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TEST REPORT
UL 62368-1
STANDARD FOR SAFETY
Audio/video, information and communication technology equipment
Part 1: Safety requirements

Report Number.....:	RLT2405038-05
Date of issue.....:	May 17, 2024
Testing Laboratory.....:	Rhenish-Lab Certification & Testing (Shenzhen) Co.,Ltd.
Testing location.....:	101, Building B, Bailu Plaza, No. 48, Gonghe Industrial Road, Gongle Community, Xixiang Street, Baoan District, Shenzhen, Guangdong, China
Applicant's name.....:	Dongguan Baochenghui electronic technology Co., LTD
Address.....:	Room 602, Building 3, No.4 West First Street, Wusha Xingfa South Road, Chang 'an Town, Dongguan City, Guangdong Province, China
Test specification:	
Standard.....:	UL 62368-1:2019 Ed.3
Test procedure.....:	UL test report
Non-standard test method.....:	N/A
Test Report Form(s) Originator.....:	UL 62368_ Ed.3
Master TRF.....:	January 01, 2022
Test item description.....:	Magnetic wireless power bank
Trade Mark.....:	N/A
Manufacturer.....:	Dongguan Baochenghui electronic technology Co., LTD
Manufacturer address.....:	Room 602, Building 3, No.4 West First Street, Wusha Xingfa South Road, Chang 'an Town, Dongguan City, Guangdong Province, China
Model/Type reference.....:	F19P, F18, F18S, F19, F19S, F20, F20S, F21, F21S, F22, F22S, F23, F23S
Ratings.....:	Input: 5V⎓, 2.0A, 10W
Description.....:	The product covered by this report are magnetic wireless power bank the interior contains a lithium battery.
Model Similarity.....:	Model difference Only the model name and color is different, the others are exactly the same, and all the tests are performed on F19P.

Tested by (Engineer).....:	Sam Deng	Sam Deng
Approved by (Supervisor).....:	Daniel Wan	

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Test item particulars:	
Product group ..... :	☒ end product ☐ built-in component
Classification of use by..... :	☒ Ordinary person ☒ Children likely present ☐ Instructed person ☐ Skilled person
Supply connection..... :	☐ AC mains ☐ DC mains ☒ not mains connected: ☒ ES1 ☐ ES2 ☐ ES3
Supply tolerance ..... :	☐ +10%/-10% ☐ +20%/-15% ☐ + %/ - % ☒ None
Supply connection – type ..... :	☐ pluggable equipment type A - ☐ non-detachable supply cord ☐ appliance coupler ☐ direct plug-in ☐ pluggable equipment type B - ☐ non-detachable supply cord ☐ appliance coupler ☐ permanent connection ☐ mating connector ☒ other:
Considered current rating of protective device..... :	☐ 16 A; Location: ☐ building ☐ equipment ☒ N/A
Equipment mobility..... :	☐ movable ☒ hand-held ☐ transportable ☐ direct plug-in ☐ stationary ☐ for building-in ☐ wall/ceiling-mounted ☐ SRME/rack-mounted ☐ other:
Overvoltage category (OVC) ..... :	☐ OVC I ☐ OVC II ☐ OVC III ☐ OVC IV ☒ other:
Class of equipment ..... :	☐ Class I ☐ Class II ☒ Class III ☐ Not classified ☐
Special installation location ..... :	☒ N/A ☐ restricted access area ☐ outdoor location☐
Pollution degree (PD) ..... :	☐ PD 1 ☒ PD 2 ☐ PD 3
Manufacturer's specified T_{ma}..... :	25 °C ☐ Outdoor: minimum °C
IP protection class ..... :	☒ IPX0 ☐ IP___
Power systems ..... :	☐ TN ☐ TT ☐ IT - V_{L-L} ☒ not AC mains
Altitude during operation (m) ..... :	☒ 2000 m or less ☐ m
Altitude of test laboratory (m) ..... :	☒ 2000 m or less ☐ m
Mass of equipment (kg) ..... :	181.6 g

OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS				
Clause	**Possible Hazard**			
5	Electrically-caused injury			
Class and Energy Source (e.g. ES3: Primary circuit)	Body Part (e.g. Ordinary)	Safeguards		
		B	S	R
ES1: All internal circuits	Ordinary	N/A	N/A	N/A
6	Electrically-caused fire			
Class and Energy Source (e.g. PS2: 100 Watt circuit)	Material part (e.g. Printed board)	Safeguards		
		B	1st S	2nd S
PS1: All internal circuits	N/A	N/A	N/A	N/A
7	Injury caused by hazardous substances			
Class and Energy Source (e.g. Ozone)	Body Part (e.g., Skilled)	Safeguards		
		B	S	R
N/A	N/A	N/A	N/A	N/A
8	Mechanically-caused injury			
Class and Energy Source (e.g. MS3: Plastic fan blades)	Body Part (e.g. Ordinary)	Safeguards		
		B	S	R
MS1: Edges and corners	Ordinary	N/A	N/A	N/A
MS1: Equipment mass	Ordinary	N/A	N/A	N/A
9	Thermal burn			
Class and Energy Source (e.g. TS1: Keyboard caps)	Body Part (e.g., Ordinary)	Safeguards		
		B	S	R
TS1: Accessible parts	Ordinary	N/A	N/A	N/A
10	Radiation			
Class and Energy Source (e.g. RS1: PMP sound output)	Body Part (e.g., Ordinary)	Safeguards		
		B	S	R
N/A	N/A	N/A	N/A	N/A
Supplementary Information: “B” – Basic Safeguard; “S” – Supplementary Safeguard; “R” – Reinforced Safeguard				

Critical Features	
Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability. Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings. Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition. Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.	
Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.	
1.	Measurements- All dimensions indicated in the body of this report are approximations unless otherwise indicated.
2.	Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3.	Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4.	Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described.
5.	Grounding - N/A
6.	Polarized Connection - This product is not provided with a polarized power supply connection.
7.	Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets.
8.	Markings - The product is marked on a labeling system print on the enclosure as follows Applicant's name or brand name; product name; Model number; Electrical ratings; Date of manufacturer （presented as ww yy, "ww" is week and "yy" is year.);
11.	Cautionary Markings - The following are required: CAUTION : RISK OF ELECTRIC SHOCK. DRY LOCATION USE ONLY. ATTENTION: RISQUE DE CHOC ÉLECTRIQUE. EMPLACEMENT SEC UTILISER UNIQUEMENT. Note: The heights of the letters of the word "CAUTION" and "ATTENTION" in the cautionary statement are not less than 3.2mm high. The heights of the remaining letters in the cautionary statements are not less than 1.6mm high.

TABLE: Critical components information				P
Object / part No.	Manufacturer/ trademark	Type / model[1]	Technical data	Mark(s) of conformity[2]
Internal wire	SHENZHEN XINSUN ELECTRIC CO LTD	2464	Min. 20AWG, 80°C, 300V	UL recognized
Cell	JIANGXIDONGTENGLITHIUMCO.LTD	126280	3.85Vdc, 10000mAh	UL recognized
PCB	Various	Various	V-0, 130°C, Thickness min: 1.2mm	UL recognized
IC	ABLIC	8205A	VDS: 20V, 8 Pin TSSOP	Tested with appliance

NOTES:

1) “Various“ means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.

2) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary.

Testing Considerations:

Possible test case verdicts: - test case does not apply to the test object..... : - test object does meet the requirement.....: - test object does not meet the requirement.....:	 N/A P (Pass) F (Fail)
Date of receipt of test item..... :	2024-05-06
Date (s) of performance of tests.....:	From 2024-05-06 to 2024-05-16

The following tests were performed:

Test Description	UL 62368-1:2019 Ed.3 / Clause	Verdict
Equipment for direct insertion into mains socket-outlets	4.7	N/A
Classification of electrical energy sources	5.2	P
Maximum operating temperature test (Heating test)	5.4.1.4, 6.3.2, 9.0, B.2.6	P
Determination of working voltage	5.4.1.8	P
Ball pressure test	5.4.1.10.3	N/A
Solid insulation	5.4.4	N/A
Antenna terminal insulation	5.4.5	N/A
Humidity conditioning	5.4.8	P
Electric strength test	5.4.9	P
Safeguards against capacitance discharge test	5.5.2.2	N/A
Electrical Power Source (PS) measurements for classification	6.2.2	P
Determination of Potential Ignition Sources (Arcing PIS)	6.2.3.1	N/A
Determination of Potential Ignition Sources (Resistive PIS)	6.2.3.2	N/A
Safeguards against fire under single fault conditions	6.4(PS1)	N/A
Equipment safeguard for thermal burn (heating test for thermal burn)	9.2.6	N/A
Input test	Annex B.2.5	P
Simulated abnormal operating conditions	Annex B.3	P
Simulated single fault conditions	Annex B.4	P
Equipment markings, instructions, and instructional safeguards	Annex F	P
Components	Annex G	P
Limited power source test (LPS)	Annex Q.1	N/A
Mechanical strength tests	Annex T	P

Attachment : Photodocument

Photo

Description: Overall view

Photo

Description: Overall view

Photo

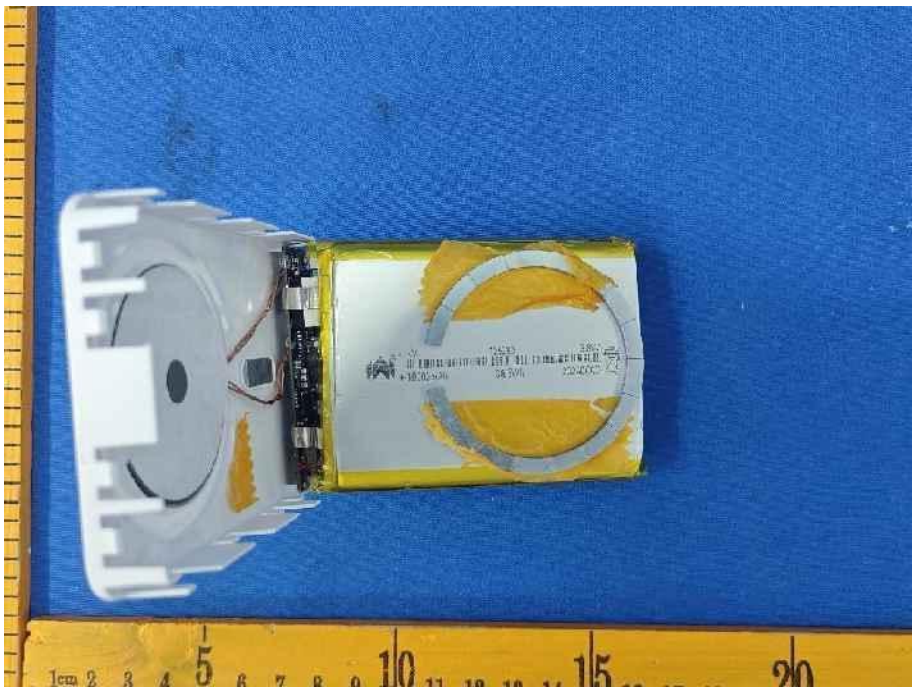
Description: Overall view

Photo

Description: Internal view

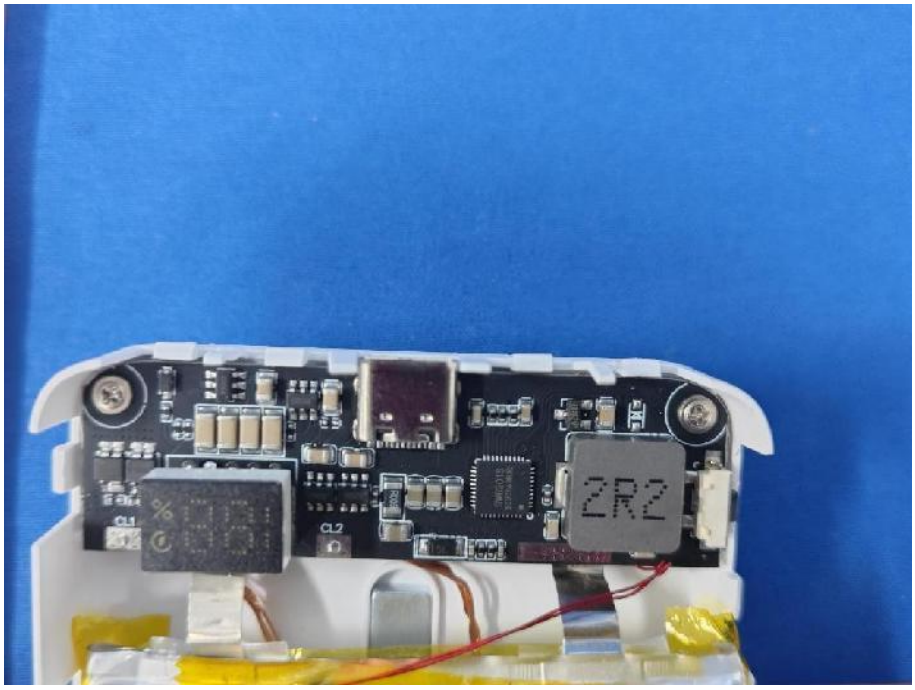
Photo

Description: Internal view



Photo

Description: Internal view



Additional model:

Photo

Description: Overall view

Photo

Description: Overall view

--End of report--