TEST REPORT

Report No	:	WTH24H07176985X1C
Applicant	:	EcoFlow Inc.
Address	:	RM 401, Plant #1, Runheng Industrial Zone, Fuyuanyi Road, Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, P.R.China
Sample Name	:	Portable Power Station
Sample Model	:	EF-DL-H10-4/EF-DL-H10-3
Product Weight (excluding package)	:	12762.71g.
Category under the WEEE Directive	:	5th category：Small equipment (no external dimension more than 50 cm)
Test Requested	:	Based on Directive 2012/19/EU (WEEE) Article 11 & Article 15(2), to assess the Reuse/Recycling/Recovery of sample and the mark of EEE.
Test Conclusion	:	PASS
Date of Receipt sample	:	2024-07-29
Testing period	:	2024-07-29 ~ 2024-08-08
Date of Issue	:	2024-08-21
Test Result	:	Refer to next page (s)

Prepared By:

Shenzhen Hongcai Testing Technology Co., Ltd.

Address: Building B,Tianji Industrial Park,Floor 1&2&3 No.30-9 Laiyin Road, Xinsheng Community, Longgang Street, Longgang District,Shenzhen,Guangdong,China
Tel:+86-755-84616666/400-0066-989 E-mail:service@hct-test.com

Signed for and on behalf of
Shenzhen Hongcai Testing Technology Co., Ltd.

Michael Huang
Shenzhen Hongcai Testing Technology Co., Ltd.

Assessment Result(s)：

1. The mark of EEE of Article 15(2) of Directive 2012/19/EU (WEEE)

Clause	Description	Result
4	Marking	
4.1	Requirements of marking	PASS
4.2	Design of the marking	PASS
4.3	Adaptation of the location of the marking	PASS

2. Result of Reuse/Recycling/Recovery Assessment

Reuse/Recycling/Recovery	Reuse/Recycling (%)	Recovery (%)
Result of Assessment	88.76	93.56
Reuse/Recycling/Recovery Targets under WEEE Directive	55	75
WEEE requirement	PASS	PASS

3. Appearance of the product

WTH24H07176974C~6990C.1

WTH24H07176974C~6990C.1

 WTH24H07176974C~6990C.1	/

4. Disassembly Procedure

4.1 Flow for Disassembly Procedure

The disassembly procedure taken here is in accordance with the treatment requirements under the Annex II of the WEEE Directive. In addition, to consider economic and efficiency factors, manual operation and disassembly tools have been applied to separate the components and materials from this product in order to simulate the scenario at the treatment facility, and to achieve the objective that the separated components and materials can be reused, recycled and recovered.

4.2 Disassembly tool

Disassembly tool	Pictures	Disassembly tool	Pictures
Nozzle pliers		Scissors	
Screwdriver		Hammer	

4.3 Connection technique

Adhesive

Screw

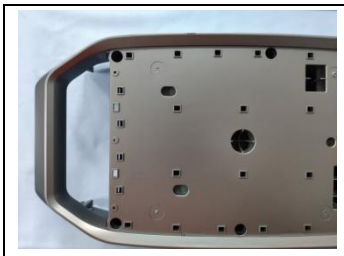
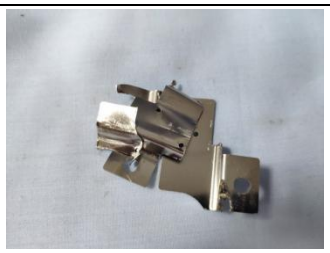
Glue

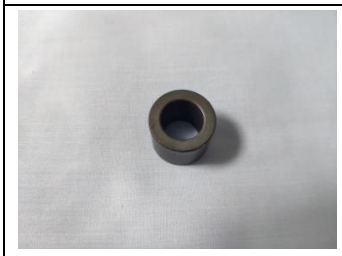
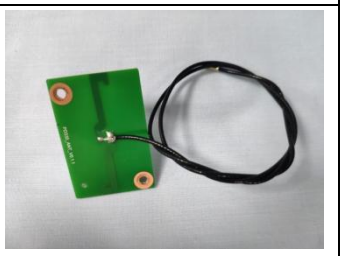
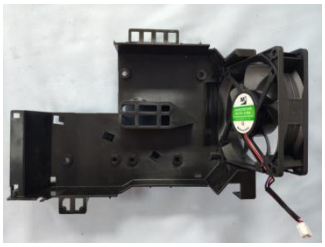
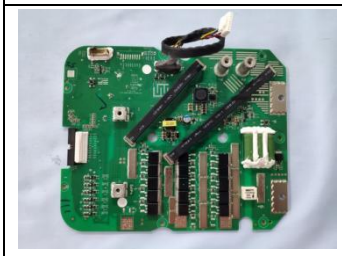
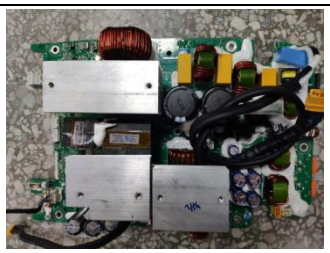
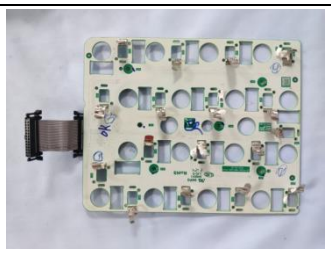
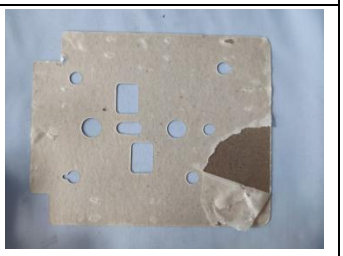
4.4 Disassembly time

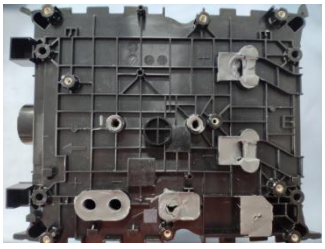
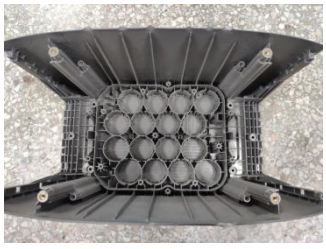
180 minutes 00 seconds

4.5 Disassembly Tree

 A	 A

 B1	 B2	 B3	 B4
 B5	 B6	 B7	 B8

			
B9	B10	B11	B12
			
B13	B14	B15	B16
			
B17	B18	B19	B20
			
B21	B22	B23	B24

		
B25	B26	B27

5. Material Assessment Information

The re-use/recycling and recovery assessment for this product is based upon economic and efficiency considerations, and the waste treatment technologies and equipment that are most frequently available to the market.

Photo No.	Component / Material Composition	Weight (g)	Percent Weight (%)	Reuse/ Recycling (%)	Energy Recovery(%)	Recovery (%)
B1,B2,B3, B12,B14,B25, B26	Hard plastic	3062.13	23.99	17.99	4.80	22.79
B4,B5,B6,B7, B8,B9,B10, B11,B15	Metal	115.82	0.91	0.86	—	0.86
B16,B20,B21, B22,B23	PCBA	3241.74	25.40	22.86	—	22.86
B27	Battery	5904	46.26	43.95	—	43.95
B13,B17,B18, B19,B24	Others	439.02	3.44	3.10	—	3.10
Total		12762.71	100.00	88.76	4.80	93.56

Note:

Due to their insignificant weight and the difficulty of their separation in a manual operation, sticker, solder, paint and printing materials are not included in this assessment. Plastic containing brominated flame retardants is not assessed in the list.

6. Result of Reuse/Recycling/Recovery Calculation

Calculation Method:	
Product total weight	a (g)
Weight of components, sub-assemblies and consumables which are reused for their original purpose or recycled	b (g)
Weight of materials or components where energy is recovered through incineration.	c (g)
Reuse / Recycling	b/a*100 (%)
Recovery	(b+c)/a *100 (%)

7. Reuse/Recycling/Recovery Targets under WEEE Directive

Category under the WEEE Directive	Reuse/Recycling	Recovery
1st category：Temperature exchange equipment	80%	85%
2nd category：Screens, monitors, and equipment containing screens having a surface greater than 100 cm^2	70%	80%
3rd category： Lamps	80%	/
4th category：Large equipment (any external dimension more than 50 cm)	80%	85%
5th category：Small equipment (no external dimension more than 50 cm)	55%	75%
6th category：Small IT and telecommunication equipment (no external dimension more than 50 cm)	55%	75%

8. Annex VII of WEEE Directive

Selective treatment for materials and components of waste electrical and electronic equipment referred to in Article 8(2)

As a minimum the following substances, mixtures and components have to be removed from any separately collected WEEE:

— polychlorinated biphenyls(PCB) containing capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls(PCB/PCT) (1),

— mercury containing components, such as switches or backlighting lamps,

— batteries,

— printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres,

— toner cartridges, liquid and paste, as well as colour toner,

— plastic containing brominated flame retardants,

— asbestos waste and components which contain asbestos,

— cathode ray tubes,

— chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC),

— gas discharge lamps,

— liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimetres and all those back-lighted with gas discharge lamps,

— external electric cables,

— components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5 December 1997 adapting to technical progress for the 23rd time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances,

— components containing radioactive substances with the exception of components that are below the

exemption thresholds set in Article 3 of and Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation,

— electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume).

9. Recommendations for WEEE Directive Compliance

— In order to avoid the product not meeting the reuse/recycling/recovery targets regulated under the WEEE Directive and the regulations of EU countries, the applicant company should, when selecting material and components design, consider they can be easy to reuse and recycle. This consideration will lessen the impact of the required international environmental directives and also improve the product's competitiveness.

— It is recommended that the applicant company, when designing new product, especially where components and materials have a large weight ratio, should consider using recyclable materials in order to increase the product's re-use/recycling/recover ratio.

— The product should apply to the RoHS Directive(EU RoHS Directive(EU) 2015/863 amending Annex II to Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronics equipment. The hazardous substance specification in the Directive should be controlled in the homogenous material of this product.

— If a product has changed its product design, or materials or components employed, then the product should be reassessed and retested in accordance with the WEEE Directive for reuse/recycling/recovery assessment and RoHS for restricted/banned substances requirements.

This report replaces the report which report No. is WTH24H07176985C.

Statement：

1. This report is considered invalid without approved signature and special seal.
2. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which HCT hasn't verified.
3. The result(s)(conclusion) shown in this report refer(s) only to the sample(s) tested.
4. Without written approval of HCT, this report can't be reproduced except in full.
5. Decision rules used in this report:
   (1)According to the Decision rules in the regulations/standards listed in the Test Requested;
   (2)If there is no Decision rules specified in the regulations listed in the Test Requested, then according to CNAS-GL015 Guidelines on Decision Rules and Statements of Conformity, 6.2.1, Simple Acceptance (*w*=0) of The binary Decision rule:
   PASS (Accepted) - The measured value is within the tolerance interval.
   FAIL (Rejected) - The measured value is outside the tolerance interval.

====== End of Report ======