

# 规格承认书

## SPECIFICATION FOR APPROVAL

CUSTOMER NAME:

客户名称: \_\_\_\_\_

DESCRIPTION :

品名: **AC ADAPTOR** **CEC6**

MODEL NO. :

规格型号: **GPU480901000WAOO** I/P: 120VAC 60Hz  
O/P: 9VAC 1000mA

DESIGNED NO.

工程编号: **KC17082**

CUSTOMER PART NO.

贵公司料号: \_\_\_\_\_

REVISION.

版次: **A**

APPROVED BY(PLEASE SIGN)

客户承认签章

香港港程科技有限公司

Y 丰 y

东莞市阳源电子有限公司

DongGuanCity Yang Yuan Electronic Co Ltd

工厂地址:广东省东莞市常平镇岗梓大埔工业区坤豪A区二楼

Add: Changping town, dongguan city, guangdong province gang hao A

area on the second floor of catalpa tai Po industrial estate

# ENGINEERING CHANGE REQUEST

ORIGINAL/修改前	REVISION/修改后

REV	DATE	DESCRIPTION	REVISION OF CAUSES/修改原因:

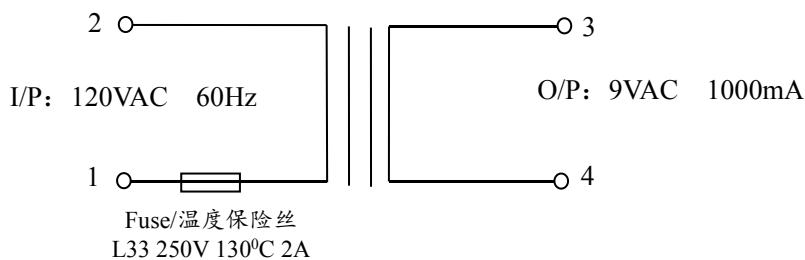
DRAWER/制定	CHECKED/审核	APPROVED/核准	CUSTOMER/客户	
邓惠娟	龙见灿	黄元坤	MODEL NO/型号	GPU480901000WAOO
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## 1.ELECTRICAL PERFORMANCE/电气特性:

1-1.Primary rated voltage and frequency: 120VAC 60Hz.

初级级额定电压及频率: 120VAC 60Hz.

1-2.ELECTRICAL CHARACTERISTICS/电气原理图:



1-3. Secondary rated voltage and current/次级额定电压及电流

TEST POINT /测试点	FULL LOAD RATED VOLTAGE /负载额定电压	RATED CURRENT /额定电流	VOLTAGE REGULATION /电压调整率	NO LOAD VOLTAGE /空载电压
3~4	9VAC±5%	1000mA		11.3VAC±5%

1-4.Primary exciting current(I<sub>o</sub>): 10mA rms max,at input 120VAC 60Hz.

初级空载电流(I<sub>o</sub>): 有效值最大 10mA 输入 120VAC 60Hz.

Loading(I<sub>L</sub>): 155mA rms max.

初级负载电流(I<sub>L</sub>): 有效值 155mA 最大.

1-5.D.C.Resistance: Primary: Ω±15%,measured at25°C.

初级直流电阻: Ω±15%,环境温度 25°C.

1-6.Empty loss max: 0.21watts max,at input 115VAC 60Hz.

最大空损: 0.21watts,输入 115VAC 60Hz.

1-7.效率 (Efficiency) When input voltage 115V/60Hz AC,the average efficiency of(25%50%75%100%)

Current at load shall be 81.34%)Min.Meet CEClevel VI.

1-8.Temperature rise: 85°C max on primary coil by the resistance method,and 45°C max on the surface of the case by the thermometer method at 25°C ambient,rated load condition.

额定负载下电阻法线圈最大温升 85°C.热偶法外壳表面最大温升 45°C,环境温度 25°C.

1-9.Insulation resistance: 500VDC supplied,100M ohms minimum between winding & core.

绝缘电阻: 线圈与铁芯间加 500VDC,绝缘电阻不小于 100MΩ.

1-10.HI-pot test: 1750VAC 50Hz for 60seconds (leakage current 1mA) primary to secondary&core.

耐压强度测试: 初级-次级、初级-铁芯压 1750VAC 50Hz 60 秒 (漏电流 1 毫安) 无击穿、无拉弧.

1200VAC 50Hz for 60seconds (leakage current 1mA) secondary to core.

次级-铁芯 1200VAC 50Hz 60 秒 (漏电流 1 毫安) 无击穿、无拉弧.

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1-11. Induce voltage : All secondary opened, primary should withstand 240V 360Hz for 60second without breakdown.

倍频倍压测试: 所有次级开路, 初级需承受电压 240V 360Hz 60 秒而无击穿.

1-12. Life test: In an ambient temperature of 25°C , 90-95% R.H., applying a power source of 120VAC 60 Hz to primary, with full load 1000 mA for 24 hours continuously, unit output normally and meet the requirements of item 1-8、1-9.

老化测试: 环境温度 25°C, 相对湿度 90-95%, 输入电压 120VAC 60 Hz 时, 带额定负载 1000mA 连续工作 24 小时, 产品输出正常且满足 1-8、1-9 项特性要求.

1-13. Humidity test: In an ambient temperature of 25±2°C and 90-95% R.H. for 48 hours after 10 minutes out of the oven, the unit should meet item 1-9 requirements, and insulation Resistance shall be 10M ohms minimum.

耐湿测试: 在环境温度 25±2°C, 相对湿度 90-95% 条件下放置 48 小时, 取出 10 分钟后, 产品需满足第 1-9 项要求, 且绝缘电阻不小于 10MΩ

**2. MECHANICAL CHARACTERISTICS/机械特性:**

2-1. Drop test: Dropped freely from 3 feet height onto a concrete floor covered with 1/8 inch vinyl tile 3 times from 3 different surface, the unit should meet the item 1-9

落地测试: 从 3 英尺高自由落下到表面铺有 1/8 英寸厚聚乙烯垫的水泥地板上, 三个不同面各一次, 产品需符合 1-9 项特性要求.

2-2. Strain relief test: At normal position, 10 lbs to output cord for 60 secods each, there shall be no breakage displacement.

S/R 吊重试验: 在正常位置, 输出线需吊重 10 英磅, 持续 60 秒钟不可断裂. S/R 不可有移位现象.

2-3. Bending test: The plug and S/R should withstand weight of 200 gram, swinging from left to right at an angle of 120 degree for 1500 cycles, and 40cycles per minute. The cord shall be conductible.

摇摆测试: 输出线吊重 200 克, 摆动角度 120 度, 每分钟 40 来回, 1500 个来回后仍需导通.

**3. SAFETY STANDARD/安规标准:**

◇ Meet/符合

◆ Approved/认可

◆ UL/CUL

◇ CSA

◇ TUV/CE

◇ BSI/CE

◇ T-MARK

CQC

◇ CCC

**4. INSULATION SYSTEM/绝缘系统:**

◇ CLASS A (105°C)

◇ CLASS E (120°C)

◆ CLASS B (130°C)

◇ CLASS F (155°C)

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**5. MECHANICAL REQUIRMENTS/外观要求:**

5-1. Appearance: Damage and rusting are not permitted.

外观: 无损伤无锈迹

**6.ENVIROMENTAL CONDITION/外部条件:**

6-1.Operating temperature range: -10°C---+40°C

正常工作温度: -10°C---+40°C

6-2.Storage temperature range: -20°C---+80°C

存贮温度: -20°C---+70°C

6-3.Operation humidity range: 30---85% R.H

正常工作湿度: 30---85% R.H

**7.INSPECTION ON LINE/线上检测:**

7-1. The test items for each produce/全检项目

- ◆ Primary exciting current/初级激磁电流
- ◆ Core loss/铁芯损耗
- ◆ Output voltage/输出电压
- ◆ Input current and power at rated load/输入电流及功率
- ◆ Foreign mass by shock/敲击听异物
- ◆ Polarity of output plug/输出极性
- ◆ Hi-pot test/耐压测试
- ◆ Apperance/外观检查

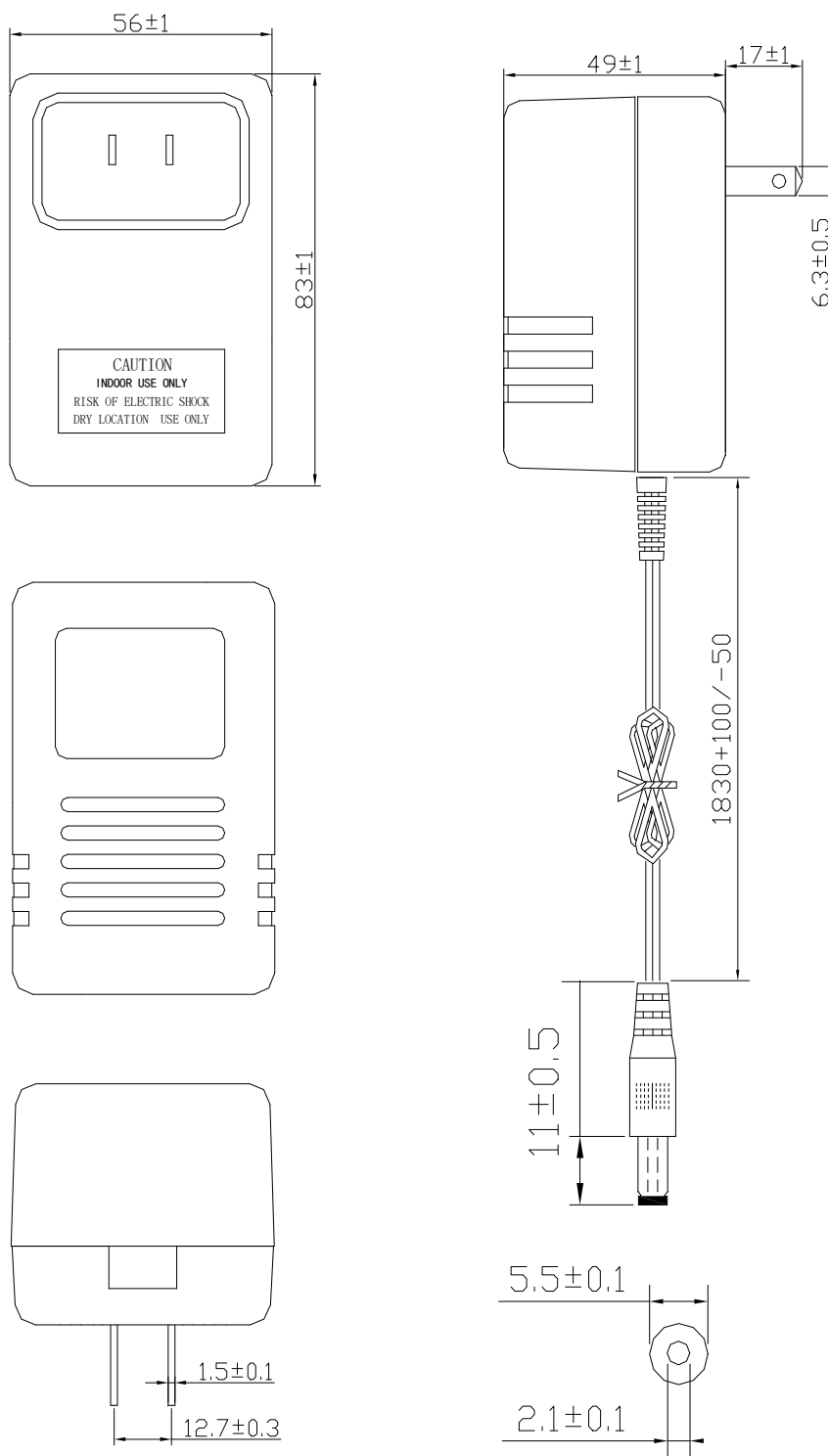
7-2. The test item for part of products/抽测项目:

- ◆ Hum operating at rated load/额定负载时哼声
- ◆ D.C.Resistance/直流电阻
- ◆ Insulation test/绝缘测试

**8.NET WEIGHT/单体净重/g**

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9.APPEARANCE DIMENSION/外观尺寸图：(UNIT/单位：mm)



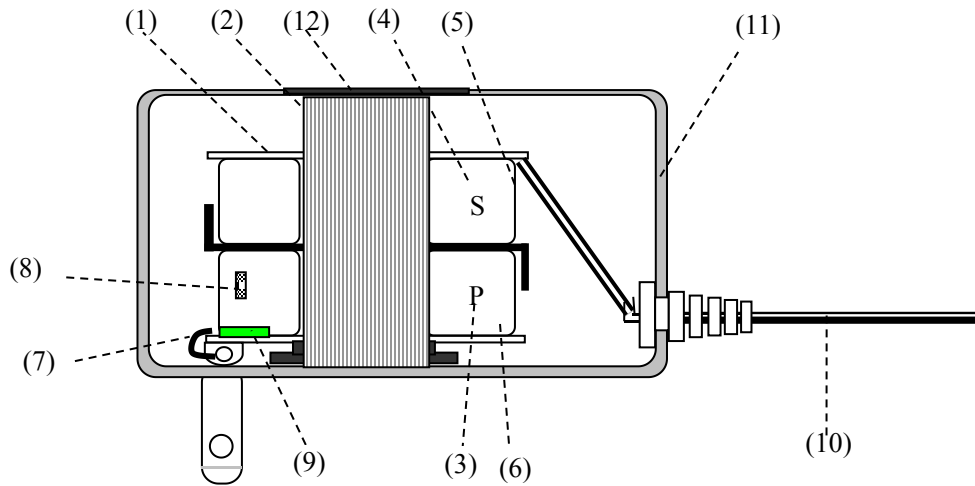
OUTPUT CORD/输出线： 2468#22AWG 1.83M 直头

PLUG/DC 插头：  $5.5 \pm 0.1$ mm\* $2.1 \pm 0.1$ mm\* $11 \pm 0.5$ mm

CENTER/中心：

DRAWER/制定	CHECKED/审核	APPROVED/核准	CUSTOMER/客户	
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# 10.MATERIAL LIST /材料明细:



ITEM M 序号	PARTS NAME 材料名称	MATERIAL&SPEC 材质	Q'TY 数量	MANUFATURER 供应商			
1.	BOBBIN 线架	Nylon CLASS B 尼龙	THICK0.71mm MIN	E I DUPONT DE NEMOURS&CO INC(E41938M)			
2.	CORE 铁芯	E-I LAMINATED SILICON STEEL/E-I 硅钢片		BEST LEGEND HUI DINGS LTD			
3.	PRI.WINDING 初级线圈	2UEW MAGNET WIRE CLASS B 2UEW 漆包线		PACIFIC ELECTRIC WIRE & CABLE CO., LTD			
4.	SEC.WINDING 次级线圈	2UEW MAGNET WIRE CLASS B 2UEW 漆包线		JUNG SHING WIRE CO., LTD E201757/E174837			
5.	SEC.OUTER INSULATION 次级绝缘	MYLAR TAPE 0.025mm 玛拉胶带 0.025mm		JING JIANG PRESSURE SENSITIVE CO.,LID E165111(N)			
6.	PRI.OUTER INSULATION 初级绝缘	MYLAR TAPE 0.025mm 玛拉胶带 0.025mm					
7.	LEAD WIRE/引线	UL1015# AWG22 红色		CHINA LONSID ELECTRONIC CO.,LTD E251728/E21382/E189474/E332522 E249743			
8.	PROTECTION 保护器	THERMAL CUTOFF130℃ 2A 250V 温度保险 L33		JOINT FORCE METAL RESEARCH & CO JING JIANG ZING CHENG ELECTROTICS CO.,LTD E142267/R2134811/E140847			
9.	Primary Crossover Insulation/ 初级直立绝缘	ACETATE CLOTH TAPE CLASS B/皱纹胶		DUCK SUNG TAPE CO.,LTD(E105147)			
10.	OUTPUT CORD/输出 线	2468#22AWG 黑色		XIN LONG ELECTRONIC CO.,LTD. E332522 E157717E164535/E189674/E341894/E49420 5			
11.	ENCLOSURE/外壳	48# UL 插黑色		WEI DA INDUSTRIAL CO.,LTD			
12.	NAMEPLATE 铭牌	PVC(UL/CSA)OR ALUMINUM PVC(UL/CSA 认可)或铝质		YOUNG TONE PRINTING MFG MH27610			
13.							
14.							
NOTE	Vannish/凡立水	VARNISH V-1630FS		VIKING ELECTRONIC CO., LTD E60614			
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# 11.SAMPLE TEST DATA/样品测试报告:

ITEM/项目	SPEC/范围	SAMPLE/样品编号					
		#1	#2	#3	#4	#5	#6
PRIMARY EXCITING CURRENT 初级空载电流(I <sub>0</sub> ) I/P: 120VAC 60Hz	10mA MAX	5.89					
PRIMARY FULL LOAD CURRENT 初级负载电流(I <sub>L</sub> ) I/P: 120VAC 60Hz	155mA MAX	103.1					
SECONDARY VOLTAGE 次级电压 NO LOAD/空载(V <sub>O</sub> )	11.3VAC±5%	11.28					
SECONDARY VOLTAGE 次级电压(V <sub>L</sub> ) FULL LOAD/负载: AC 1000mA	9VAC±5%	9.21					
NO LOAD CORE LOSS 空载损耗(P <sub>0</sub> ) I/P: 115VAC 60Hz	0.21W MAX	0.198					
Hi-pot test 耐压	PRI.TO SEC-CORE 初级-次级-铁芯	AC 1750V/1mA/50Hz/60Seconds 交流 1750V/1mA/50Hz/60 秒	OK	OK			
	SEC.TO CORE 次级-铁芯	AC 1200V/1mA/50Hz/60Seconds 交流 1200V/1mA/50Hz/60 秒	OK	OK			
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## 12.SAMPLE TEST DATA/样品测试报告:

### CEC TEST DATA(SAMPLE1) 冷机测试 V

Input : 115 V / 60 Hz

Load(%)	Output Current		Output Voltage		O/P Power		I/P Consumption		Efficiency
		mA	V		W		W		
0%	0	mA	10.83	V	0	W	0.198	W	
25%	250	mA	10.35	V	2.5875	W	2.87	W	90.15%
50%	500	mA	9.81	V	4.905	W	5.61	W	87.43%
75%	750	mA	9.23	V	6.9225	W	8.46	W	81.82%
100%	1000	mA	8.65	V	8.65	W	11.23	W	77.02%

Level V  
Efficiency

81.34 %

Average  
Efficiency

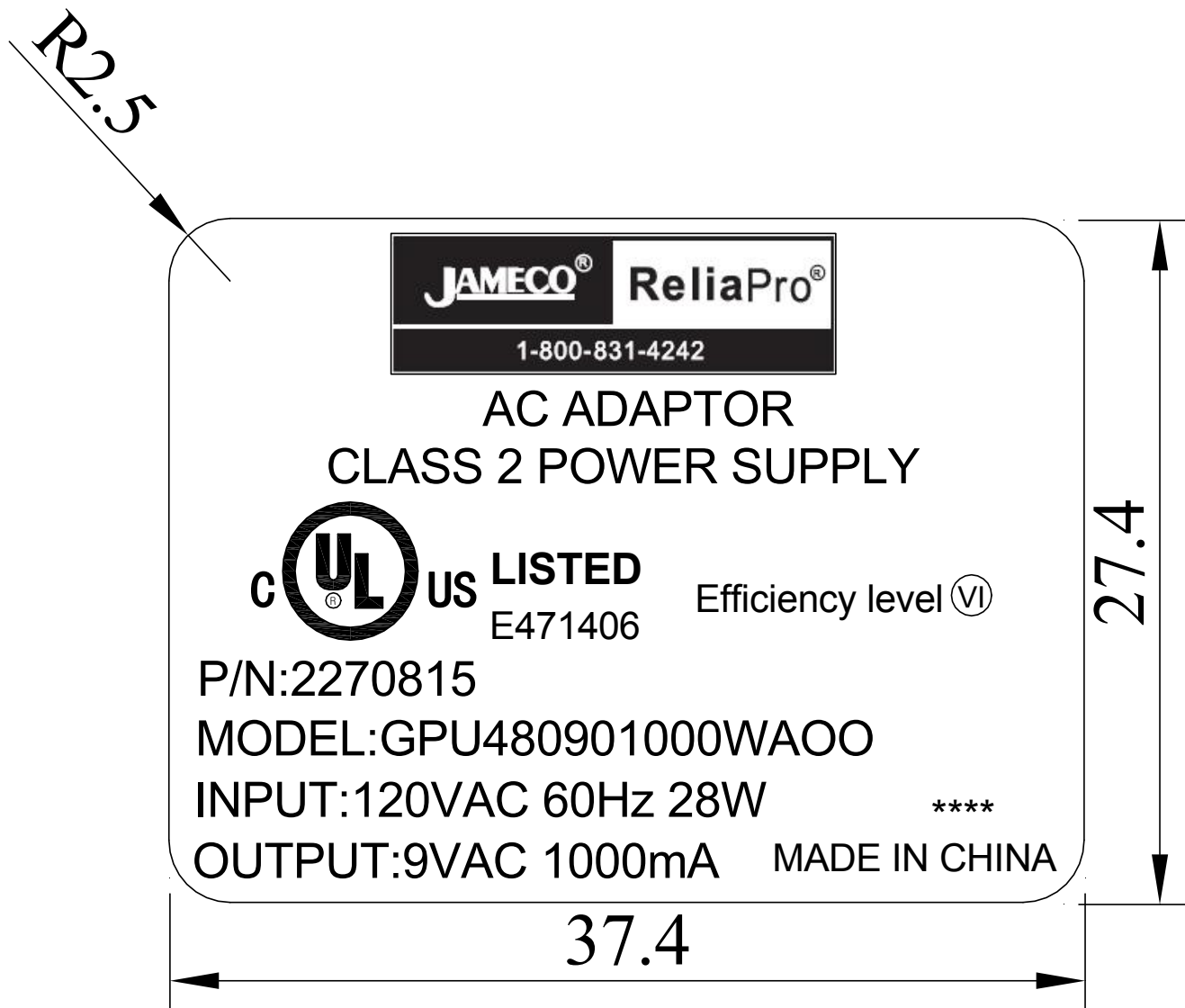
84.1% %

**OK NG**

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13.NAMEPLATE DRAWING/铭牌图案:

Unit: mm  
单位: (mm)

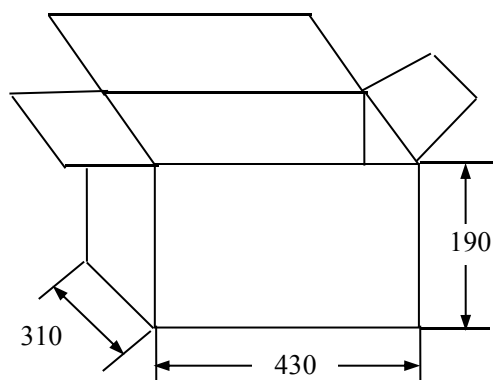


NOTE:

- 1、材质 PVC 0.17mm THICK MIN
- 2、银底黑字
- 3、自粘型
- 3、\*\*\*\*前两个表示年份后两个表示月份

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## 14.PACKING/包装



(外箱尺寸)

L: 430mm W: 310mm H: 190mm

### 13-1: 外箱

- 1、依照图面尺寸制作，尺寸为外径尺寸，
- 2、材质：外箱使用B=B纸，
- 3、使用机种：EI-48。
- 4.白盒(100\*57\*80)
- 5.包装数量：40PCS/箱  
每层5排4行，每箱二层。

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