

SPECIFICATION FOR APPROVAL

CUSTOMER: **Ideal Power**

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

MODEL NO: HK-AJ-090A266-CP PART NO: HKSC-111957
ROHS Compliance

DESIGNED NO: 111957-1109 DATE: NOV.09th.2011

CUSTOMER APPROVED SIGNATURES			VENDOR APPROVED SIGNATURES		
					

QR-1-26A

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1.0 INTRODUCTION

This document specifies a switching power supply with a output of +9V, 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 : 0.3W Max

2.4 Input In-rush Current: 50A Max

2.5 Input Current: 0.8A Max

3.0 OUTPUT REQUIREMENTS

3.1 Output Voltage: +9V

3.2 Output Regulation: 8.55-9.45V

3.3 Output Load Range: 2.66A

3.4 Output Ripple & Noise: 200mV Max @20MHz bandwidth with
10UF/50V capacitance and 104/50V ceramic capacitor.

4.0 EFFICIENCY: $\geq 82.20\%$ @ average of 25/50/75/100% loads 115/230VAC input

5.0 LINE REGULATION: 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 Finished product withstands AC 3.0KV, for 2 second, 4mA Max primary to secondary.

9.2 Finished product withstands AC 3.0KV, for 2 second, 4mA Max primary to case.

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:

FCC PART 15B AS/NZS 55022/55024

(1)EN55022(EN61000-3-2. EN61000-3-3)

(2)EN55024(IEC61000-4-2. IEC61000-4-3. IEC61000-4-4.

IEC61000-4-6. IEC61000-4-8. IEC61000-4-11.)

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 50,000 hours at 25 centigrade degrees.

15.0 SAFETY

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

UL60950-1 2nd Edition ,2007-03-27 CSA C22.2 NO.60950-1-07,

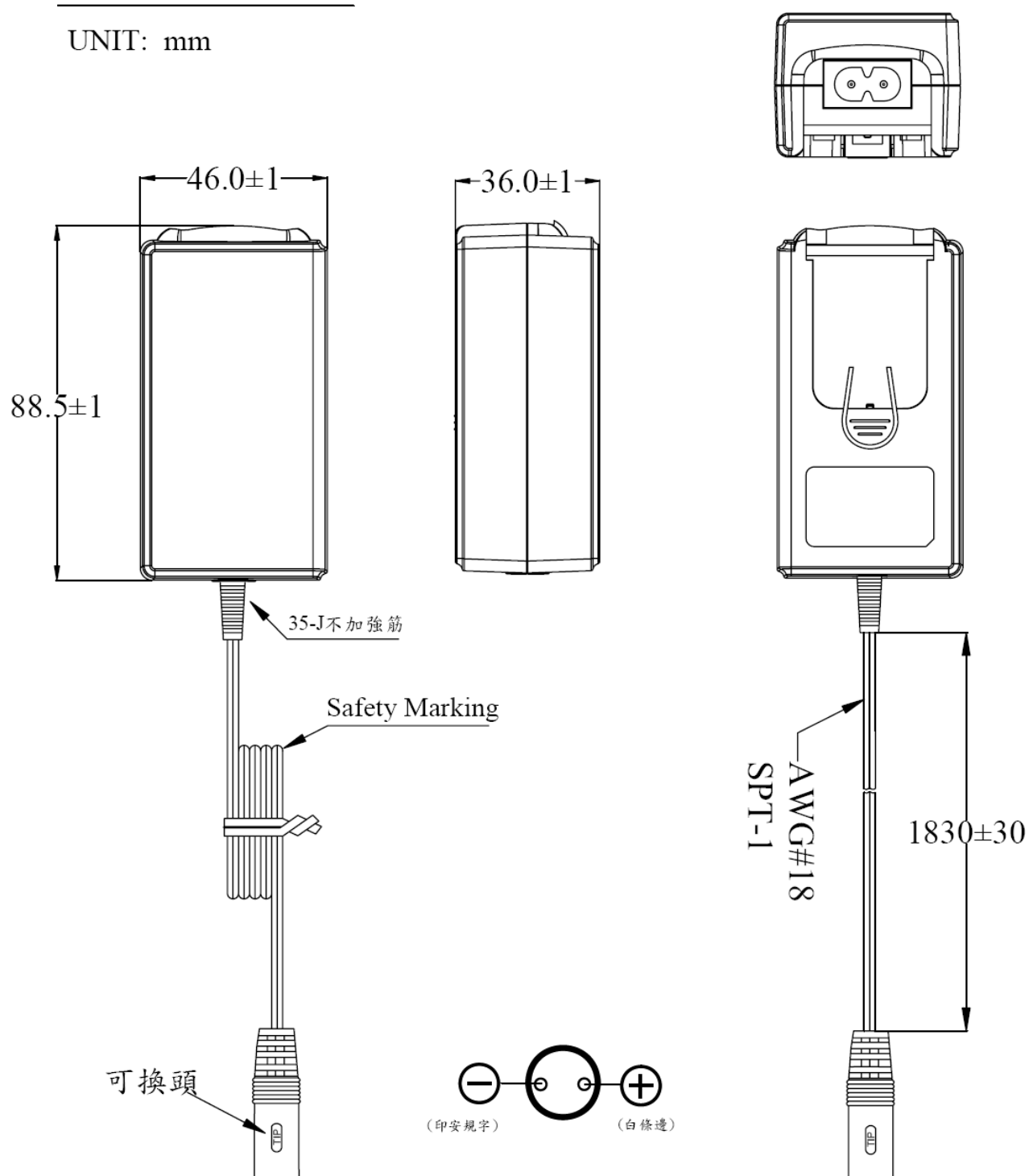
2nd Edition.2007-03 EN 60950-1:2006+A11 BS EN60950-1:2006

AS/NZS 60950.1:2003 +A1+A2+A3

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16. OVERALL DRAWING

UNIT: mm



UNIT: mm

The image displays technical drawings of the HX-01 power adapter. The main dimensions are 88.5±1 mm in height and 46.0±1 mm in width. The adapter is shown with four different plug configurations: UL (two-prong), TUV (two-prong with ground), UK (three-prong), and SAA (two-prong with ground). Each configuration includes a side view, a top view, and a front view. The front view of the UL and TUV versions shows a label with the model number HX-01, input/output specifications, and safety symbols. The front view of the UK version shows a label with the model number HX-01 and input/output specifications. The front view of the SAA version shows a label with the model number HX-01 and input/output specifications. The side view of the UL and TUV versions shows a ground pin. The side view of the UK version shows a ground pin. The side view of the SAA version shows a ground pin. The top view of the UL and TUV versions shows two prongs. The top view of the UK version shows three prongs. The top view of the SAA version shows two prongs. The bottom view of the UL and TUV versions shows a label with the model number HX-01 and input/output specifications. The bottom view of the UK version shows a label with the model number HX-01 and input/output specifications. The bottom view of the SAA version shows a label with the model number HX-01 and input/output specifications.

88.5±1

46.0±1

36.0±1

4.0

UL

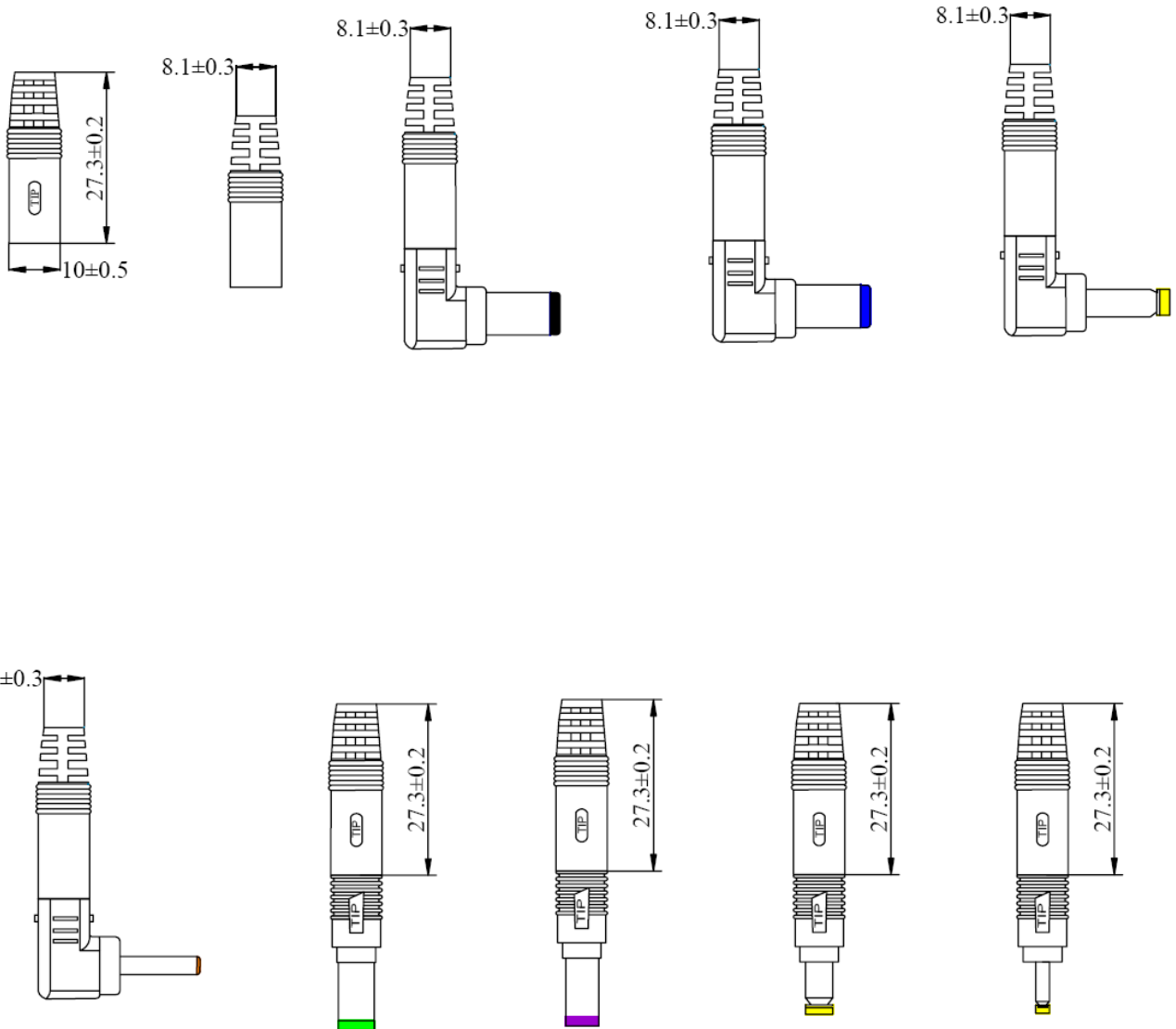
TUV

UK

SAA

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UNIT: mm

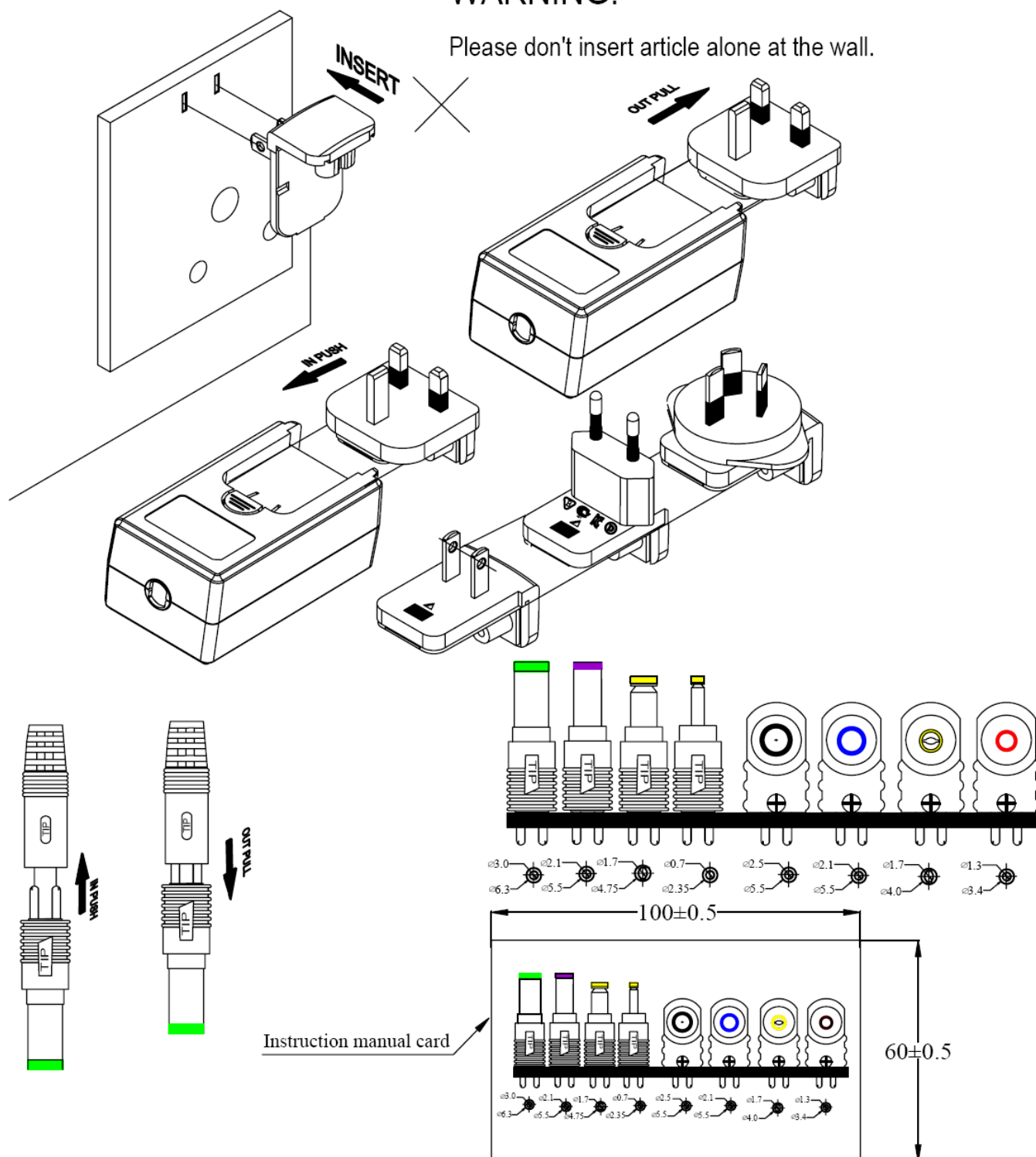


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17. USE SPECIFICATION

WARNING!

Please don't insert article alone at the wall.



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18. PACKING

18.1 Inner Box

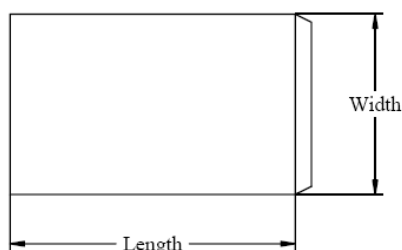
UNIT: mm



PE BAG

Length :

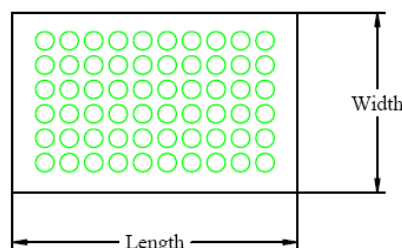
Width :



BUBBLE BAG

Length:

Width:

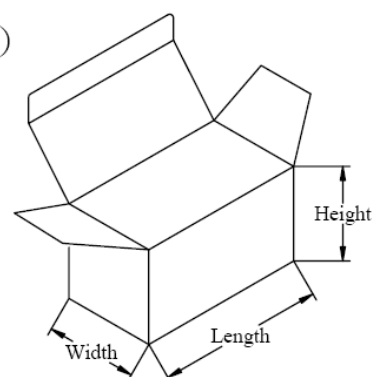


BOX(☒ Normal BOX ☐ Corrugated BOX)

Length: 145

Width: 75

Height: 65



NOTICE:

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

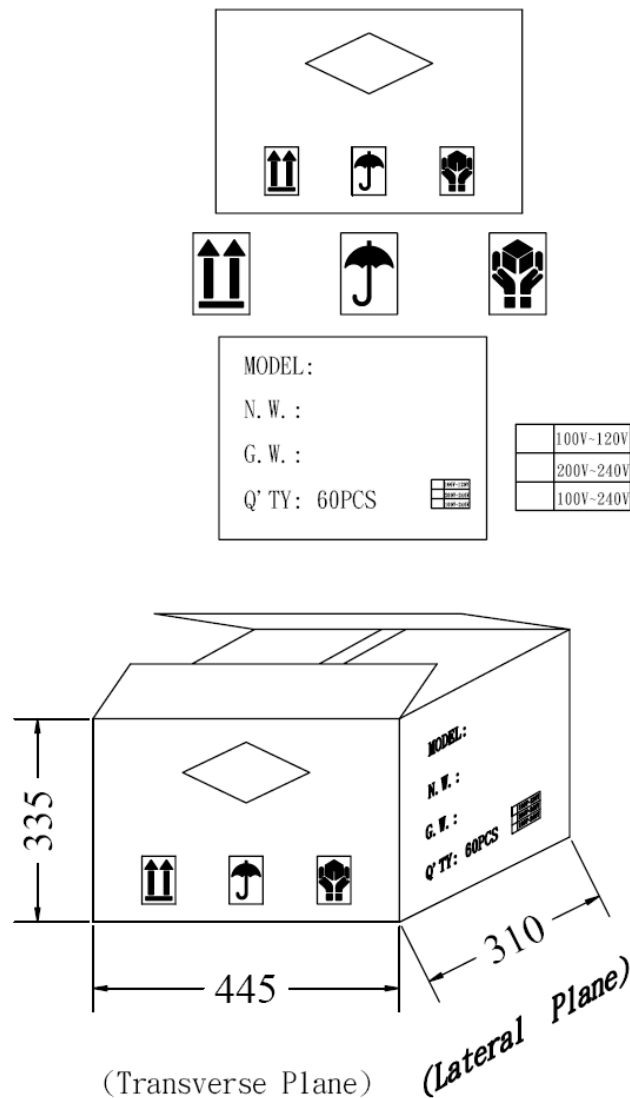
注意: 樣品使用的小白盒尺寸可能與此圖面尺寸不同, 此圖面尺寸是用于生產時的包裝.

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18. PACKING

18.2 Carton

UNIT: mm



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19. MARKING

200# CPC 霧面合成紙 NAME-PLATE:WHITE CHARACTERS BLACK BACKGROUND.

UNIT: mm

M M Y Y C
 | | |
 month year
 made in China
 by Hon-kwang

