

CUSTOMER : \_\_\_\_\_

DATE: 2010-10-10

## SPECIFICATION

PRODUCT: AC/DC ADAPTER  
MODEL NO. QIW-12W-1210A  
SPEC NO. C001-018  
VERSION : A1

RoHS COMPLIANT

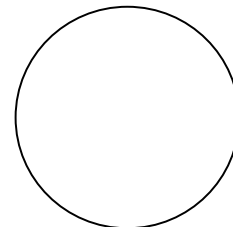


<b>Receiver's stamp or signature</b>

**PLEASE APPROVE & RETURN BEFORE 2010-10-25  
OR WE WOULD REGARD IT BEEN CONFIRMED.**

RESPONSIBLE	APPROVED	ISSUED
Thomson	Aiwei	Anni

ISSUES STAMP



**Revised History**

NO.	Revised Date	Description	Approved	Issued


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	DESCRIPTION	AC/DC ADAPTER	SHEET	1 OF 4
	MODEL NO.	QIW-12W-1210A	VERSION:	A1
			SPEC NO.	C001-018

1.INPUT REQUIREMENT

2.OUTPUT SPECIFICATION

3.MECHANICAL

4.RELIABILITY

5.ENVIRONMENT

6.OUTLOOKING


7.SAFETY

8.QC CHECK

9.DIMENSION

10.LABEL

11.PACKING

	DESCRIPTION	AC/DC ADAPTER	SHEET NO.	2 OF 4
	MODEL NO.	QIW-12W-1210A	VERSION:	A1
			SPEC NO.	C001-018

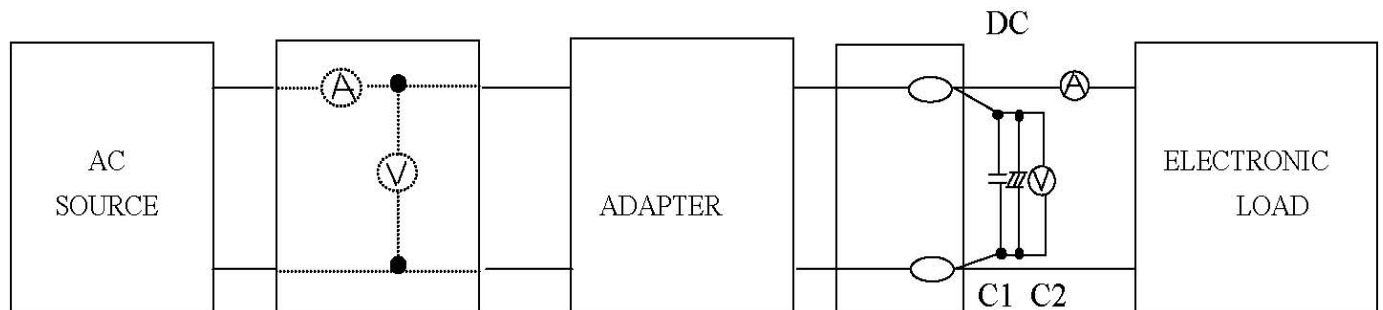
### 1.INPUT REQUIREMENT

ITEM	SPECIFICATION	MIN	TYP.	MAX
NORMAL AC INPUT VOLTAGE	SINGLE PHASE	100Vac	110Vac/220Vac	240Vac
AC INPUT VOLTAGE RANGE	SINGLE PHASE	90Vac	110Vac/220Vac	264Vac
AC INPUT FREQUENCY	SINGLE PHASE	47Hz	50/60Hz	63Hz
AC INPUT CURRENT	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD.			300mA
AC INRUSH CURRENT	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD , 25°C.			30A
EFFICIENCY	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD	70%		

### 2.OUTPUT SPECIFICATION


ITEM	SPECIFICATION	MIN	TYP.	MAX
NORMAL DC OUTPUT VOLTAGE			12.0Vdc	
DC OUTPUT VOLTAGE RANGE	TYPICAL OUTPUT VOLTAGE $\pm 5\%$	11.40V		12.60V
LOAD CURRENT RANGE		0.1A		1.0A
PEAK LOAD CURRENT	TIME<60S			1.1A
RIPPLE	TYPICAL INPUT VOLTAGE , TYPICAL LOAD CURRENT , 25°C			120mV
HOLD-UP TIME	AT TYPICAL INPUT VOLTAGE AND FULL LOAD	10mS		
TURN-ON DELAY	TYPICAL INPUT VOLTAGE AND TUP LOAD CURRENT			1S
OVER CURRENT PROTECTION	AUTO RECOVERY			
SHORT CIRCUIT PROTECTRON	THE ADAPTER SHALL NOT DAMAGE BY SHORT THE DC OUTPUT TO GROUND			
NO LOAD POWER DISSIPATION				0.3W
OVER VOLTAGE PROTECTION			14V	18.0V

### \*TEST MEASURES



C1: 0.1 $\mu$ F CERAMICS CAPACITOR

C2: 10 $\mu$ F 50V ALUMINUM CAPACITOR

	DESCRIPTION	AC/DC ADAPTER	SHEET NO.	3 OF 4
			VERSION:	A1
	MODEL NO.	QIW-12W-1210A	SPEC NO.	C001-018

### 3.MECHANICAL


ITEM	SPECIFICATION OR TEST CONDITION	ACCEPTANCE CRITERIA
BENDING TEST	NORMAL TEMPERATURE THE CORD SHALL WITHSTAND WEIGHT OF 200g, SWINGING FROM LEFT TO RIGHT AT AN ANGLE OF 60 DEG. 1000CYCLE TIMES MIN. S/R SHALL WITHSTAND WEIGHT OF 1N. SWINGING FROM LEFT TO RIGHT AT AN ANGLE OF 60DEG. 1000CYCLE TIMES MIN. BENDING SPEED 40CYCLE/MINUTE	NO SHORT CIRCUIT NO BREAKAGE OF THE CORD
VIBRATION	FREQUENCY RANGE:10~55Hz AMPLITUDE:1.5mm ACCELERATION: 1G SWEEP 1 MINUTE FOR X,Y,Z,AXIS EACH	THERE SHALL BENO ABNORMALITY ON THE APPEARANCE STRUCTURE AND OPERATING

### 4.RELIABILITY

ITEM	TEST CONDITION	ACCEPTANCE CRITERIA
TEMPERATURE UP WITH TYPICAL LOAD	TEST AT SURFACE OF THE CASE WITH TYPICAL AC INPUT AND TYPICAL LOAD IN OUTPUT 50/60Hz	TEMPERATURE UP UNDER 35 DEGREES
HI-POT TEST	INPUT TO OUTPUT GRADUALLY RAISED FROM 0 TO THE 3000Vac AND HELD AT THAT VALUE FOR 3S,5mA	NO DAMAGE
MTBF	TYPICAL INPUT&FULL LOAD , 25℃	50000 HOURS
LIFE	TYPICAL INPUT&FULL LOAD, 40℃ TYPICAL INPUT&FULL LOAD, 25℃	1YEARS ABOVE 2YEARS ABOVE
BURN-IN	AT 30℃(±10℃),NORMAL INPUT VOLTAGE	2~4 HOURS

### 5.ENVIRONMENT

ITEM	SPECIFICATION OR TEST CONDITION	min.	typ.	max.
OPERATING TEMPERATURE		0℃		40℃
STORAGE TEMPERATURE		-20℃		85℃
OPERATING HUMIDITY	NON-CONDENSING	5%RH		90%RH
STORAGE HUMIDITY	NON-CONDENSING	5%RH		90%RH

	DESCRIPTION	AC/DC ADAPTER	SHEET NO.	4 OF 4
	MODEL NO.	QIW-12W-1210A	VERSION:	A1
			SPEC NO.	C001-018

6.OUTLOOKING

DIMENSION :60.4(L)X44(W)X26.5(H)mm  
 WEIGHT :ABOUT 90g  
 AC INPUT TYPE :WALL MOUNT  
 DC OUTPUT TYPE :5.5x2.1x10mm S TYPE



DC OUTPUT CABLE :2468 22AWG 1800mm  
 INDICATION :LABEL  
 CASE MATERIAL :94V-0 ABS+PC  
 PCB MATERIAL :94V-0

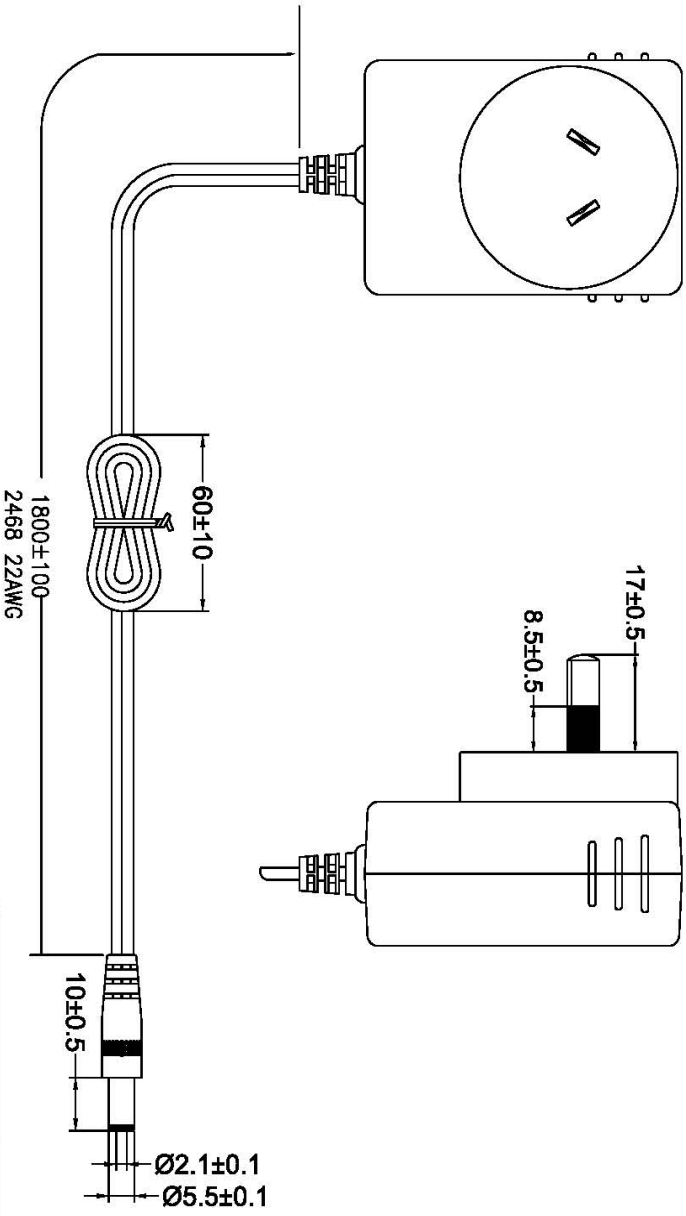
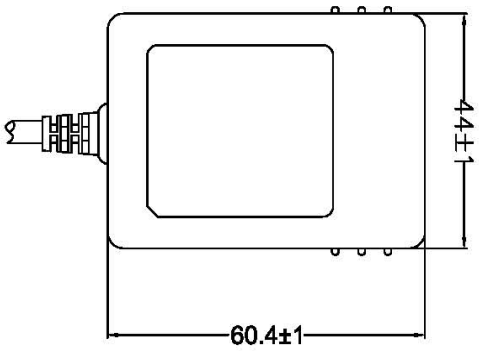
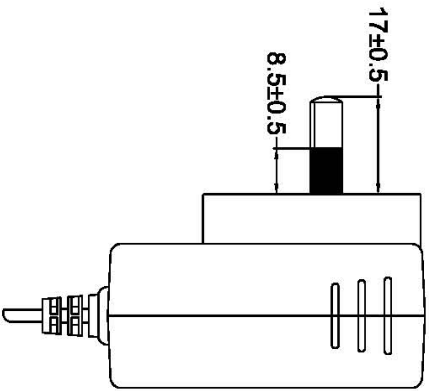
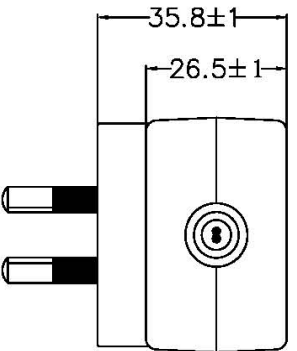
7.SAFETY

COMPLY SAFETY STANDARDS	STANDARD	FILE NO.
SAA		
MEPS		

EMI
C-TICK

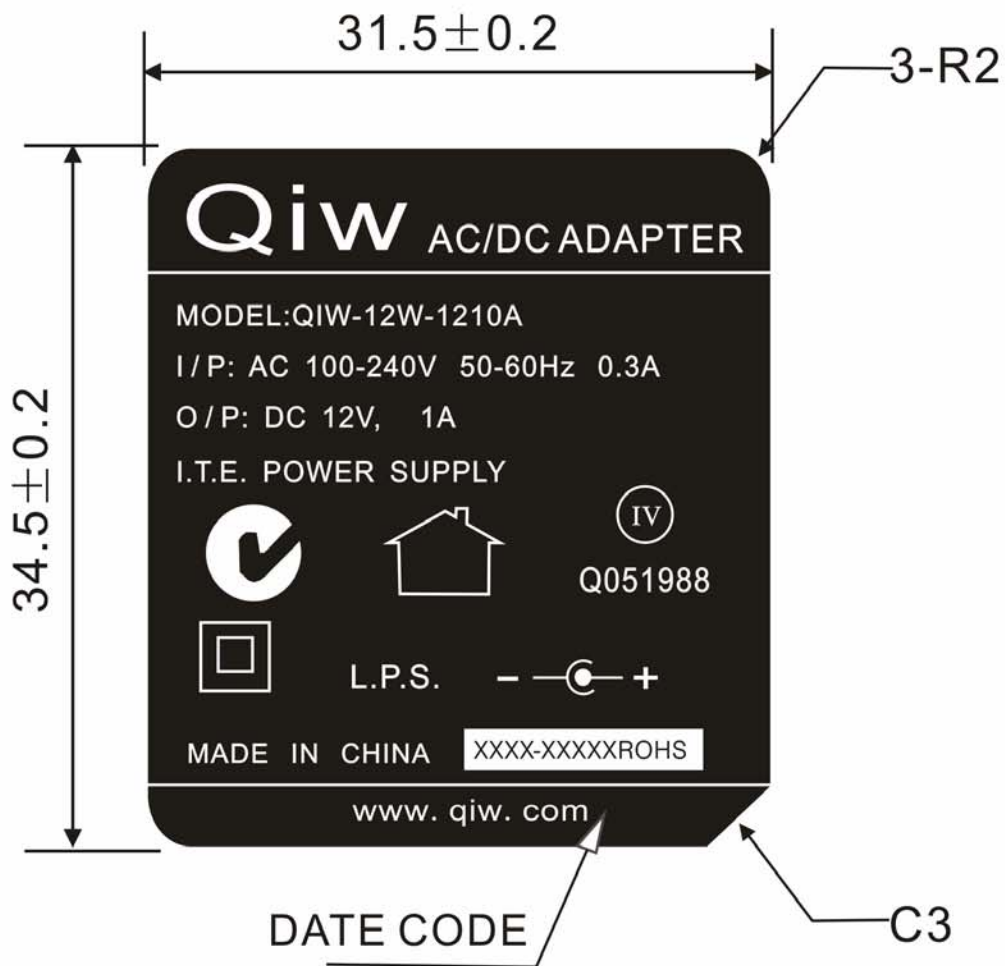
8.QC CHECK

ALL OF THE QUANTITY SHALL BE CHECKED BEFORE SHIPMENT,CHECK ITEM AS BELOW:  
 (1)DC PLUG POLE CHECK  
 (2)OCP FUNCTION CHECK  
 (3)DC OUTPUT VOLTAGE CHECK  
 (4)HIPOT&INSULATION CHECK  
 (5)OUTLOOKING CHECK



ROHS Compliant

L&K		TOLERANCE						FINISH	XXXXXXXX		NAME	
4-4-20	±0.08	±0.08	±0.1	±0.1	±0.2	±0.3		XXX	REV.	A1	PART NO.	
20-4-20	±0.1	±0.1	±0.15	±0.3	±0.4		MATERIAL					
50-4-20	±0.15	±0.25	±0.5	±0.6								
200-4	±0.2	±0.4	±0.5	±0.8								
DRG.	CHD.	APPR.	SCALE		UNIT	REF.	DRG. NO.	XXX	XXX	PART NO.		
			mm				XXX					
jmh											DIMENSION	



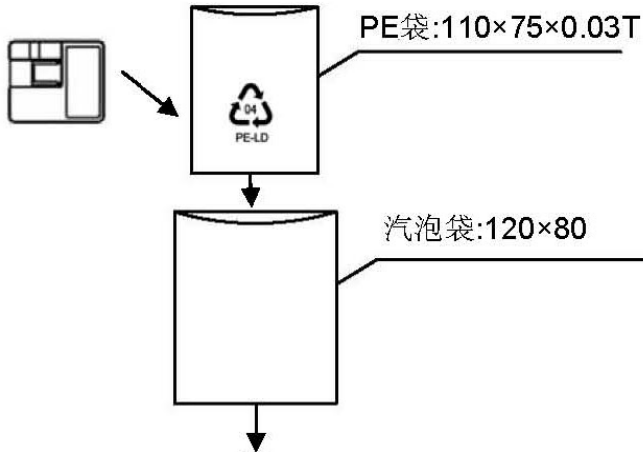
**XXXX-XXXXXXX**



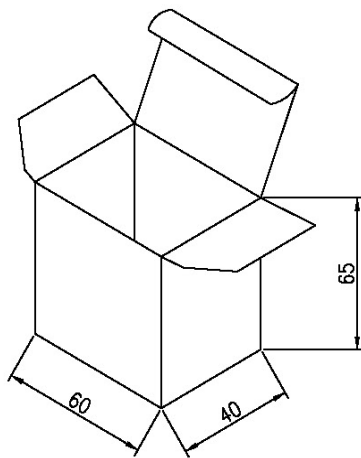
**NOTE:**

- 1.SILVER WORD ON BLACK BASE.
- 2.MATERIAL:PVC + MYLAR FILM.

TOLERANCE					FINISH	NAME: LABEL	
L ≤ 4	0.05	0.08	0.1	0.2		MATERIAL	QTY.
4 < L ≤ 20	0.08	0.1	0.2	0.3	A1		
20 < L ≤ 50	0.1	0.15	0.3	0.4	PART NO.		C001-018
50 < L ≤ 200	0.15	0.25	0.4	0.6			
200 < L	0.2	0.4	0.5	0.8			
DEG.	CHKD.	APPD.		UNIT	mm		
Anni	Aiwei	Thomson	SCALE	REF.			
				REM.			



注:PE袋和汽泡袋不要用胶纸固定



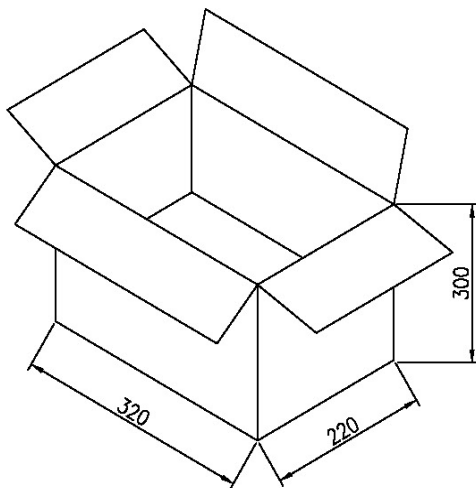
小白盒 500g

外徑寸法 長X寬X高

60x40x65

TOLERANCE:±1

一个小白盒内放一个产品



外箱:(K=K)

成品100PCS 放入

外徑寸法 長X寬X高

320X220X300

TOLERANCE:±3

TOLERANCE					FINISH				NAME	PACKING
L≤4	4<L≤20	20<L≤50	50<L≤200	200<L		MATERIAL	REV.	A1		
±0.05	±0.08	±0.1	±0.2	±0.3						
±0.08	±0.1	±0.2	±0.3	±0.4						
±0.1	±0.15	±0.3	±0.4	±0.6						
±0.15	±0.25	±0.4	±0.6	±0.8						
±0.2	±0.4	±0.5	±0.8							
DEG.	CHKD.	APPD.	UNIT		mm			PART NO.	C001-018	
			SCALE	REF.						
Anni				DWG NO.						