



东莞市奥强电子有限公司
Dongguan Oriental Hero Ele. Co., Ltd.



SPECIFICATION FOR APPROVAL

客户承认书

CUSTOMER/客户: 凯盛

FILE NO. /认证号:

PART NO. /物料号:

MODEL NO. /产品型号: OH-1048A2401700U-U (u)

PRODUCT NO. /产品编号: OHSPSA****

MAINFRAME MODEL/主机型号:

MARK 修改标记	REVISED CONTENT 修改内容	APPROVED & DATE 认可日期

AUTHORIZED SIGNATURE & COMPANY CHOP/客户认可签回	

DATE/日期	10. 07. 01	EDITION/版本	A	PAGE/页码	1 OF 8
DESIGN/拟制		CHECK/审核		APPROVAL/批准	

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东莞市奥强电子有限公司
Dongguan Oriental Hero Ele. Co., Ltd.

客户名称	凯盛	产品型号	OH-1048A2401700U-U(u)
客户物料号		产品编号	
样品申请单号		接订单日期	

文件清单

序号	包含文件名称	客户承认书页码
	文件清单	
	样品承认书封面	1-2 0F 10
	电气性能	3-5 0F 10
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	开关电源开发时程表*	
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Dongguan Oriental Hero Ele.Co.,Ltd.

ELECTRICAL PERFORMANCE/电气性能

1. SAFETY STANDARD/安规标准:

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

	Standard/标准	Certified Status	Meet
CE	EN60065	*	
UL/CUL	UL60065	*	
FCC	FCC Part 15 Class B	*	

2. DIELECTRIC WITHSTANDING STRENGTH(HI-POT)/绝缘介电强度(耐压) (S):

Primary to Secondary AC1500V, 10mA 1 minute for type test, 2 second for production.
一次侧对二次侧: AC1500V, 10mA标准测试1分钟, 量产测试2秒钟.

3. INPUT FEATURE/输入特性:

3.1 RATED INPUT VOLTAGE: 100-240Vac. 额定输入电压范围为100-240Vac.

INPUT VOLTAGE RANGE: 90Vac to 264Vac. 输入电压范围从90Vac到264Vac.

3.2 RATED INPUT FREQUENCY: 50Hz/60Hz. 额定输入频率50Hz/60Hz.

INPUT FREQUENCY RANGE: 47Hz to 63Hz.. 输入频率范围从47Hz到63Hz.

3.3 INPUT CURRENT: 1500mA max. at 117Vac. 最大输入电流1500mA (输入条件100-240Vac).

3.4 INRUSH CURRENT: 60A max. at 100-240Vac input for a cold start at 25°C.

在冷开机条件下, 最大浪涌电流不超过60A (输入条件100-240Vac).

3.5 Standby power consumption less than 0.5W at 117Vac input.

在输入117Vac时, 待机功耗小于0.5W

3.6 EFFICIENCY: higher than 80% at 100-240Vac input and output full load.

效率高于80% (输入100-240Vac和输出满载条件).

4. OUTPUT FEATURE/输出特性:

RATED OUTPUT/额定输出	SPEC. LIMIT/规格限定		q1
24.0VDC	Min. value	Max. value	
Output regulation/输出电压规格	23.52VDC	25.20VDC	
Output Load/输出负载规格	0.0A	1700mA	
Ripple and Noise/输出纹波及噪声	-	150mVp-p	20MHz Bandwidth 10uF Ele. Cap. 0.1uF Cer. Cap.

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ELECTRICAL PERFORMANCE/电气性能

5. PROTECTION FEATURE/保护特性:

5.1 OVER-CURRENT PROTECTION/过电流保护:

The power supply shall be protection (hiccupped & power reduced) when any output operating in overload condition under any line condition for an indefinite period of time. The power supply shall be self-recovery when the fault condition is removed.
在任何时候,任何输入条件,当输出操作在过载条件时,电源供应器将进入保护(打嗝或功率下降)模式,当过载故障被移走后,电源要能自动恢复到正常.

5.2 SHORT-CIRCUIT PROTECTION/输出短路保护:

The power supply shall be protection (hiccupped & power reduced) 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.
在任何时候,任何输入条件下,当输出操作在短路情况下,电源供应器将进入保护(打嗝或功率下降)模式,当短路故障消失后,电源要能自动恢复正常.

6. ENVIRONMENTAL CONDITIIONS/环境条件:

6.1 OPERATING/操作条件:

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

6.1.1 Operating Temperature: 0℃ ~ 40℃/操作温度: 0℃ ~ 40℃

6.1.2 Relative Humidity: 10% ~ 90%/相对湿度: 10% ~ 90%

6.1.3 Vibration: 1.0mm, 10-25Hz, 15 minutes per cycle for each axis(x,y,z)
振动: 分别在X,Y,Z方向,1.0mm,10-25Hz,15分钟

6.1.4 Cooling: The power supply will operate with convection cooling, Blocking of vents must not cause damage to the power supply.
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.

6.2 NON-OPERATING/非操作条件:

The power supply shall be capable of withstanding the following environmental conditions extended periods of time.

电源供应器要能长期的经受下列的环境条件.

6.2.1 Storage Temperature: -20℃ ~ 70℃/存储环境温度: -20℃ ~ 70℃

6.2.2 Relative Humidity: 10% ~ 90%/相对湿度: 10% ~ 90%

6.2.3 Vibration and Shock/振动和冲击:

The power supply shall be designed to withstand normal transportation vibration per MIL-STD-810D, as it is mounted in the chassis assemble and packed for shipping.
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

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ELECTRICAL PERFORMANCE/电气性能

7. EMC STANDARDS/电磁兼容性标准:

7.1 EMI STANDARDS/EMI标准:

The power supply shall meet the radiated and conducted emission requirements for FCC Part 15 Class B EN55020 EN55013

电源供应器要符合辐射及传导要求, 满足 FCC Part 15 Class B EN55020 EN55013

7.2 EMS STANDARDS/EMS 标准:

The power supply shall meet the following EMS standards/电源供应器要满足下列EMS标准:

7.2.1 EN61000: 1995/A1:1998 Electrostatic Discharge (ESD)

7.2.2 EN61000: 1996/A1:1998 Radiated Electromagnetic Fields (RS)

7.2.3 EN61000: 1995 Electrical Fast Transient/Burst (EFT)

7.2.4 EN61000: 1995 Surge Immunity. Line to Neutral: 2.5KV 2/10us 1KA

7.2.5 EN61000: 1996 Injected Current.

7.2.6 EN61000: Power Frequency Magnetic Field

8. RELIABILITY AND QUALITY CONTROL/可靠性及品质控制:

8.1 BURN-IN/烘烤:

The power supply shall undergo a minimum of 4 hours Burn-In test under full load at 35~40℃. /电源应在35~40℃和满载条件下烘烤4小时.

8.2 COMPONENT DERATING/元件温度要求 (S):

Semiconductor junction temperatures shall not exceed the manufacturer's maximum thermal rating. /半导体结温不允许超过其制造商要求的最大温度值.

9. INSULATION RESISTANCE/绝缘阻抗:

INPUT TO OUTPUT: 10MΩ min. (500VDC) /输入对输出10MΩ最小 (500VDC)

10. LEAKAGE CURRENT/漏电流:

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

当电源供应器操作在最大输入和最大负载的情况下, 其漏电流应小于 0.25mA, 满足Class II等级.

11. MAJOR MEASURE EQUIPMENT/主要测量设备:

A. AC SOURCE/交流输入电源: AFC-500W

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B. POWER METER/电源功率计: Zentech 2100

☒

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

☒

D. OSCILLOSCOPE/存储示波器: Lecroy LT354

☒

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: GOODWILL GPT-605

☒

H. HYBRID RECORDER/混合记录仪: YOKOGAWA DR130

☐

I. CONS. T/H SIMULATOR/恒温恒湿仪: TH-A4H 1-150

☒

J. INSULATION RESISTANCE TESTER/绝缘电阻表: HY7620

☒

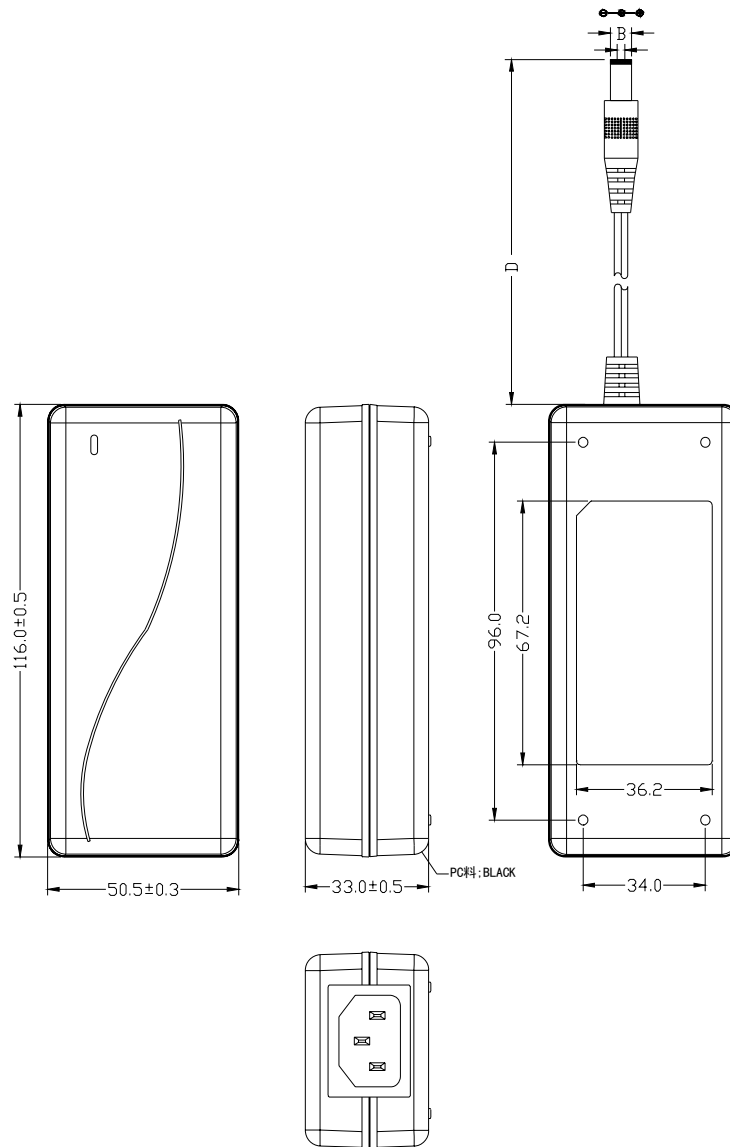
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EXTERNAL VIEW/外观图

MECHANICAL DIMENSION (UNIT IN mm)

外形尺寸 (单位: mm)

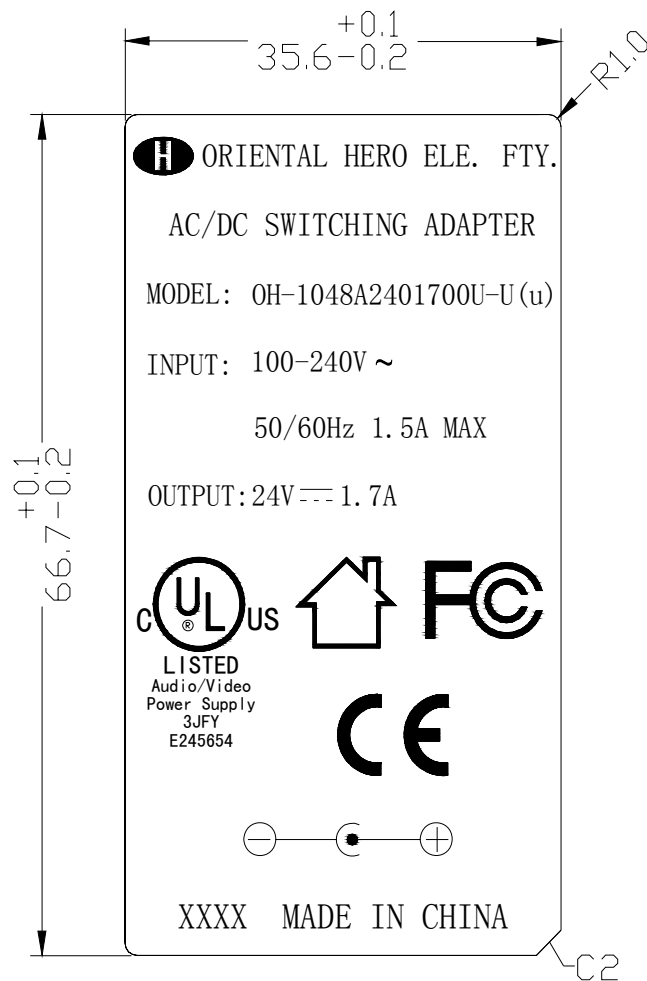


	ΦA	ΦB	C	D	E
DIMENSION/尺寸	2.5	5.5	12	1450	
TOLERANCE/公差	± 0.1	± 0.1	± 0.5	± 50	
NOTES (DC CORD)	AWG18#/2C UL2648				
NOTES (AC CORD)					

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NAME PLATE/铭牌



UNIT/单位: mm

TOLERANCE/公差: +0.1/-0.2

BACK COLOUR/底色: SILVER/银色

WORD COLOUR/字色: BLACK/黑色

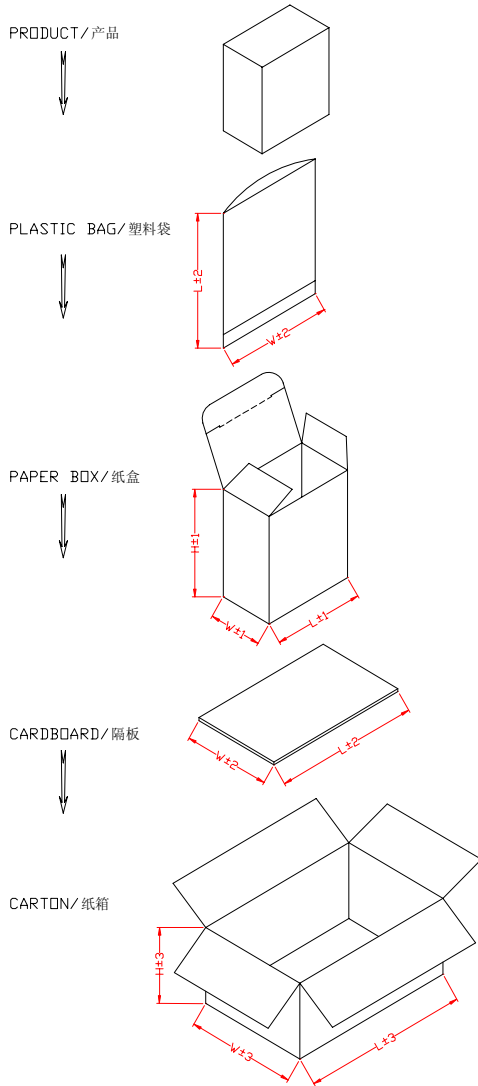
* PLEASE ADVISE IF ANY COMMENT ON NAME PLATE INFORMATION. OTHERWISE, THIS INFORMATION IS REGARDED AS CUSTOMER APPROVAL AND APPLY IN PRODUCTION.

铭牌资料供客户样品认可使用, 如有疑问, 请于样品认可前提出, 否则, 资料将视作客户认可并应用于生产上.

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PACKING DRAWING/包装示意图



MECHANICAL DIMENSION (UNIT IN mm) / 尺寸 (单位 mm):

	L	W	H
PLASTIC BAG/塑料袋	215.0	135.0	
PAPER BOX/纸盒	140.0	65.0	70.0
CARDBOARD/纸板	460.0	280.0	
CARTON/纸箱	480.0	300.0	255.0

PACKING METHOD/包装方式:

CARDBOARD PLACEMENT METHOD/纸板放置 方式	PUT A CLAPBOARD OVER AND UNDER THE PRODUCTS OF EACH LAYER, TOTAL 5PCS/每 层产品上下面均有一张平卡, 共4张。
PACKING METHOD / 装箱方式	(2*7)14PCS/LAYER X 3 LAYERS (2*7)14个/层 X 3 层
QTY/装箱总数	42PCS
N. G/单个成品净重	
G. W/毛重	

REMARK/备注:

- STORAGE CONDITION/保存条件
TEMPERATURE/保存温度: $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
RELATIVE HUMIDITY/相对湿度: 30% ~ 80%
- STORAGE TIME/保存时间: 6 MONTHES/6个月
- ANLISTATIC: NO REQUIREMENT/无抗静电要求.
- PLEASE ADVISE IF ANY COMMENT ON PACKING INFORMATION, OTHERWISE, THIS
INFORMATION IS REGARDED AS CUSTOMER APPROVAL AND APPLY IN PRODUCTION.
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