



英格爾科技股份有限公司

ENG ELECTRIC CO., LTD.

Revision: 01

Approval Sheet

CUSTOMER: WW73


CUSTOMER MODEL NO.: _____

ENG MODEL NO.: 3A-10CWX05

ENG PART NO.: @3A-10CWX05-022

DESCRIPTION: SWITCHING POWER SUPPLY

DATE: 2010/8/3

PREPARED	DESIGNED	CHECKED	APPROVED
			

APPROVAL DATE:

CUSTOMER APPROVAL		

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SHENZHEN ENG ELECTRONICS CO., LTD.

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1 Product Characteristics:

1.1 General Description

Model 3A-10CWX05 is a universal switching-mode power supply, operating at input voltage 90VAC to 264VAC and output voltage of 5VDC with 2A DC load

1.2 Electric Characteristics

1.2.1 Input

No	ITEM	SPECIFICATION
1.	Rated input Voltage	AC100V-240V
	Vibration input Voltage Range	AC90V-264V
2.	Frequency Rated	50-60Hz
	Frequency Vibration	47-63Hz
3.	Input Rated Current	300mA RMS Max
	Inrush Current	25A Max .at 115vac cool start
		50A Max .at 230vac cool start
4.	Leakage current	0.25mA
5.	Average Efficiency	73.37% Min CEC Compliant
6.	Standby Power(No Load)	0.3W Max CEC Compliant

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1.2.2 Output:

No	ITEM	SPECIFICATION
1.	Output Voltage	5VDC± 5%
2.	Output max. Current	2A
3.	Output min. Current	0A
4.	Line regulation	± 1%
5.	Load regulation	± 5%
6.	Short circuit protection	Output shut down and auto restart
7.	Ripple Voltage (Full load)	240mV (p-p) (100V-240VAC)

1.2.3 HI-POT SPECIFICATION

Input to output : 3000VAC 10mA 1 minute.

1.2.4 Insulation resistance:

Input to output: 500vdc to test the input to output resistance not be less 100M ohm

1.2.5 Safety approved: Meet PSE

1.2.6 EMI standard : Meet FCC PART 15

1.2.7 PB-free standard: RoHS Compliant

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1.3 Mechanical Characteristics

1.3.1 AC plug: Direct plug-In UL Type.

1.3.2 DC cord:

(1) Bending test: Life 1000 times 100% guarantee. Swings 120 from

Left to right loading weight 200g , 40 cycle/minute.

(2) Pull test : DC cord and plug , weight 6kg for 1 minute.

1.3.3 Cord length and output plug: See Reference Att.4

1.3.4 Weight : N/A g

1.3.5 Case Size: (L)60 X (W) 44 X (H) 25mm

1.3.6 Normal operating temperature and humidity

1.3.7 Temperature

Operating: 0 °C to 40°C

Storage : -10°C to 70°C

1.3.8 Humidity

Operating : 20% to 80%.

Storage: 10% to 90%

2.Attachment:

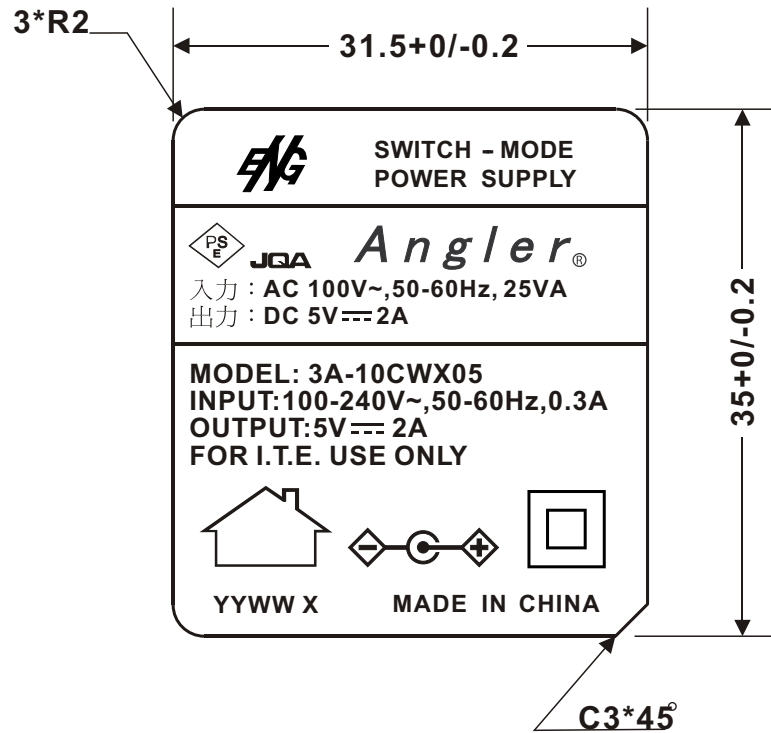
(Att.1) Label

(Att.2) Outdrawing

(Att.3) Package

(Att.3.1) Package flow chart

(Att.4) Dc cord drawing



UNIT: mm

YYWW X YY:YEAR WW:WEEK X=S or A(S:FU YONG A:DONG GUAN)

ALUMINUM NAMEPLATE:○ BLACK WORD ON SILVER BASE(銀底黑字)
(鋁板)

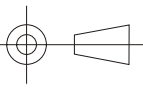
○ SILVER WORD ON BLACK BASE(黑底銀字)

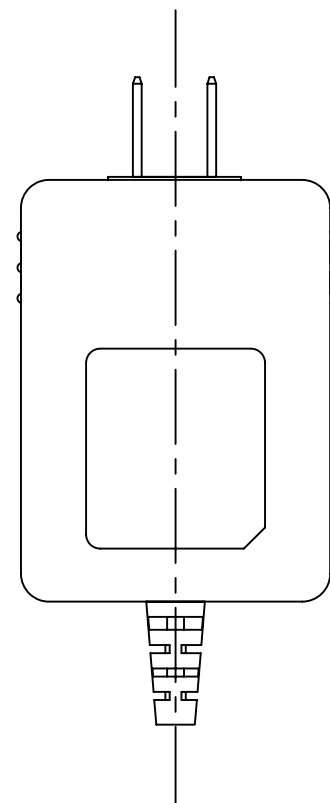
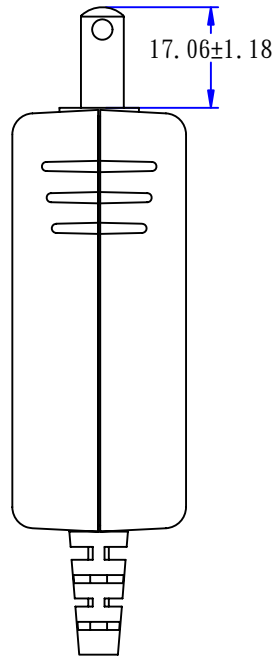
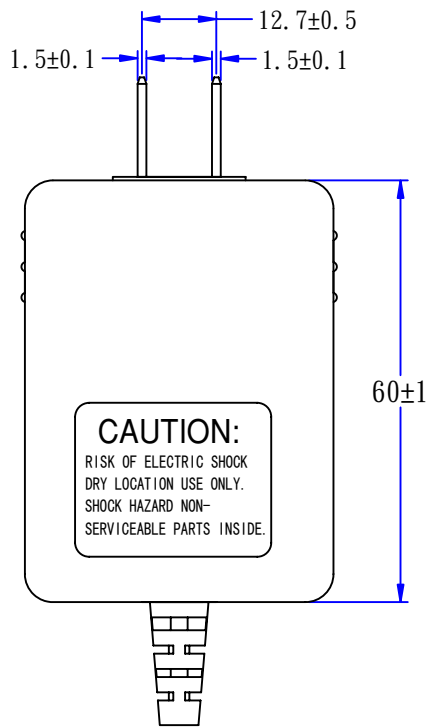
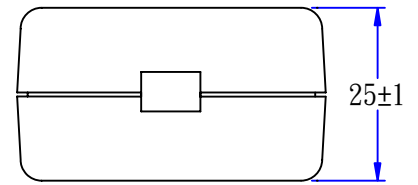
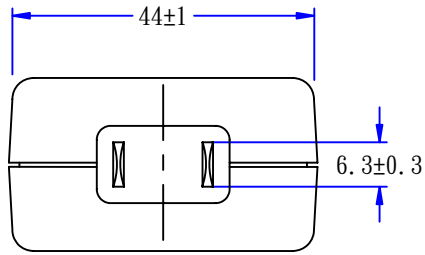
METALIZED POLYESTER:○ BLACK WORD ON SILVER BASE(銀底黑字)
(消銀龍)

● SILVER WORD ON BLACK BASE(黑底銀字)

@3A-10CW05-020

TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	DATE
Dragon	ChenXQ	Bill		UNITS	LABEL
			mm	DRAWING No.	
			SCALE	@N20-WW7300-A28	
			2:1	DRAWING NAME	REVISION
SHENZHEN ENG ELECTRONICS CO., LTD.				1002	01

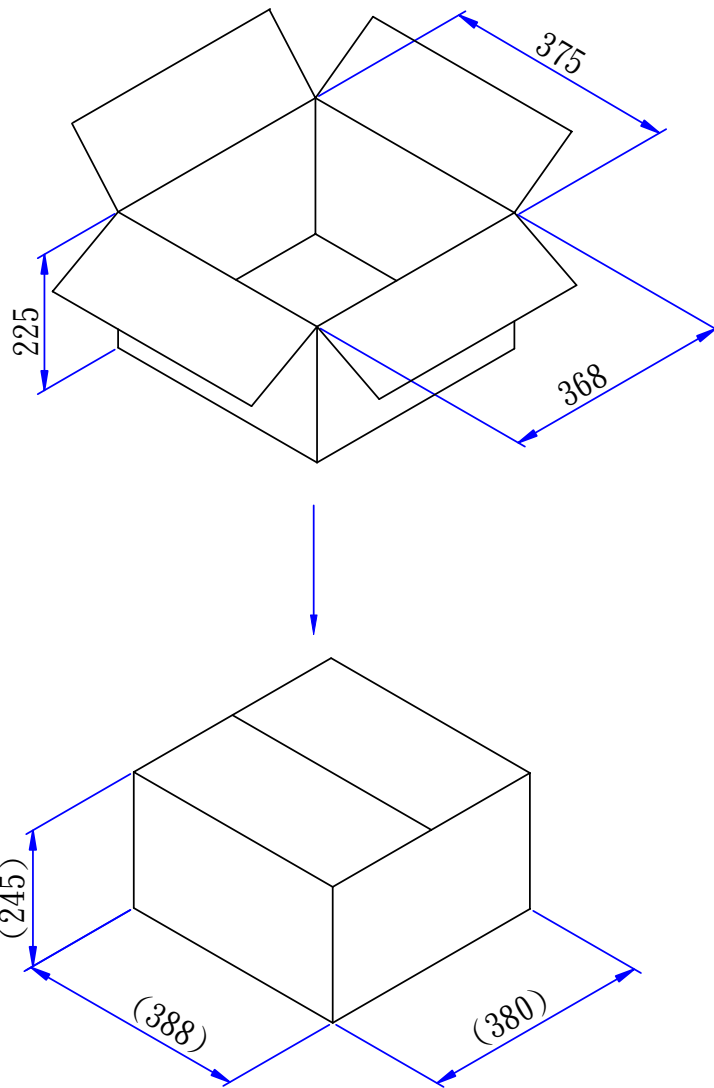


TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	DATE
<i>Hump</i>	<i>zhoujg</i>	<i>zhurg</i>		UNITS	OUTDRAWING
			mm	DRAWING No.	07/10/17
			SCALE	100201-001	
SHENZHEN ENG ELECTRONICS CO., LTD.				DRAWING NAME	REVISION
				100201	01

Att.3

CARTON MATERIAL:A=B(6mm)
 CARTON SIZE:388X380X245mm
 外箱尺寸 388X380X245mm
 Q'TY: 80PCS(20*4)
 數量 80PCS(20*4)

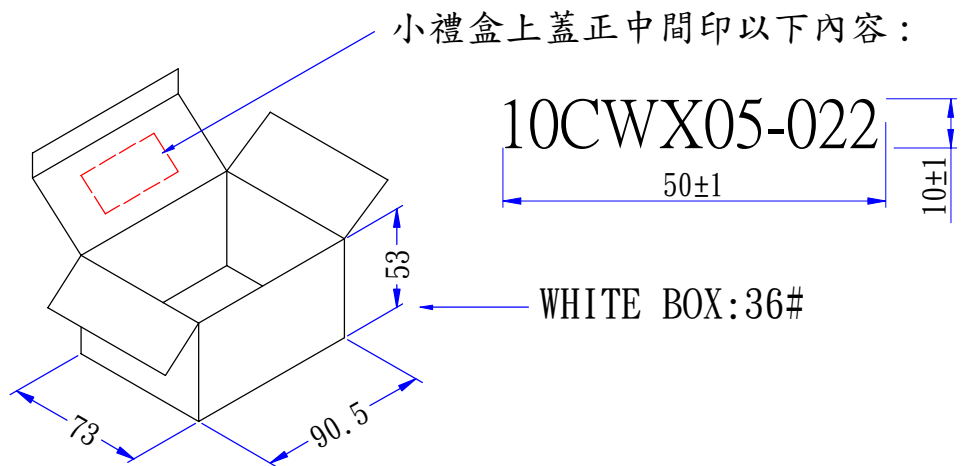
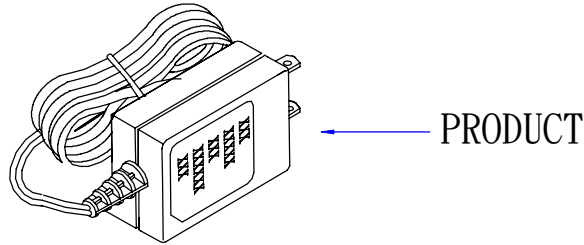


The tolerance of the internal dimensions of the carton is +7/-0
 紙箱內度尺寸公差為+7/-0

TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	PACKAGE	DATE
LQiang	Zhoujg	Zhurg		UNITS		DRAWING No.
SHENZHEN ENG ELECTRONICS CO., LTD.			mm	P36-2040-H-50	REVISION	
			SCALE	36-2040-H-50	02	

Att.3.1



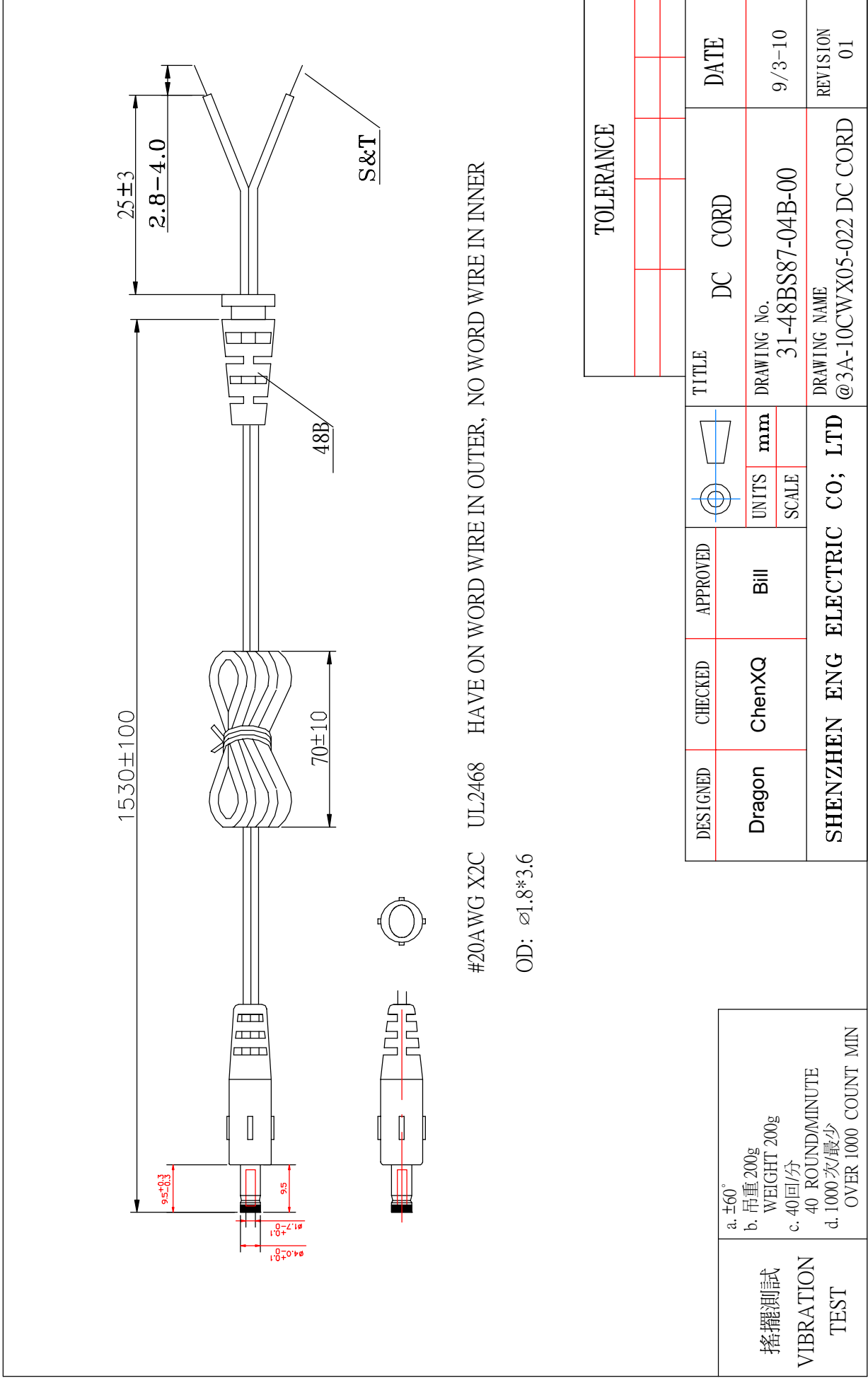
小禮盒印字面朝上裝入紙箱

The tolerance of the external dimensions of the white box is ± 1
 小禮盒外度尺寸公差為 ± 1

TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	DATE
Dragon	ChenXQ	Bill		PACKAGE FLOW CHART	8/3-10
			UNITS	DRAWING No.	
			mm	1002 36# Box	
			SCALE		
SHENZHEN ENG ELECTRONICS CO., LTD.				DRAWING NAME	REVISION
				36# 1002CASE Package	01

Att.4



#20AWG X2C UL2468 HAVE ON WORD WIRE IN OUTER, NO WORD WIRE IN INNER

OD: \varnothing 1.8*3.6

TOLERANCE			

DESIGNED	CHECKED	APPROVED	TITLE	DATE
Dragon	ChenXQ	Bill	DC CORD	9/3-10
			DRAWING No. 31-48BS87-04B-00	REVISION 01
			DRAWING NAME @3A-10CWX05-022 DC CORD	

<p>搖擺測試 VIBRATION TEST</p>	<p>a. $\pm 60^\circ$ 吊重 200g WEIGHT 200g c. 40 回/分 40 ROUND/MINUTE d. 1000 次/最少 OVER 1000 COUNT MIN</p>
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