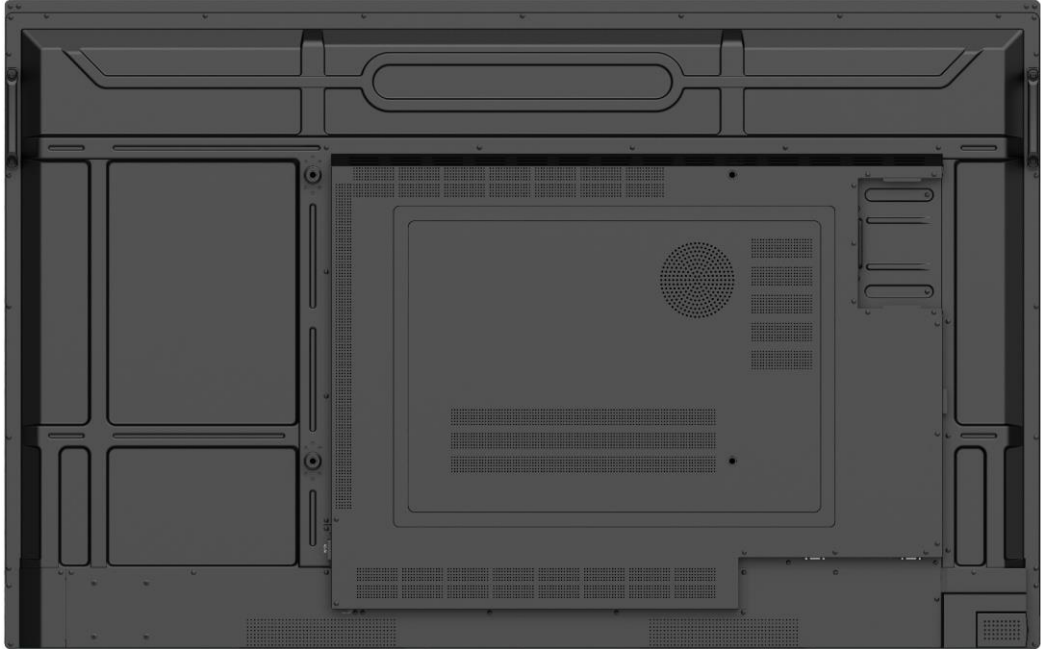


# Disassembly Assessment Report

Product Type: D-LED

Model Number: RE6504

Performance Date: 2024.4.7



# Contents

- 1.Product General Description
- 2.Product Assembly
- 3.Disassembly Tools
- 4.Disassembly Process
- 5.Disassembly Time
- 6.Mateial Category
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- 8.Summary

# 1.Product General Description

.Model Number: RE6504

.Spec.:65"

.Resolution: 4K UHD(3840x2160@60HZ)

AC IN&OPS Slot&HDMI IN&USB 2.0 (Type A)&USB 3.0 (Type A)&USB Touch Output &USB Type-C& LAN-IN (RJ45)&LAN-OUT (RJ45)&RS232&DP IN&HDMI Output&VGA IN&PC- Audio IN & Mic IN&SPDIF (optical)&Earphone&Micro SD Card IN  
HDMI 2 (HDMI 2.0 Type A HDCP2.2 CEC ARC)  
HDMI Front (HDMI 2.0 Type A HDCP2.2)

Panel Type: IPS

.Responce Time:8ms

.Luminance:400

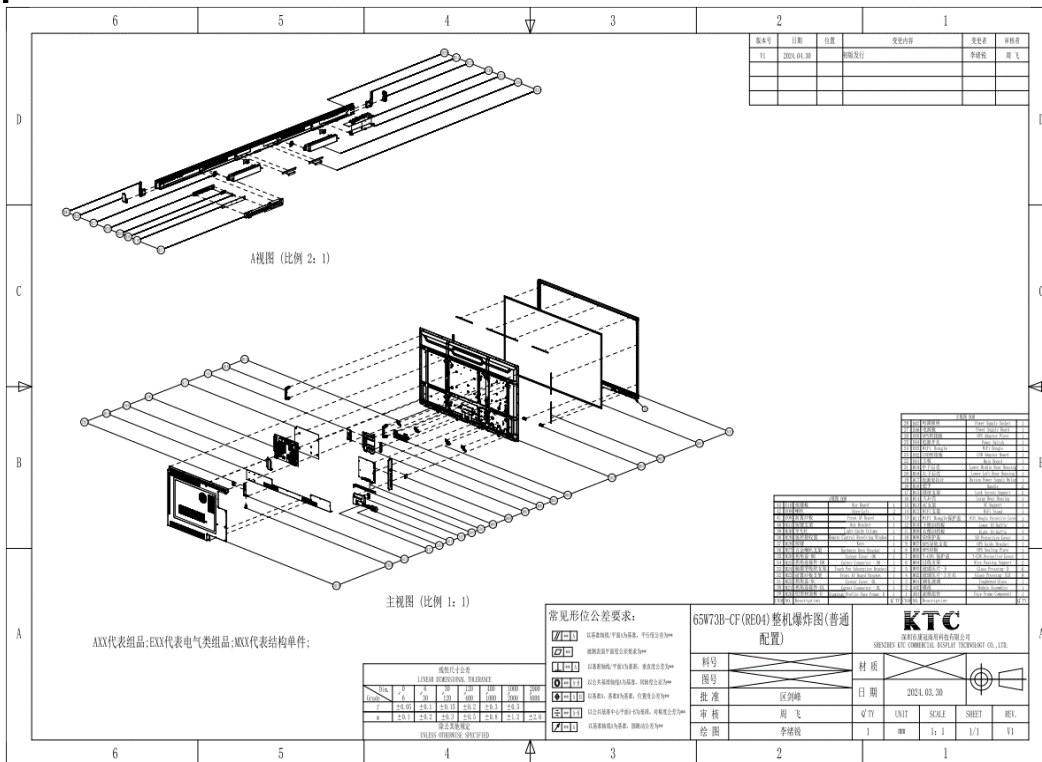
.Contrast Ration:1200:1(typ)

.View Angle:178°(H) / 178°(V)

.Compliance of environment standard:

ROHS

WEEE



## 2.Product Assembly

Table 1 Disassembly Part Lists

Item	component	Description	Qty
1	6140-032045-04RZ2001	320mm 4pin 3-terminal wire	1
2	6140-033058-05MW1001	330mm TWO-terminal wire 5pin	1
3	6140-0400E6-20RB2021	400mm 20pin 3-terminal wire	1
4	6140-0400HA-51ZZ1021	400mm 51pin two-terminal wire	1
5	6140-0450E6-14PB1001	450mm 14pin two-terminal wire	1
6	6140-0580F3-10UV1001	580mm 10pin two-terminal wire	1
7	6140-0710HA-51ZZ1011	710mm 51pin two-terminal wire	1
8	6140-0900F3-04SX1011	900mm 4pin two-terminal wire	1
9	6140-140063-16PI2001	1400mm 16pin 3-terminal wire	1
10	6148-010028-00TZ9001	100mm wire	1
11	6149-007058-02WW1201	70mm TWO-terminal wire	1
12	6149-0450HA-51DD1001	450mm TWO-terminal wire 51pin	1
13	614C-0460E6-06ZZ1001	460mm TWO-terminal wire 6pin	1
14	6254-250010-13310001	250V AC power socket	1
15	6264-250008-43220021	RS-2206 AC switch	1
16	7030-75W21K-X00000F4	75W21K Array button	1
17	7033-000W22-40011201	Light pipe	1
18	7034-75W21K-X0000014	75W21K Remote control receiving window	1
19	7096-86W73B-X0000004	86W73B-CF Keypad bracket	1
20	70AA-65W73B-X0000004	65W73B-CF WIFI bracket	1
21	7111-65W71B-X0000001	65W71B IO stop plate-D	1
22	7111-65W71B-X0000011	65W71B IO stop plate-R	1
23	7124-65W72B-X0000002	65W72B AC bracket	1
24	7143-75W61B-X0000052	75W61B Speaker bracket	4
25	7145-86W73B-X0000001	86W73B-CF Front AV plate fixing bracket	1
26	7155-65W21K-X0000022	65W21K OPS guide rail bracket	1
27	7163-86W73B-X0000001	86W73B-CF Touch pen adsorption bracket	2
28	71Y2-65W71B-X0000072	65W71B Metal back cover-LD	1
29	71Y2-65W72B-X0000002	65W72B Metal back cover	1
30	71Y2-65W73B-C0000002	65W73B-CF Metal back cover-MD	1
31	7422-650BEK-315AB304	65" TFT KTC K650WDB2-BQ400A2 Panel	1
32	7711-A4828D-91030001	8 Ω 15W Speaker	2
33	7901-E10R28-01800604	18 6 0.25mm Heat-Shrinkable T bush	1
34	7907-4AIR14-0822R504	82.2 2.5 1.1mm Cable ties	8
35	7912-111015-2R900102	15 2.9 1.0mmT Shock-proof silicone pad	2
36	7912-323450-0040R511	450 4 0.5mmT EVA pad	2.2
37	7912-AA1020-015R0501	20 15 0.05mmT Shading mylar	12

38	7912-AA1360-270R4312	360 270 0.43mmT Fireproof mylar tablet	1
39	7912-F11080-0110R101	80 11 0.1mmT Acetate tape	6/5000
40	7912-G81090-008R1202	90 8 0.12mmT Conductive tape	4.5
41	7B11-0302F0-00102111	M3 ×2.5mm Screw	6
42	7B11-030496-00101111	M3 4mm screw	35
43	7B11-0304K6-03305401	M3 4mm Screw	4
44	7B11-030636-00101402	M3 6mm screw	2
45	7B11-030686-50102111	M3 6mm screw	45
46	7B11-0306K6-03305401	M3 6mm Screw	54
47	7B11-0308A4-00105111	ST3 8mm screw	4
48	7B11-0405D6-40102111	M4 5mm screw	2
49	7B11-040676-00101402	M4 ×6mm Screw	4
50	7B11-0508G3-00105113	M5 ×8mm Screw	4
51	9011-24002D-TU0010DK	A311D2 XF. A311D2.Y OutsourcingMotherboard	1
52	9012-242100-56001014	65~ 560W Power board Two in-one power supply MP461SL-4P34	1
53	9015-112000-02071001	KJ_W61 Remote control receiving board + key board component Red&green	1
54	9032-240000-0000100K	(PHS2.0-4pin) USB Transfer board	1
55	9045-24C000-0000106K	OPS Transfer board	1
56	9068-24C000-000010GK	(2*Follow_USB3.0, 1*TC_USB_B, 1*HDMI, 1*TYPE-C, 1*MIC, 1*line out) Front adapter	1

Table 2 Recycle Characteristics

Recycle Characteristics	Part NO.
Reuse	---
Recycle	1-13、16、19-30、41-50
WEEE AnnexVII	31、51-56
Recovery	32
Disposal	14、15、17、18、33-40

### 3. Disassembly Tools



Philips Screwdriver



Nosed Pliers



Combination Pliers



Screwdriver



Gloves or soft cloth

## 4. Disassembly Process

Preparation before disassemble

1. Clean the room for disassemble

2. Identify the area for monitor

3. Check the position that the monitors be placed and quantity of the monitor; prepare the area for material flow; according to the actual condition plan the disassemble layout

4. Prepare the implement, equipment, and materials as below:

① Working table

② Electric screw-driver





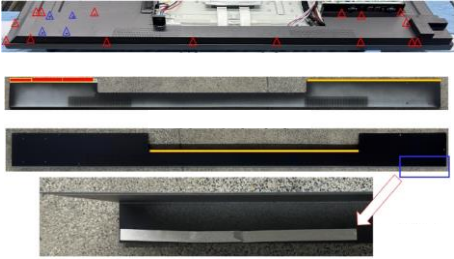

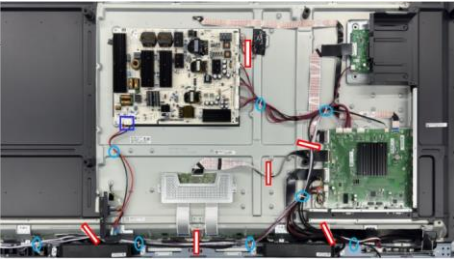

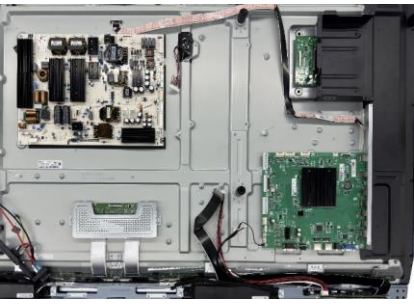
③ Manual screw-driver

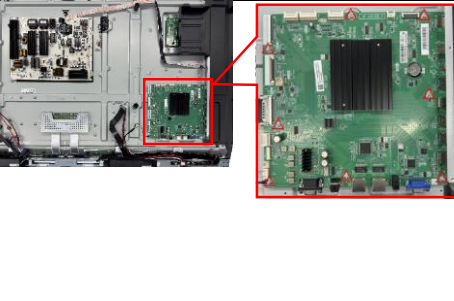

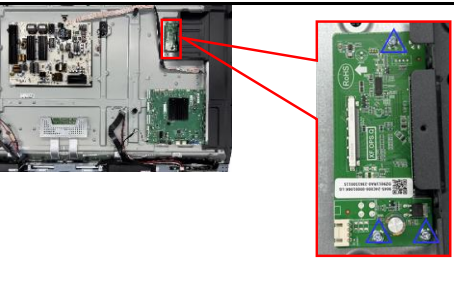

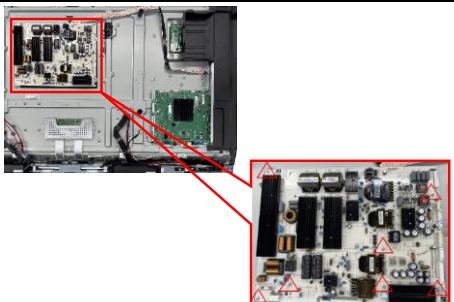

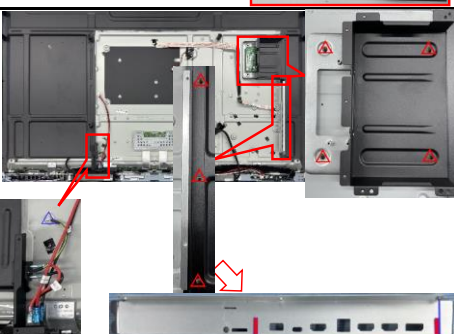




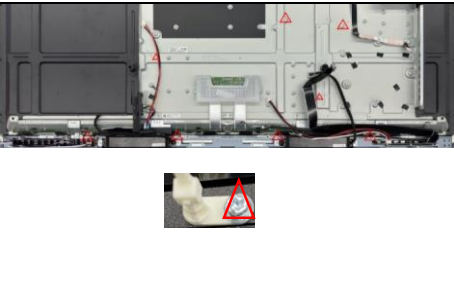

④ The corners of the screw-driver

⑤ Glove

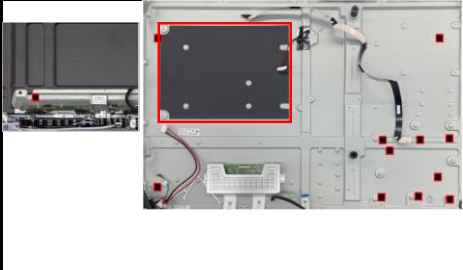
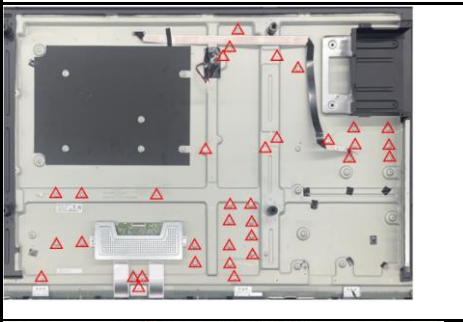



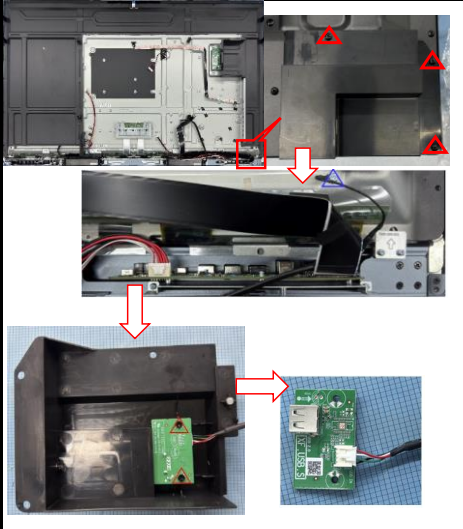

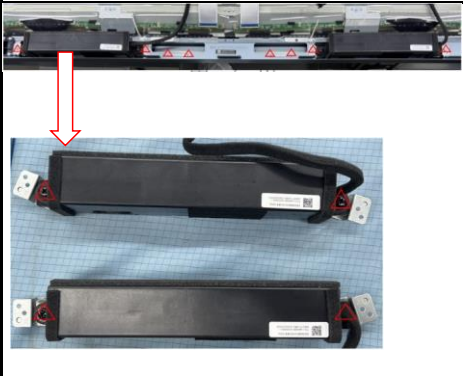

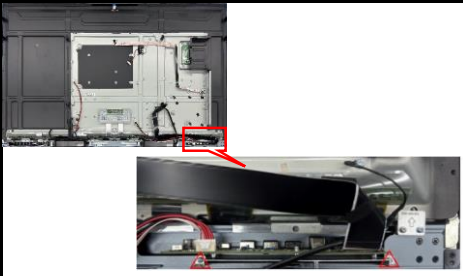

⑥ Cleaning cloth



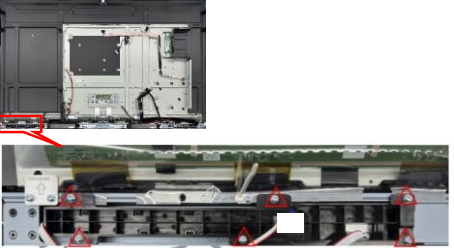

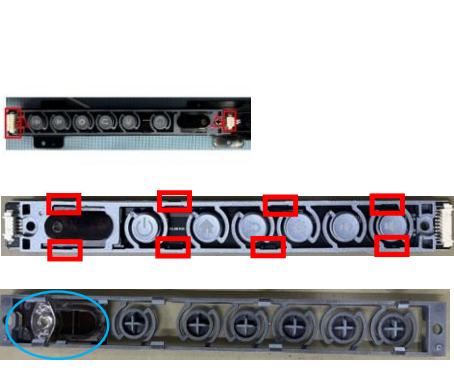

⑦ ESD Protection

No	Picture	Operation	Tool	Notes
1		<ol style="list-style-type: none"> <li>1. Remove 29 pcs of M3 x6mm screws on the back cover.</li> <li>2. Remove the back cover.</li> </ol>	 Screwdriver	
2		<ol style="list-style-type: none"> <li>1. Remove 3 pcs of M3 x6mm screws on the AC bracket.</li> </ol>	 Screwdriver	
3		<ol style="list-style-type: none"> <li>1. Remove 16 pcs of M3 x6mm screws and 4 pcs of M4 x6mm screws on the Metal back cover-MD, Metal back cover-LD and the IO stop plate-D.</li> <li>2. Remove the Metal back cover-MD, Metal back cover-LD and the IO stop plate-D.</li> <li>3. Tear off the EVA pad and the Conductive tape on the Metal back cover-MD</li> </ol>	 Screwdriver	
4		<ol style="list-style-type: none"> <li>1. Clean up 1 pcs white glue .</li> <li>2. Tear off 6 pcs of the white tape.</li> <li>3. Clip 8 pcs of the wire girdle with the Combination Pliers .</li> </ol>	 Combination Pliers	
5		Unplug all wires .	/	

6	 <p>The image shows two views of the mainboard removal. On the left, a photograph of the device's interior with a red box highlighting the mainboard area. On the right, a close-up photograph of the mainboard with red lines pointing to the 8 screws that need to be removed.</p>	<p>1.Remove 8 pcs of M3x6mm screws on the mainboard. 2.Remove the mainboard.</p>	 Screwdriver	
7	 <p>The image shows two views of the OPS adapter PCBA removal. On the left, a photograph of the device's interior with a red box highlighting the OPS adapter. On the right, a close-up photograph of the OPS adapter PCBA with red lines pointing to the 3 screws that need to be removed.</p>	<p>1.Remove 3 pcs of M3x6mm screws on the the OPS adapter PCBA. 2.Remove the OPS adapter PCBA</p>	 Screwdriver	
8	 <p>The image shows two views of the power board removal. On the left, a photograph of the device's interior with a red box highlighting the power board. On the right, a close-up photograph of the power board with red lines pointing to the 7 screws that need to be removed.</p>	<p>1.Remove 7 pcs of M3x6mm screws on the Power board. 2.Remove the Power board .</p>	 Screwdriver	
9	 <p>The image shows two views of the AC bracket removal. On the left, a photograph of the device's interior with red boxes highlighting the OPS guide rail bracket, IO stop plate-R, and AC bracket. On the right, a close-up photograph of the AC bracket with red lines pointing to the 4 screws on the OPS guide rail bracket, 3 screws on the IO stop plate-R, 1 screw on the AC bracket, and the silicone pad.</p>	<p>1.Remove 4 pcs of M3x4mm screws on the OPS guide rail bracket. 2.Remove the OPS guide rail bracket . 3.Remove 3 pcs of M3x6mm screws on the IO stop plate-R. 4.Remove the IO stop plate-R. 5.Tear off the silicone pad from the plate-R. 6.Remove 1 pcs of M4x5mm screws 7.Remove the AC bracket</p>	 Screwdriver	
10	 <p>The image shows a photograph of the power socket and power switch sub from the AC bracket. Red triangles point to the 2 screws that need to be removed.</p>	<p>1.Unplug the wires . 2.Remove 2 pcs of M3 x 6mm screws on the power socket . 3.Separate the power socket and power switch sub from the AC bracket.</p>	 Combination Pliers  Screwdriver	
11	 <p>The image shows two views of the wire girdles removal. On the left, a photograph of the device's interior with red boxes highlighting the wire girdles. On the right, a close-up photograph of a wire girdle with a red triangle pointing to the 8 screws that need to be removed.</p>	<p>1.Remove 8 pcs of M3 x 6mm screws on the wire girdles. 2.Remove the wire girdles.</p>	 Screwdriver	



12		<p>1.Tear off 1 pcs of black Fireproof Mylar and 12 pcs of black tapes .</p>	/	
13		<p>1.Remove 35 pcs of M3 x4mm screws .</p>	 Screwdriver	
14		<p>1.Remove 6 pcs of M3 x2.5mm hexagon stud.</p>	 Screwdriver	
15		<p>1.Remove 3 pcs of M3 x6mm screws on the WIFI bracket. 2.Remove 1 pcs of M4 x5mm screw. 3.Remove the WIFI bracket. 4.Remove 2 pcs of M3 x8mm screws on the USB Transfer board. 5.Remove the USB Transfer board. 6.Unplug the wire.</p>	 Screwdriver	
16		<p>1.Remove 4 pcs of M3x6mm screws on the Touch pen adsorption bracket. 2.Remove 2 pcs of Touch pen adsorption brackets 3.Remove 4 pcs of M3x6mm screws to separate the two speaker assy. 4.Remove 4 pcs M5x8mm on the assy to separate the speakers.</p>	 Screwdriver	
17		<p>1.Remove 2 pcs of M3 x6mm screws . 2.Remove the AV board assy.</p>	 Screwdriver	

18		<p>1.Remove 3 pcs of M3 x6mm screws to separate the AV metal bracket.</p>	 Screwdriver	
19		<p>1.Remove 6 pcs of M3 x6mm screws. 2.Remove the Keypad bracket</p>	 Screwdriver	
20		<p>1.Unplug the wire. 2.Remove 2 pcs of M3 x8mm screws to separate the key board component. 3.Separate the plastic keypad bracket from the keypad PCBA. 4.Remove Tawny plastic reception window and Colorless transparent light guide column from the keypad bracket.</p>	 Screwdriver	

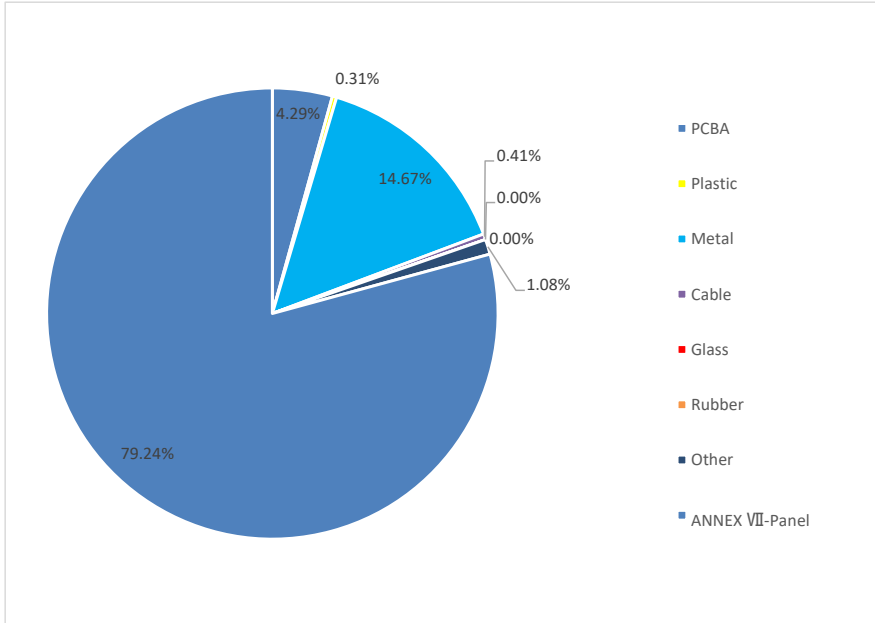
## 5.Disassembly Time

Total time:Two people around 25 minutes

## 6. Mateial Category

Table 3 Material Classification

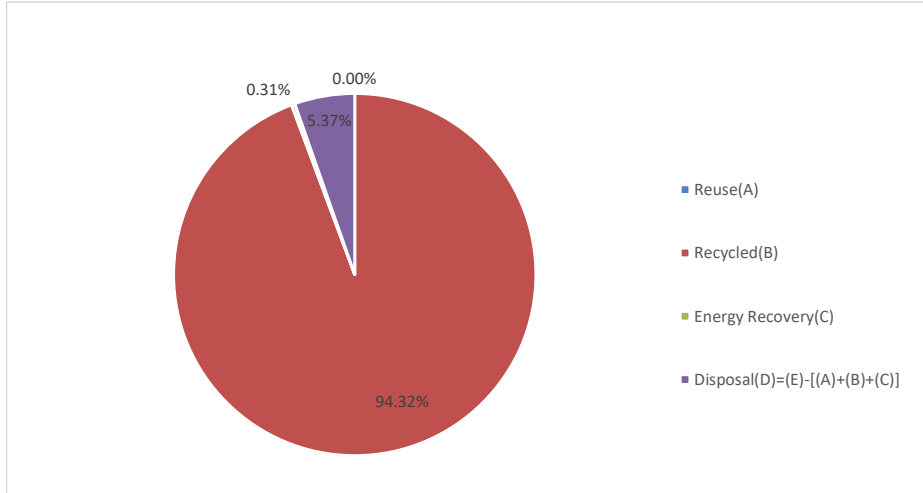
Category	Weight(g)	Percentage(%)
PCBA	1565.6	4.29%
Plastic	112.2	0.31%
Metal	5349.2	14.67%
Cable	150.3	0.41%
Glass	0	0.00%
Rubber	0	0.00%
Other	392.7	1.08%
ANNEX VII -Panel	28900	79.24%



## 7. Assessment Table

Table 4 Recycled Characteristic

Charateristics of Product Recycling	Result (g)
Reuse(A)	0.00
Recycled(B)	34399.50
Energy Recovery(C)	112.20
Product Weight(E)	36470.00
Disposal(D)=(E)-[(A)+(B)+(C)]	1958.30
R1:Reuse&Recycled Rate=[(A)+(B)]/(E)	94.32%
R2:Recovery Rate=[(A)+(B)+(C)]/(E)	94.63%



## 8. Summary

Table5 Summary of the Assessment

Assessment specification	WEEE Directive 2018/19/EU		
WEEE Directive Product Category	Consumer equipment and photoltaic panels		
	WEEE Requirement	Disassembly Result	Judgment (Pass/Fail)
Reuse+Recycled Rate(%)	70	94.32	Pass
Recovery Rate(%)	80	94.63	Pass