①	Static Output Characteristics <Vo & R+N>/静态输出特性	5
②	Line/Load Regulation/线性/负载调整率	5
③	Turn on Delay Time/开机延迟时间	5
④	Hold up Time/ 关机维持时间	5
⑤	Rise Time/上升时间	5
4	PROTECTION REQUIREMENTS/保护特性	5
①	Over Current Protection/过流保护	5
②	Short Circuit Protection/短路保护	6
5	ENVIRONMENT REQUIREMENTS/环境要求	6
①	Operating Temperature and Humidity/操作温/湿度温度	6
②	Sea level /海拔	6
③	Storage Temperature and Humidity/存储温/湿度要求	7
6	RELIABILITY REQUIREMENTS/可靠性要求	6
①	Burn-in/煲机	6
②	MTBF /平均间隔故障时间估算	6
③	Safety test: (安全测试)	6
④	Dielectric Strength(Hi-pot)介电耐压强度(高压)	6
⑤	Leakage Current/漏电流	6
7	OUTLINE DRAWING/外观示意图	7
8	I/O Marking Drawing/铭牌示意图	8
9	User's Manual (用户手册)	9
10	PACKAGING (包装)	10



MODEL No.:XED-5013S

PART No.:A1 ISSUE DATE.:2020-09-18

1. SCOPE/简述

The document detail the electrical, mechanical and environmental specifications of a SMPS, the power supply provide 36W continuous output power.

资料详细描述了一款 36W (连续输出功率)开关电源的电气性,结构性及环境等要求.

The power supply shall meet the RoHS requirement.

此款电源符合 RoHS 要求.

1.1. Description

- SMPS Adaptor(Wall mount/Side)/插墙式侧插适配器
- SMPS Adaptor(Wall mount/Ahead)/插墙式前插适配器
- SMPS Adaptor(Wall mount /Bottom)/插墙式底插适配器
- SMPS Adaptor(Desk TOP)桌面型适配器
- Open Frame/开放式结构
- Others/其它

2. INPUT CHARACTERISTICS/输入特征

2.1. Input Voltage & Frequency/输入电压与频率

The range of input voltage is from 100Vac to 240Vac single phase.

输入电压范围:从 100Vac 到 240Vac ,单相输入.

	Minimum/最小	Nominal/额定值	Maximum/最大
Input Voltage/输入电压	90Vac	100Vac~240Vac	264Vac
Input Frequency/输入频率	50Hz	50Hz-60Hz	63Hz

2.2. Input AC Current/ AC 输入电流

1 A max. @ 100-240Vac input & Full load/满载

2.3. Inrush Current(cold start)/浪涌电流(冷启动)

30A max. @ 240Vac input

2.4. Efficiency(Normal)/效率(额定输入)

80% min. @ Normal input & Full load/额定输入&满载

2.5. Energy Consumption/空载功耗

在额定输入 100-240Vac 时,空载功耗≤0.5W

3. OUTPUT CHARACTERISTICS/输出特征

3.1. Static Output Characteristics<Vo & R+N>/静电输出特征

Output	Rated Load/额定负载		Output Range 输出电压范围	R+N 纹波与噪声	Remark 备注
Rail	Min. Load	Max. Load			
+12Vdc	0.0A	5A	11.4-12.6Vdc	120mVp-p	

Ripple & Noise: Measurement is done by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor. (test under the condition of rated input and rated output)

纹波与噪声: 量测时示波器选用 20MHz 带宽限制, 输出端要并联一颗 0.1uF 的陶瓷电容和一颗 10uF 的电解电容。(在额定输入及输出的条件下检测)

3.2. Line/Load Regulation/线性/负载调整率

Output	Load Condition/负载条件		Line Regulation 线性调整率	Load Regulation 负载调整率	Remark 备注
Rail	Min. Load	Max. Load			
+12Vdc	0.0A	5A	±1%	±5%	

3.3. Turn-on Delay Time/开机延迟时间

3S max. @100Vac to 240Vac input turn & Full load/满载

3.4. Hold-up Time/关机维持时间

5ms min. @ Full load & 230Vac/50Hz input turn off at worst case/在最差情况下关机

3.5. Rise Time/上升时间

50 ms max. @ Rated load/额定负载

4. PROTECTION REQUIREMENTS/保护要求

4.1. Over Current Protection/过流保护

OCP Point Limited min 5.5-8.5A/保护点限制:最小5.5-8.5A;

The output shall hiccup when the over current applied to the output rail, and shall be self-recovery when the fault condition is removed

当过电流时,输出将进入打嗝模式,当过流情况解除后,产品将会自动恢复正常.



MODEL No.: XED-5013S

PART No.: A1 ISSUE DATE.: 2020-09-18

4.2. Short Circuit Protection/短路保护

The input power shall decrease when the output rail is short; the power supply shall not be

damaged, and shall be self-recovery when the fault condition is removed

当输出短路时,产品输入功率降低且不会损伤,当短路情况解除后,产品将会自动恢复正常.

5. ENVIRONMENT REQUIREMENTS/环境要求

5.1. Operation Temperature and Relative Humidity/操作温/湿度要求

-5°C to +40°C 10%RH to 96%RH

5.2. Altitude 2,000 meter/海拔 2,000 米

5.3. Storage Temperature and Relative Humidity/存储温/湿度要求

-40°C to +70°C 5%RH to 95%RH

6. RELIABILITY REQUIREMENTS/可靠性要求

6.1. Burn-in/老化

The power supply shall be burn-in for 2 hours under normal input and 80%rated load at 40°C
±5°C

产品至少要在 40°C±5°C 的环境及 80%额定负载条件下煲机 2 小时

6.2. MTBF Qualification/平均间隔故障时间估算

The MTBF shall be at least 20,000 hours at 25°C, Full load and nominal input condition

平均间隔故障时间: 至少 20,000 小时, 25°C 环境及额定输入与满载条件下

6.3. Safety test: (安全测试)

6.4. Dielectric Strength(Hi-pot)介电耐压强度(高压)

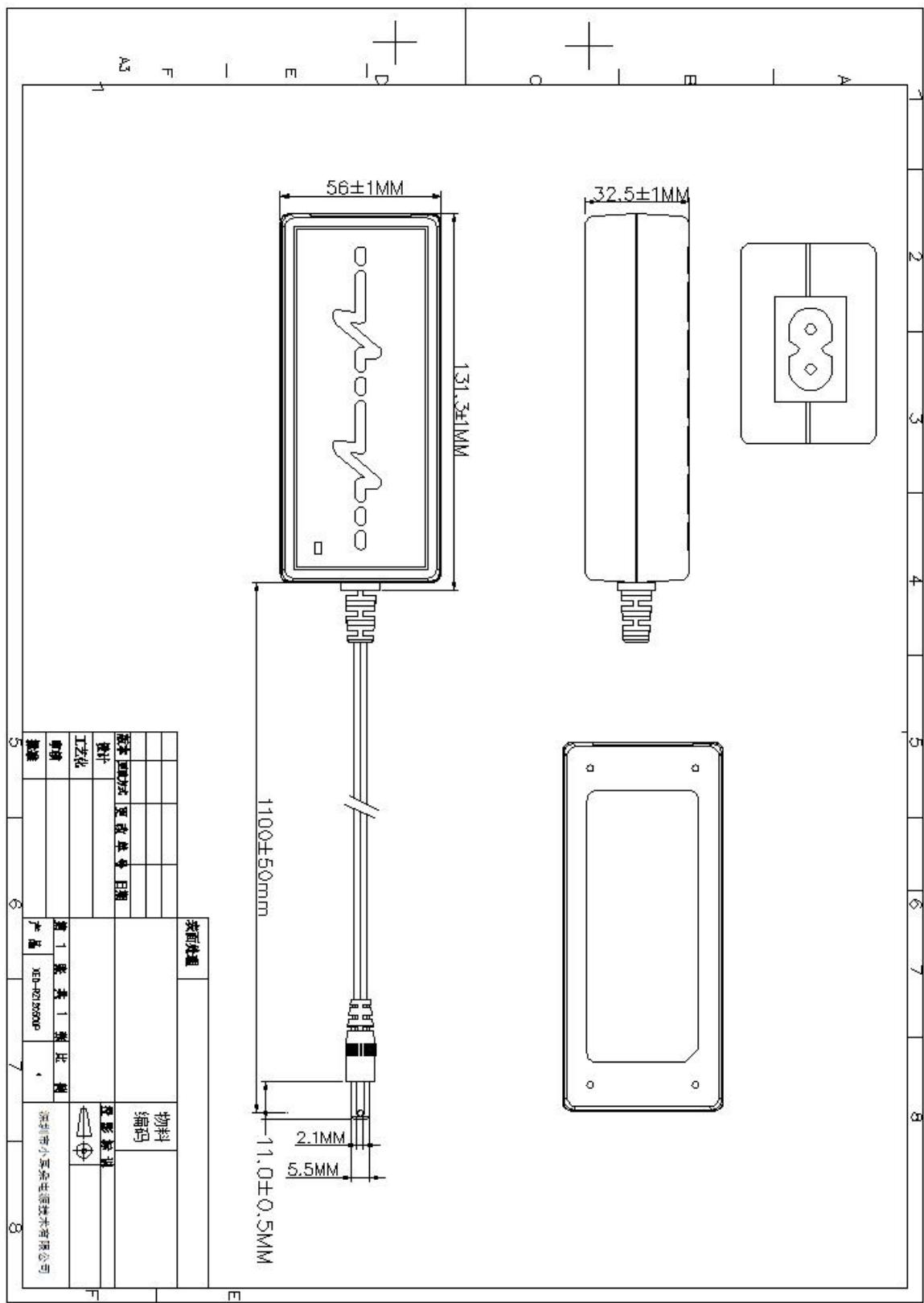
Primary to Secondary: 1KVac / 10mA Max / 60second (1KVac/3 second for Mass Production)

初级对次级: 1KVac / 10mA Max / 60 秒(生产时高压 1KV/AC 测试时间: 3 秒)

6.5. Leakage Current/漏电流

0.25mA Max. at 264Vac / 50Hz

7. OUTLINE DRAWING/外观示意图



8 .I/O Marking Drawing/铭牌示意图





MODEL No.:XED-5013S

PART No.: A1 ISSUE DATE.:2020-09-18

10 PACKAGING (包装)

