

CUSTOMER : _____

DATE: 2025/5/5

SPECIFICATION

Model: QIW-45K2

Color: White ☒ Black ☐

Product: FAST CHARGER

Spec No: K5-006

Version: A1

Type: Wall Mount (UK)

AC Plug: Fixed Plug

Input: 100-240V~50/60Hz 1.5A Max

Output: PD+PPS (45W Max)

USB Ports: USB-C1+USB-C2

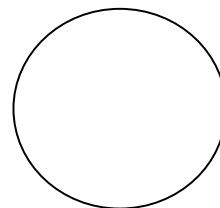
Receiver's stamp or signature

PLEASE APPROVE & RETURN BEFORE: 2025/5/20

OR WE WOULD REGARD IT BEEN CONFIRMED.

RESPONSIBLE	APPROVED	ISSUED
Thomas	Aiwei	Anni

ISSUES STAMP



Revised History

No.	Revised Date	Description	Approved	Issued

QIW Industrial Co.,Ltd.

CHINA:

Http://www.qiw.com

E-Mail: qiw@qiw.com

TEL : +86-755-8980 9888

FAX : +86-755-8983 7166

HONG KONG:

Http://www.qiw.com.cn

E-Mail: qiw@qiw.com.cn

TEL : +852-6952 9522

FAX : +852-3171 2350



PRODUCT	FAST CHARGER	SHEET NO.	1 OF 4
		VERSION:	A1
MODEL NO.	QIW-45K2	SPEC NO.	K5-006

- 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

	PRODUCT	FAST CHARGER	SHEET NO.	2 OF 4
	MODEL NO.	QIW-45K2	VERSION:	A1
			SPEC NO.	K5-006

1.INPUT REQUIREMENT

ITEM	SPECIFCATION	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.			1.5A
NO LOAD POWER	AT 115VAC/230VAC			0.21W
EFFICIENCY	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD	86%		

2.OUTPUT SPECIFICATION
VOLTAGE OUTPUT CHARACTERISTICS OF EACH PORT

USB PORTS	OUTPUT	LOAD CONDITION		Load Regulation	Line Regulation	OCP
		Minimum Load	Nominal Load			
USB-C1	5V	0A	3.0A	±5%	±5%	105%-135%
	9V	0A	3.0A	±5%	±5%	105%-135%
	12V	0A	3.0A	±5%	±5%	105%-135%
	15V	0A	3.0A	±5%	±5%	105%-135%
	20V	0A	2.25A	±5%	±5%	105%-135%
USB-C2	5V	0A	3.0A	±5%	±5%	105%-135%
	9V	0A	3.0A	±5%	±5%	105%-135%
	12V	0A	3.0A	±5%	±5%	105%-135%
	15V	0A	3.0A	±5%	±5%	105%-135%
	20V	0A	2.25A	±5%	±5%	105%-135%

Note: If the output current exceeds 3A, the E-MARK chip needs to be included in the output Type-C line, otherwise only 3A can be output

COMBINED OUTPUT
USB-C1+USB-C2

USB-C1	USB-C2	TOTAL (Max)
45W	--	45W
--	45W	45W
25W	20W	45W
PPS: 5.0-11.0V==4.05A or 5.0-21.0V==2.25A(47.25W Max)		

QIW®奇旺	PRODUCT	FAST CHARGER	SHEET NO.	3 OF 4	
			VERSION:	A1	
	MODEL NO.	QIW-45K2	SPEC NO.	K5-006	
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 APPEARNCE STRUCTURE AND OPERATING		
4.RELIABILITY					
ITEM	TEST CONDITION		ACCEPTANCE CRITERIA		
TEMPERATURE UP WITH	TEST AT SURFACE OF THE CASE WITH TYPICAL		TEMPERATURE UP UNDER		
TYPICAL LOAD	AC INPUT AND TYPICAL LOAD IN OUTPUT		35 DEGREES		
	50/60Hz				
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℃		30000 HOURS		
LIFE	TYPICAL INPUT&FULL LOAD, 25℃		1YEARS ABOVE		
BURN-IN	AT 25℃(±10℃),NORMAL INPUT VOLTAGE		2 HOURS		
5.ENVIRONMENT					
ITEM	SPECIFICATION OR TEST CONDITION		min.	typ.	max.
OPERATING TEMPERATURE			0℃		25℃
STORAGE TEMPERATURE			-20℃		70℃
OPERATING HUMIDITY	NON-CONDENSING		5%RH		90%RH
STORAGE HUMIDITY	NON-CONDENSING		5%RH		90%RH

	PRODUCT	FAST CHARGER	SHEET NO.	4 OF 4
			VERSION:	A1
	MODEL NO.	QIW-45K2	SPEC NO.	K5-006

6.OUTLOOKING

DIMENSION

:55(L)X59.7(W)X29.2(H)mm

WEIGHT

:ABOUT 130g

AC INPUT TYPE

:UK Fixed Plug

DC OUTPUT TYPE

:USB-C1+USB-C2

DC OUTPUT CABLE

:N/A

INDICATION

:LABEL

CASE MATERIAL

:94V-0 ABS+PC

PCB MATERIAL

:94V-0

7.SAFETY

COMPLY SAFETY STANDARDS	STANDARD	FILE NO.
UKCA	BS EN IEC62368-1:2020+A11:2020	LP24060229C01-17

EMI
CE FCC

8.QC CHECK

ALL OF THE QUANTITY SHALL BE CHECKED BEFORE SHIPMENT,CHECK ITEM AS BELOW:

(1)USB PORT CHECK

(2)OCP FUNCTION CHECK

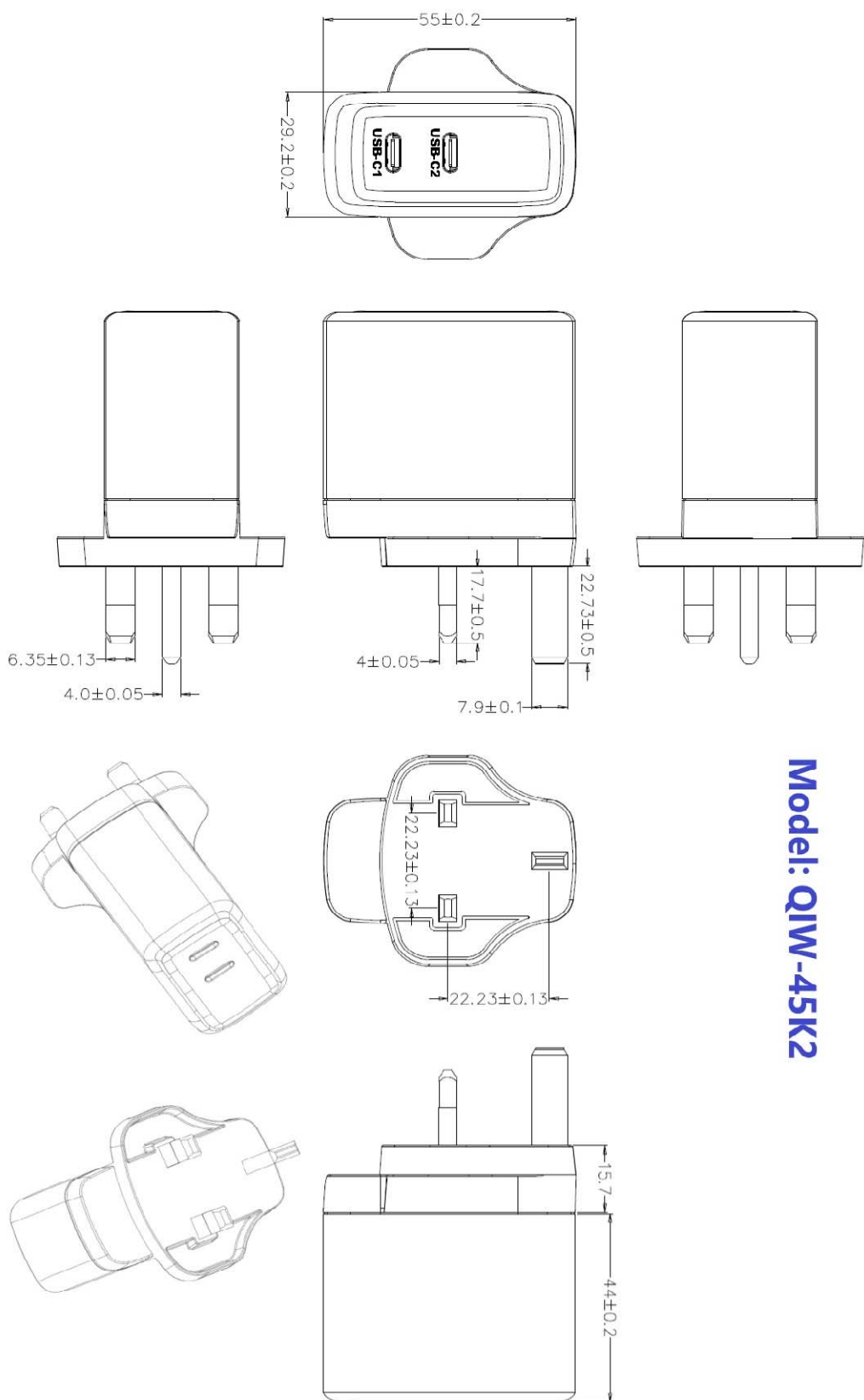
(3)DC OUTPUT VOLTAGE CHECK

(4)HI-POT&INSULATION CHECK

(5)OUTLOOKING CHECK

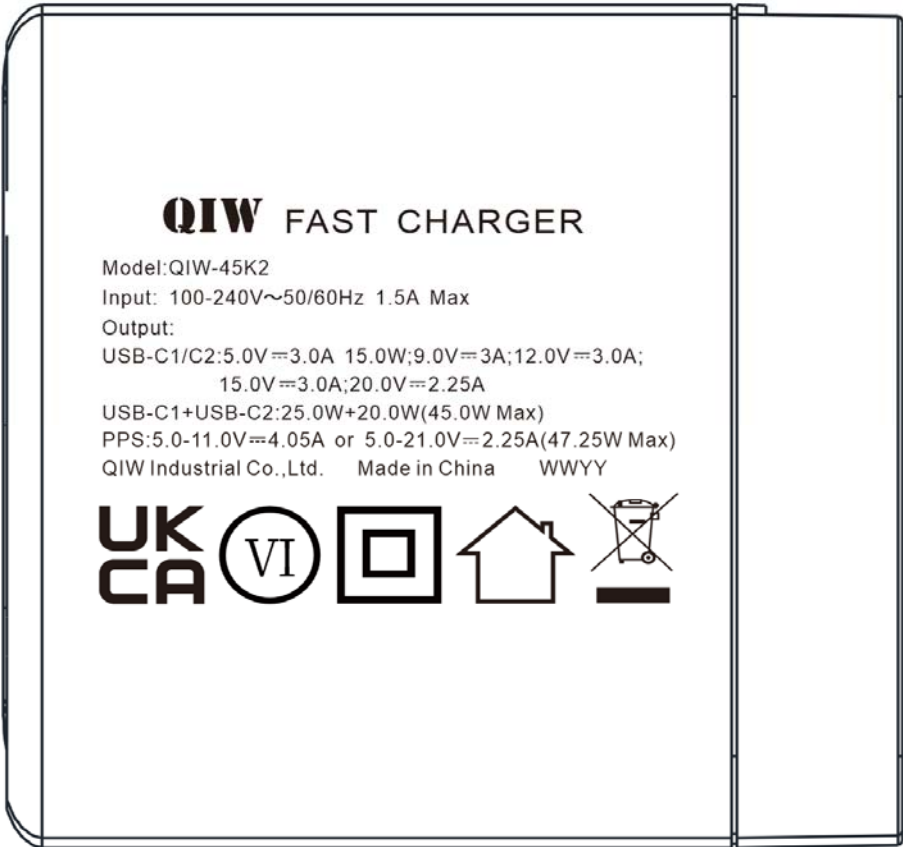
9.DIMENSION

Model: Q1W-45K2



QIW® 奇旺 www.qiw.com									
TOL. FRANCE		L44 #0.25 #0.08 #0.1 #0.2		FINISH XXXXXX		UNIT mm NAME DIMENSION			
44x50 #0.08 #0.1 #0.2 #0.5		MATERIAL XXX		REV. A1					
20x45x30 #0.1 #0.15 #0.3 #0.4		XXX REV.		A1					
50x5x200 #0.15 #0.25 #0.5 #0.6		UNIT mm		NAME DIMENSION					
200x1 #0.2 #0.4 #0.5 #0.6		UNIT mm		NAME DIMENSION					
DEB. CHKL. APPR.		UNIT mm		NAME DIMENSION		QIW Industrial Co., Ltd. 深圳市奇旺实业有限公司			
SCALE REF.		XXXX XXXX		UNIT mm					
UNIT mm		NAME DIMENSION		UNIT mm					
QIW Industrial Co., Ltd. 深圳市奇旺实业有限公司									

10.LABEL (LASER)



QIW®奇旺

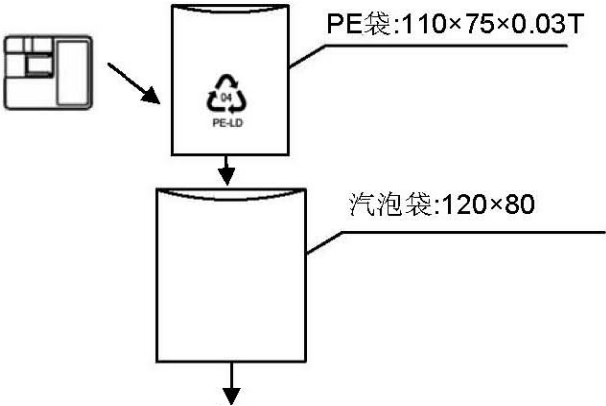
USB-C2

USB-C1

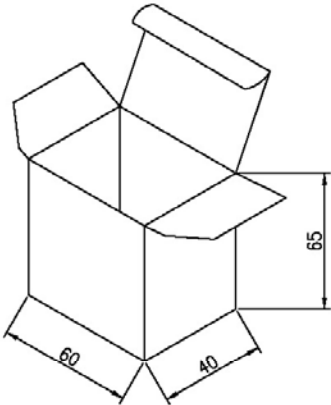
DATE CODE: (WWYY WW=WEEK,YY=YEAR)

TOLERANCE					FINISH				NAME:	LABEL		
L≤4	0.05	0.08	0.1	0.2								
4<L≤20	0.08	0.1	0.2	0.3	MATERIAL			QTY.		REV	A1	
20<L≤50	0.1	0.15	0.3	0.4								
50<L≤200	0.15	0.25	0.4	0.6								
200<L	0.2	0.4	0.5	0.8								
DEG.	CHKD.	APPD.	SCALE 		UNIT	mm			RART NO	K5-006		
Anni	Aiwei	Thomas			REF.							
					REM.							

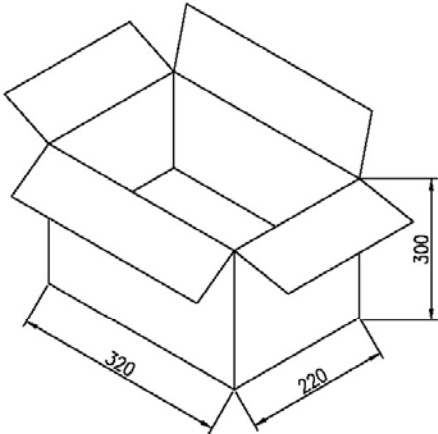
11.PACKING



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
60×40×65
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	±0.05	±0.08	±0.1	±0.2						
4 < L ≤ 20	±0.08	±0.1	±0.2	±0.3	MATERIAL	REV. A1				
20 < L ≤ 50	±0.1	±0.15	±0.3	±0.4						
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			PART NO.		
Anni			SCALE	REF.						
				DWG NO.						

Certificate of Conformity

No.: LP24060229C01-17

The following products have been tested by us with the listed standards and found in compliance with the Electrical Equipment (Safety) Regulations 2016 (UK SI 2016 No. 1101). It is possible to use UKCA marking to demonstrative for the compliance with this regulation.

Applicant : QIW Industrial Co.,Ltd.
Address : B1001, No.15-3, Tantou 1st Village, Songgang Town, Baoan District, Shenzhen, 518105 Guangdong, P.R. China
Product : FAST CHARGER
Trade Mark : **QIW**
Model No. : QIW-65yz, QIW-45yz (y=D, K; z=1, 2, 3, 4)
Rated Input : 100-240V~, 50/60Hz, 1.5A Max.
Rated Output : See model list on test report.
Test Standards : BS EN IEC 62368-1:2020+A11:2020
Audio/video, information and communication technology equipment
Part 1: Safety requirements

**UK
CA**



Manager: Haylen Li
Date: 2025-03-13

Dongguan Lepont Testing Service Co., Ltd.

Tel.: 86-769-8308 6888 Fax.: 86-769-8309 6886
Room 102, Building 11, No. 7, Houjie Science And Technology
Avenue, Houjie, Dongguan, Guangdong, China

The statement is based on a single evaluation of one sample of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab's logo.

Certificate of Conformity

No.: LP24060229C01-03

The following products have been tested by us with the listed standards and found in compliance with the council UK EMC Regulations (SI 2016/1091).
It is demonstrative for the compliance with this EMC Directive.

Applicant : QIW Industrial Co.,Ltd.
Address : B1001, No.15-3, Tantou 1st Village, Songgang Town, Baoan District, Shenzhen City, P.R.China
Product : FAST CHARGER
Model No. : QIW-45yz, QIW-65yz
("y", "z" are variables, see page 4 of the test report for details.)
Trade Mark : QIW
Test Standards : BS EN 55032: 2015+A11:2020+A1:2020
BS EN IEC 61000-3-2:2019+A1:2021+A2:2024
BS EN 61000-3-3:2013+A1:2019+A2:2021
BS EN 55035:2017+A11:2020



The UKCA mark may be used, if all relevant UK Legislations and the UK Declaration of Conformity has been completed.

Manager: Frank Shen
Date: 2025-2-24

Dongguan Lepont Testing Service Co., Ltd.

Tel.: 86-769-83086888 Fax.: 86-769-83096886

Room 102, Building 11, No.7, Houjie Science And Technology Avenue, Houjie, Dongguan, Guangdong, China

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