



SPECIFICATION FOR APPROVAL

CUSTOMER: _____

DESCRIPTION: I.T.E. POWER SUPPLY REV: (A0)

MODEL NO: HK-AB-240A125-CP6 PART NO: HKSC-170400

DESIGNED NO: 170400-0613 DATE: JUL.31th.2017

CUSTOMER APPROVED SIGNATURES			VENDOR APPROVED SIGNATURES		
			A circular blue stamp with the text '經理' (Manager) at the top, '2017.07.31' in the middle, and '田青松' (Tian Qingsong) at the bottom.	A circular blue stamp with the text '課長' (Section Chief) at the top, '2017.07.31' in the middle, and '歐陽建瓊' (Ouyang Jianqiong) at the bottom.	A circular blue stamp with the text '繪圖員' (Draftsman) at the top, '2017.07.31' in the middle, and '羅珍珍' (Luo Zhenzhen) at the bottom.



SPECIFICATION CHANGE HISTORY

CUSTOMER		PART NO		HKSC-170400
MODEL NO		HK-AB-240A125-CP6	REV	(A0)
REV	DATE	DESCRIPTION		REMARKS
A0	17.07.31	新發行承認書. (New issue)		羅珍珍
SAFETY APPROVAL:		ENGINEER APPROVAL:		
張偉松		ELECTRICAL	STRUCTURAL	
		歐陽建瓊	陳 銘	



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1.0 INTRODUCTION

This document specifies a switching power supply with a output of +24V, and electronic process. The switching power supply will provide power for technology equipments including electrical business equipment. The adaptor meets the requirement of lead free and RoHS.

2.0 INPUT REQUIREMENTS

2.1 Input Voltage Range: 100(-10%)VAC to 240(+10%)VAC

2.2 Input Frequency Range: 47 Hz to 63 Hz

2.3 Input Power Consumption at no-load : 0.1W Max

2.4 Input In-rush Current: 50A Max

Test condition will be tested after No load operating for 30min then measure it.

2.5 Input Current: 0.8A Max

3.0 OUTPUT REQUIREMENTS

3.1 Output Voltage: +24V

3.2 Output Regulation: 22.8-25.2V DC

3.3 Output Load Range: 0-1.25A

3.4 Output Ripple & Noise: 240mV Max @20MHz bandwidth with
10UF/50V capacitance and 104/50V ceramic capacitor.

4.0 EFFICIENCY: $\geq 86.95\%$ @ average of 25/50/75/100% loads 115V&230VAC input

Test condition will be tested after full load operating for 30min then measure it.

5.0 LINE REGULATION: $\pm 2\%$ maximum

6.0 HOLD UP TIME: 10ms Min at 110VAC full load.

7.0 TURN ON TIME: 2S Max at 110VAC full load.



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8.0 TEMPERATURE COEFFICIENT: 0.05%/°C

9.0 DIELECTRIC STRENGTH (Hi-Pot) TEST

9.1 Primary to Secondary :AC 3000 Vrms ,4mA,1minute for type test,
2 second for production test.

10.0 INSULATION RESISTANCE

Primary to secondary: 50M OHM to 500VDC.

11.0 PROTECTION

11.1 Input Protection

The switching power supply has a 2 Amps inner current fuse to protect itself.

11.2 Output Protection

11.2.1 Output Current:

Overload conditions shall decrease the output voltage. Removal of an output overload shall provide automatic recovery for the output voltage.

11.2.2 Short Circuit Protection: Auto Recovery.



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12.0 ENVIRONMENTAL CONDITIONS

The switching power supply can withstand the following environmental conditions:

12.1 Storage Temperature:-20°C ~ +70 °C

Relative Humidity: 10% ~ 95%

12.2 Operation Temperature:0°C~40°C

Relative Humidity: 10%~95%

13.0 EMI / EMC

The switching power supply has approved by the following standards:

EN55032:2015 IEC61000-4-3:2006/A1:2007/A2:2010
EN61000-3-2:2014 IEC61000-4-4:2012
EN61000-3-3:2013 IEC61000-4-5:2014
EN55024:2010+A1:2015
IEC61000-4-2:2008 IEC61000-4-6:2013
IEC61000-4-8:2009
IEC61000-4-11:2004
FCC PART 15 Class B
CISPR 32:2015(Ed2.0) AS/NZS CISPR 32:2015;
CISPR 24:2010+A1:2015(Ed2.1)
J55022(H22) GB17625.1-2012; GB 9254-2008

14.0 RELIABILITY AND QUALITY CONTROL

14.1 Burn-in

The burn-in test will be performed at least 2 hours at 40 centigrade degrees under full load condition.

14.2 MTBF

When the operation is complying with this specification, the switching power supply's MTBF will be 100,000 hours at 25 centigrade degrees.

15.0 SAFETY

The switching power supply has approved by the following safety standards:

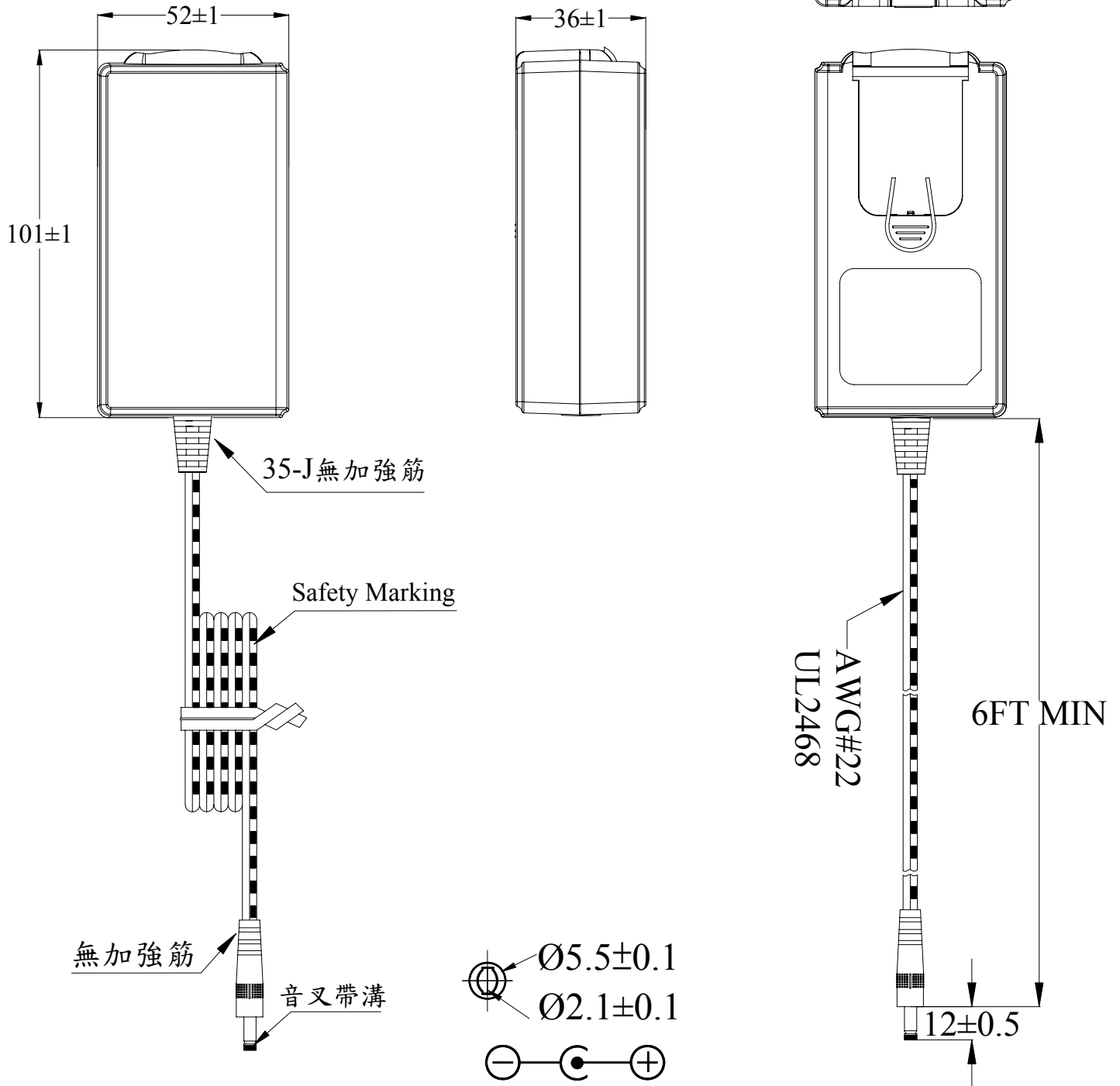
UL 60950-1, 2nd Edition,2014-10-14 CSA C22.2 NO.60950-1-07, 2nd Edition,2014-10
EN60950-1:2006+A11+A1+A12+A2 BS EN60950-1:2006+A2
AS/NZS 60950.1:2015 J60950-1(H27) GB4943.1-2011



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16. OVERALL DRAWING

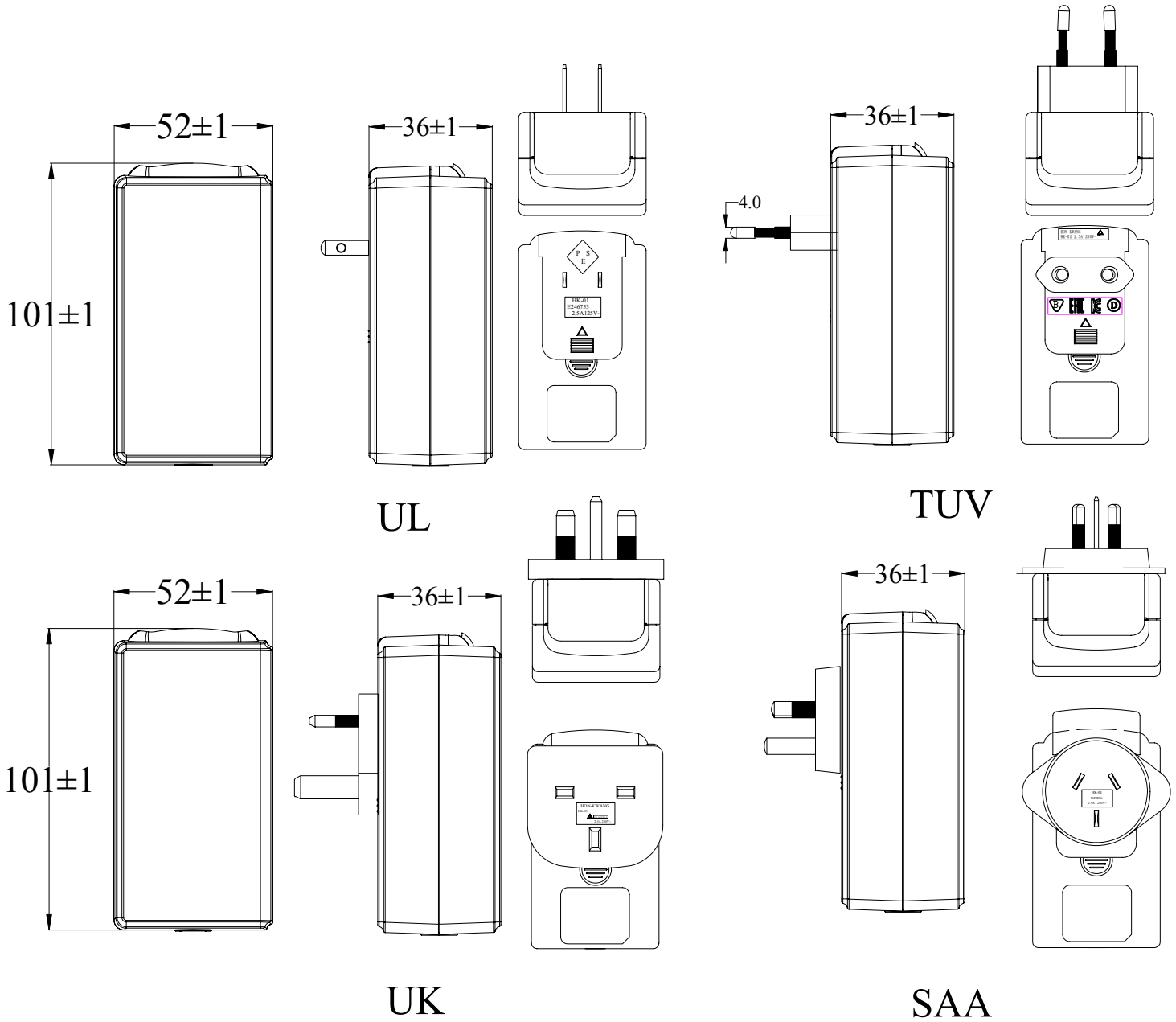
UNIT: mm
COLOR: BLACK





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UNIT: mm



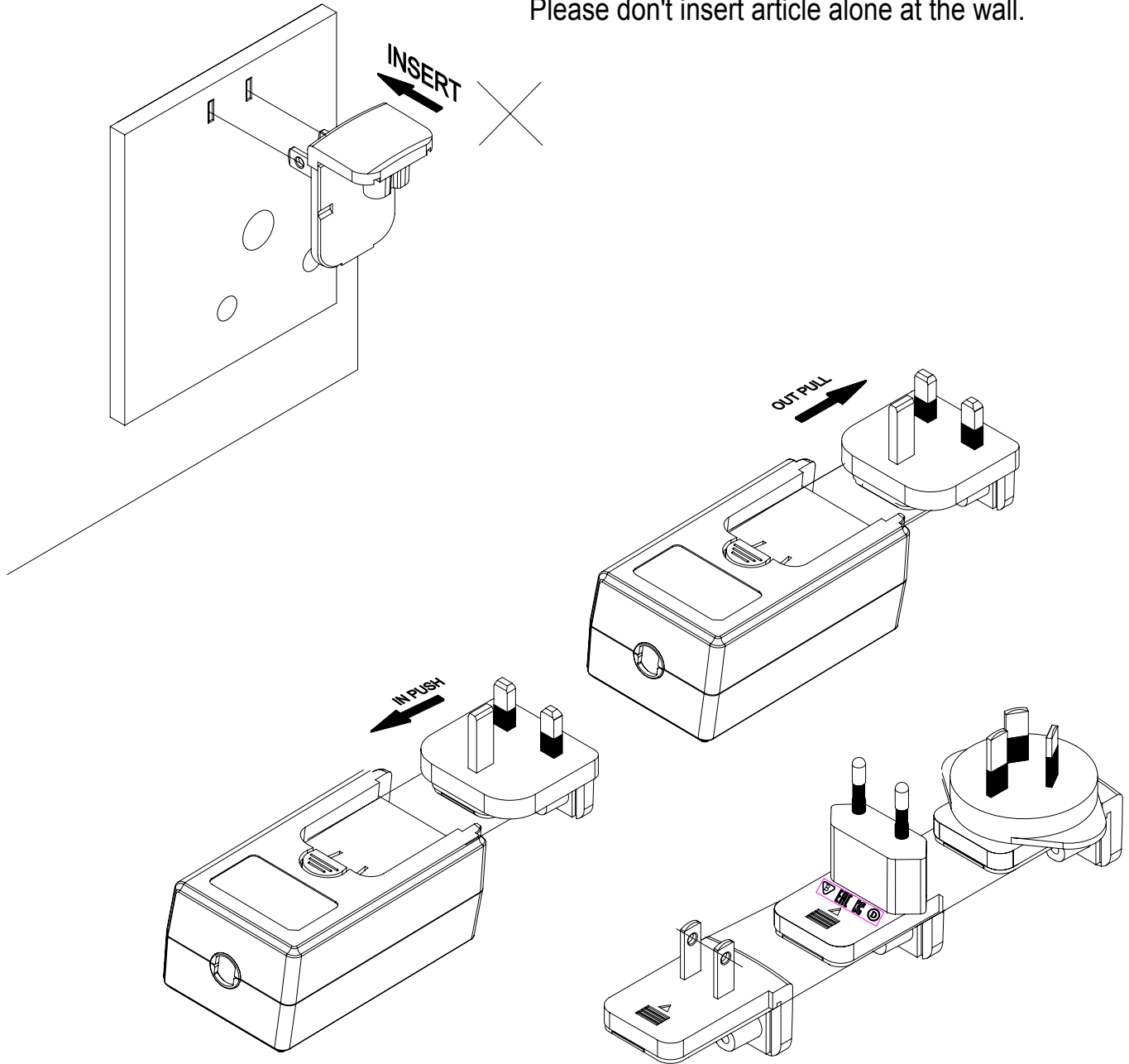


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17. USE SPECIFICATION

WARNING!

Please don't insert article alone at the wall.





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18. PACKING

18.1 Inner Box

UNIT: mm

BOX(Normal BOX Corrugated BOX)

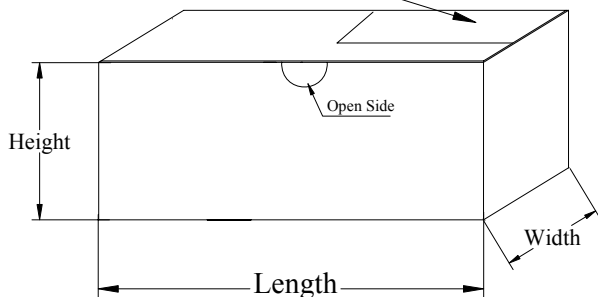
Length:145

Width:75

Height:65



標籤貼于白盒右上角,如下示意圖:



注:

1. 標籤顏色紅色部份色號為: Pantone 485C, 黑色部份色號為: Black;
2. 144-0957為客戶RS編號及條碼掃描內容, 字高為4mm min,條碼為EAN128 format;
3. 25HK-AB-240A125-CP6-RS為客戶料號, 字高為2.7mm min;
4. Made in China字高為2.7mm min;
5. 1為出貨批次, 第一批為1,第二批為2, 以此類推;
6. YY/WW為週期, Year/Week.

NOTICE:

Its probably different from the white box of the sample and the figure dimension. The white box is used to pack during product.

注意:樣品使用的小白盒尺寸可能與此圖面尺寸不同,此圖面尺寸是用于生產時的包裝.

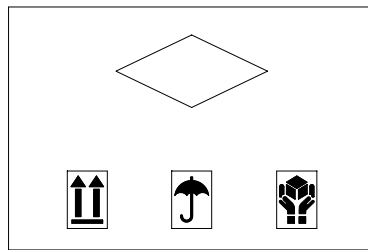


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18. PACKING

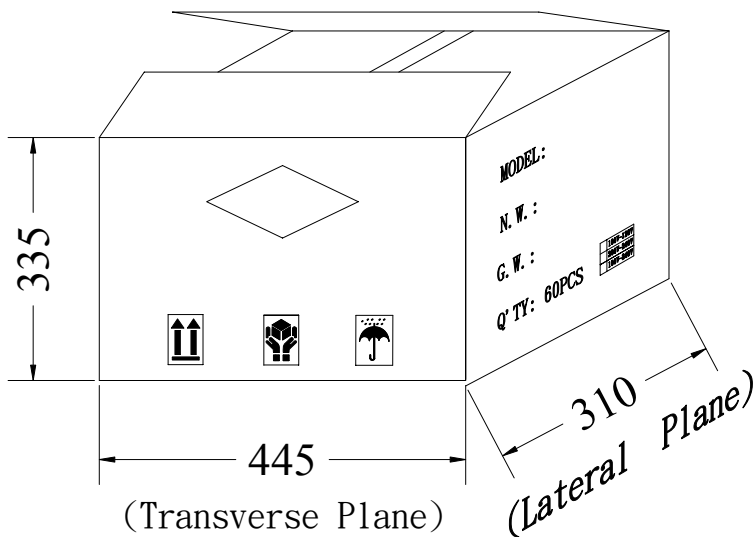
18.2 Carton

UNIT: mm



MODEL:	
N. W. :	
G. W. :	
Q' TY: 60PCS	

100V-120V
200V-240V
100V-240V





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19. MARKING

100# CPC 壓花底+上光 NAME-PLATE:WHITE CHARACTERS BLACK BACKGROUND.

UNIT: mm

MMYYC
 | |
 month year
 made in China
 by Hon-kwang

