

TEST REPORT

On Behalf of

Product Name: Jump Starter & OBD2 DIAGNOSTIC

Trademark: SUNTNEEW

Model Number: OJ02

Prepared For: XIAMEN ENERGystar ENERGY STORAGE DEVELOPMENT CO., LTD

Address: Room 601, 6th Floor, No. 866-10 Wuxian Road, Graphene New Materials Industrial Park, Torch Hi-tech Zone, Xiamen, Fujian, China

Prepared By: Shenzhen Xunwei Testing Co., Ltd

Address: 605-606, Building F1, Phase II, Haoyi New Sanyang Industrial Zone, Nanhuan Road, Heyi Community, Shajing Street, Bao'an District, Shenzhen City, Guangdong, China

Report No.: XUNW260616506KR

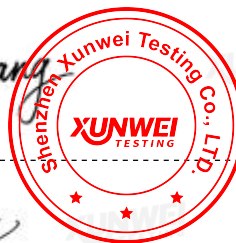
TEST REPORT UL 2743 STANDARD FOR SAFETY Portable Power Packs	
Report Number	XUNW260616506KR
Date of issue	2026-06-25
Name of Testing Laboratory preparing the Report	Shenzhen Xunwei Testing Co., Ltd.
Applicant's Name	XIAMEN ENERGYSTAR ENERGY STORAGE DEVELOPMENT CO., LTD
Address	Room 601, 6th Floor, No. 866-10 Wuxian Road, Graphene New Materials Industrial Park, Torch Hi-tech Zone, Xiamen, Fujian, China
Test specification	
Standard.....	UL 2743:2025 Edition 3
Test procedure	Test report
Non-standard test method	N/A
Test Report Form No.	UL 2743_A
Test Report Form(s) Originator.....	XUNW
Master TRF.....	Dated 2023-04
General disclaimer: The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing Xunwei Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the Xunwei, responsible for this Test Report.	
Test item description	Jump Starter & OBD2 DIAGNOSTIC
Trade Mark	SUNTNEEW
Manufacturer	Guangdong Boltpower Energy Co., Ltd
Address	No.22 Xinfu Road, Lincun, Tangxia Town, Dongguan City, Guangdong Province, China.523710
Model/Type reference	OJ02
Ratings	USB-C Input:5V= 2A USB Output:5V= 3A, 9V= 3A, 12V= 3A

Testing procedure and testing location

Laboratory name : Shenzhen Xunwei Testing Co., Ltd

Testing location/address: : 605-606, Building F1, Phase II, Haoyi New Sanyang Industrial Zone,
Nanhuan Road, Heyi Community, Shajing Street, Bao'an District, Shenzhen
City, Guangdong, China

Testing procedure : TL RMT SMT WMT TMP

Prepared by
(Engineer) : Henry ZhangReviewed By
(Supervisor) : Leo Wang

List of Attachments (including a total number of pages in each attachment):

- Attachment No.1: Photo-documentation

Summary of testing:
Tests performed (name of test and test clause):

The submitted samples were found to comply with the requirements of:

- UL 2743:2025 Edition 3

Testing location:

Shenzhen Xunwei Testing Co., Ltd.

605-606, Building F1, Phase II, Haoyi New Sanyang Industrial Zone, Nanhuan Road, Heyi Community, Shajing Street, Bao'an District, Shenzhen City, Guangdong, China

Copy of marking plate:

The artwork below may be only a draft.

Jump Starter & OBD2 DIAGNOSTIC

Model: OJ02

USB-C Input:5V $\equiv$ 2A

USB Output:5V $\equiv$ 3A, 9V $\equiv$ 3A, 12V $\equiv$ 3A



Guangdong Boltpower Energy Co.,Ltd

No.22 Xinfu Road, Lincun, Tangxia Town, Dongguan City, Guangdong Province, China.523710

Made in China

Notes:

1. The above labels are draft of an artwork for marking plate pending approval by National Certification Bodies and it shall not be affixed to products prior to such an approval.
2. Since similar label used, only label for models above listed to represent other similar ones.

Test item particulars..... :

Classification of installation and use..... : Portable appliance, for household, indoor and temporary outdoor vehicle emergency use

Supply Connection..... :

Possible test case verdicts:

- test case does not apply to the test object..... : N
- test object does meet the requirement..... : P (Pass)
- test object does not meet the requirement..... : F (Fail)

Testing..... :

Date of receipt of test item..... : 2026-06-16

Date (s) of performance of tests..... : 2026-06-16 to 2026-06-25

General remarks:

The test results presented in this report relate only to the object tested.

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"(See Enclosure #)" refers to additional information appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.**Name and address of factory (ies)**..... : Same as Manufacturer**General product information:**

The products is a Jump Starter & OBD2 DIAGNOSTIC Collar, Class III appliance.

All models just appearance and model name are different. Unless otherwise all tests were conducted at the model of OJ02.

UL 2743 Complete Document UL Standard for Safety Portable Power Packs		
Clause	Description Requirement	Verdict
42	Power Input Test	P
43	Normal Charging Operation Test	P
44	Lithium Charging System Test	P
45	Capacitor Discharge Test	N/A
46	Leakage Current Test	N/A
47	Normal Temperature Test	P
48	Dielectric Voltage Withstand Test	P
49	Leakage Current Following Humidity Conditioning	N/A
50	Abnormal Operation Tests	N/A
51	Vibration Test	P
52	Ground Continuity	N/A
53	Overload Tests	P
54	Strain Relief Test	N/A
55	Strength of Enclosure Tests	P
56	Mold Stress Test	P
57	Strength of Handles Test	N/A
58	Stability Test	N/A
59	Hydrostatic Strength Test	P
60	Rain Test	N/A
61	Tests on Insulating Materials	P
62	Accelerated Aging of Gaskets, Sealing Compounds, and Adhesives Test	N/A
63	Metallic Coating Thickness Test	N/A
64	Permanency of Wrapped Hang Tag Marking	N/A
65	Power Pack Ampacity Test	N/A
66	Back Feed Test	N/A
67	Cold Bend Test	N/A
68	Clamp Tests	N/A

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UL 2743			
Clause	Requirement	Remark	Result

INTRODUCTION			
1	Scope		P
1.1	These requirements cover power banks, sometimes also known as portable USB chargers or portable back-up battery power, which are standalone devices that incorporate batteries for mobile powering of low voltage electronic devices.		P
1.2	These requirements do not cover products with dedicated inputs from external photovoltaic panels or vehicle 12 Vdc adapters, or other power pack products under the scope of the Outline of Investigation for Portable Power Packs, UL 2743.		P
1.3	These requirements cover products with integral photovoltaic cells as power source.		P
2	Components		P
2.1	A component of a product covered by this outline of investigation shall comply with the requirements for that component. See Appendix A for a list of standards covering components generally used in the products covered by this outline of investigation.		P
2.2	Lithium ion cells shall comply with either the Standard for Lithium Batteries, UL 1642 or the Standard for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes – Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made From Them, for Use in Portable Applications, UL 62133.	Cell complied with UL 1642.	P
2.3	Nickel cells shall comply with either the Standard for Household and Commercial Batteries, UL 2054 or the Standard for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes – Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made From Them, for Use in Portable Applications, UL 62133.	Test complied.	P

CONSTRUCTION			
6	General		P
6.1	If the operation and maintenance of a power pack by the user involves a risk of injury to persons, a risk of electric shock, or a risk of fire, means shall be provided to reduce the risk. When evaluating a power pack, consideration shall be given to reasonably foreseeable misuse of the product.	Test complied.	P

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UL 2743			
Clause	Requirement	Remark	Result
6.2	Power packs intended for use within a repair facility, and marked as such as indicated in 69.4, shall be provided with instructions containing the statement in 74.3 and shall be marked as shown in 70.17. Power packs that are not intended for use in a repair facility shall be marked in accordance with 70.18.		P
6.3	Outdoor use power packs shall be evaluated for all environmental considerations addressed by this Standard and are intended to be used and stored either outdoors or indoors. Temporary outdoor use power packs shall be evaluated for exposure to rain, shall be marked in accordance with 70.19 and 70.20, and shall be provided with instructions in accordance with 74.5. Indoor use only power packs shall be marked in accordance with 70.21 and shall be provided with instructions in accordance with 74.6. Indoor use only packs need not comply with the environmental considerations in 7.5.		P
6.4	For power packs not marked in accordance with 70.22, the device shall be subjected to the Vibration Test, Section 51.	Test complied.	P

PERFORMANCE			
42	Power Input Test		P
42.1	The current input to a power pack shall not exceed 110 percent of the marked current rating of the power pack, when the power pack is operated under the conditions of maximum normal load.	.	P
42.2	Maximum normal load shall consist of the maximum current draw while the power pack is operating in all possible modes.		P
43	Normal Charging Operation Test		P
43.1	Charging a lithium-ion battery under normal conditions shall not exceed the specified operating region for charging of the cell.		P
43.2	Compliance with 43.1 is checked by the following tests in 43.3 - 43.7.		P
44	Lithium Charging System Test		P
44.1	A sample of the power pack subjected to this test shall be considered to comply with this test provided none of the following has occurred: a) There has been no explosion during this test; b) No charring or burning of the medical gauze, cheesecloth or tissue paper has resulted; and		P

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UL 2743			
Clause	Requirement	Remark	Result
	c) The cells shall not have exceeded the upper limit charging voltage by more than 150 mV or, if they have, then the charging system shall be permanently disabled from recharging the battery.		
45	Capacitor Discharge Test		P
45.1	A power pack provided with filtering capacitors, or other primary capacitors, rated in excess of 0.10 μ F and connected between one side of the line and ground, shall be subjected to the Capacitor Discharge Test.		P
46	Leakage Current Test		N/A
	A power pack shall be tested in accordance with 46.2 – 46.7. Leakage current shall not be more than 0.5 mA.		N/A
47	Normal Temperature Test		P
47.1	A power pack, when tested under the conditions of maximum normal load as described in 47.2 shall not reach a temperature high enough to cause a risk of fire, to damage any materials used, or exceed the temperature rises specified in Table 47.1. See Section 39, Surface Temperatures.		P
48	Dielectric Voltage Withstand Test		P
48.1	While in a well-heated condition, a power pack shall withstand for 1 minute without breakdown the application of a 60 Hz essentially sinusoidal potential of: a) 1000 volts plus twice the maximum rated voltage between: 1) The primary circuit and dead metal parts; 2) The primary and secondary circuits; 3) Secondary circuits operating above 50 V and dead metal parts; and 4) Secondary circuits operating above 50 V and secondary circuits operating below 50 V. b) 500 volts between: 1) Secondary circuits operating below 50 volts and dead metal parts, and 2) Secondary circuits operating below 50 volts and other secondary circuits operating below 50 V.		P
49	Leakage Current Following Humidity Conditioning		N/A
49.1	A power pack shall comply with the requirements for leakage current in Section 46, Leakage Current Test, following exposure for 48 hours to air having a relative humidity of 88 ± 2 percent at a temperature of $32 \pm 2^{\circ}$ C ($90 \pm 4^{\circ}$ F).		N/A
49.2	To determine whether a product complies with the requirement in 49.1, a sample of the power pack is to be heated to a temperature just above 34° C		N/A

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UL 2743			
Clause	Requirement	Remark	Result
	(93° F) to reduce the likelihood of condensation of moisture during conditioning.		
50	Abnormal Operation Tests		P
50.1	A power pack shall not emit flame or molten metal or become a risk of fire, electric shock, or injury to persons when subjected to the tests specified in 50.2 - 50.10. Separate samples are to be used for conducting each test, unless using a sample for more than one test is agreeable to all concerned.		P
50.2	Output short test		P
50.3	Reverse polarity of booster cables		P
50.4	Component faults		P
50.5	Relay and solenoid burnout		P
50.6	Printed-wiring board abnormal test		P
50.7	Disconnected fan test		P
50.8	Blocked ventilation test		P
50.9	Overcharging test		P
50.10	Internal battery reverse polarity test		P
51	Vibration Test		P
51.1	Cells shall not catch fire nor explode during or immediately following the Vibration Test.		P
51.2	The Vibration Test shall consist of vibration for 4 hours at a frequency of 22 cycles per second with a displacement of 6.4 mm (1/4 inch) in a vertical plane. The unit is to be mounted as intended during the test.		P
53	Overload Tests		P
54	Strain Relief Test		N/A
55	Strength of Enclosure Tests		P
55.1	A power pack shall be tested as described in 55.2 and 55.3. Following these tests, the power pack shall: a) Not permit a probe, as illustrated in Figure 7.1, to contact an uninsulated live part that may involve a risk of electric shock; b) Comply with the Dielectric Voltage Withstand Test, Section 48, with the potential applied between live parts and accessible dead metal parts; and c) Not have a permanent distortion of a metallic enclosure that reduces spacings below the minimum values, as specified in Spacings, Section 29.		P
55.2	Impact test		P
55.3	Drop test		P

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Clause	Requirement	Remark	Result
56	Mold Stress Test		P
	The sample is to be placed in an air circulating oven at a temperature equal to 10 degrees higher than the maximum temperature observed on the enclosure during the temperature test, but not less than 80° C (176° F) or 70° C (158° F) if marked in accordance with 70.22. The sample is to be conditioned in the oven for 7 hours.		P
57	Strength of Handles Test		P
	A handle used to lift or carry a power pack shall withstand a force of four times the weight of the power pack without breakage of the handle, its securing means, or that portion of the enclosure to which the handle is attached.		P
58	Stability Test		P
	A power pack shall not tip over but shall return to its normal at rest position when: a) Tipped through an angle of 10 degrees from an at rest position on a horizontal surface; or b) Placed on an inclined plane inclined at an angle of 10 degrees from the horizontal.		P
59	Hydrostatic Strength Test		P
	A hydrostatic strength test is to be conducted by filling the pressure confining portion of the sample with water so as to exclude all air, connecting the sample to a hydraulic pump, gradually increasing the pressure to the specified test value, and holding it for a period of 1 minute. As a result of the test, the pressure confining portion of the sample shall withstand without rupture a test pressure of five times the maximum pressure developed by the system, or five times the rated pressure of the power pack's air compressor, whichever is greater	As a result of the test, the pressure confining portion of the sample shall withstand without rupture a test pressure of five times the maximum pressure developed by the system	P
60	Rain Test		N/A
	The rain test apparatus is to consist of three spray heads mounted in a water supply pipe rack as illustrated in Figure 60.1. The spray heads are to be constructed in accordance with the details illustrated in Figure 60.2. The water pressure for all tests is to be maintained at 34.5 Pa (5 psig) at each of the spray heads. The distance between the center nozzle and the product is to be 1.5 m (5 feet). The product is to be brought into the focal area of the three spray heads in the position intended during use. The spray is to be directed at a 45 degree angle from the vertical toward the product. The total exposure is to be for	Non-outdoor use	N/A

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UL 2743			
Clause	Requirement	Remark	Result
	1 hour.		
61	Tests on Insulating Materials		P
	The insulating material is to be placed between two opposing electrodes. The electrodes are to be cylindrical brass or stainless steel rods 1/4 inch (6.4 mm) in diameter with edges rounded to a 0.8 mm (1/32 inch) radius. The upper moveable electrode is to weigh 50 ± 2 grams (1.76 ± 0.07 ounces) to exert sufficient pressure on the specimen to provide good electrical contact. The test potential shall be as indicated in the Dielectric Voltage Withstand Test, Section 48, and is to be maintained for 1 second.	1000V,1S	P
62	Accelerated Aging of Gaskets, Sealing Compounds, and Adhesives Test		N/A
	The requirements in 62.2 - 62.6 apply to gaskets and sealing compounds employed to make an enclosure raintight or rainproof as determined by the Rain Test, Section 60. The requirements in 62.7 apply to an adhesive used to secure a gasket.		N/A
63	Metallic Coating Thickness Test		N/A
	The solution used for the test is to be made from distilled water and is to contain 200 grams per liter (26.7 ounces per gallon) of American Chemical Society (ACS) reagent grade chromic acid (CrO ₃) and 50 grams per liter (6.7 ounces per gallon) of ACS reagent grade concentrated sulfuric acid (H ₂ SO ₄). The latter is equivalent to 27 milliliters per liter of ACS reagent grade concentrated sulfuric acid, specific gravity 1.84, containing 96 percent of H ₂ SO ₄ .	NO Metallic Coating	N/A
64	Permanency of Wrapped Hang Tag Marking		N/A
	a) Tearing at any point for more than 1.6 mm (1/16 inch); b) Movement of the tag more than 12.7 mm (1/2 inch) along the length of the cable; c) Shrinkage, wrinkling, cracking, or other deformation that renders the marking illegible; or d) Visible curling or loosening around the edges of a tag with an adhesive back.	NO Hang Tag	N/A
65	Power Pack Ampacity Test		N/A
	A lead-acid power pack with a booster function shall be subjected to the Power Pack Ampacity Test for 10 seconds. Lead acid batteries are to be loaded such that the constant output voltage is 7.2 volts. For Lithium-Ion powered units with protection circuitry, the Power Pack Ampacity Test is to be conducted for 5 seconds and the battery packs may be loaded to the lowest constant output voltage that the battery pack will allow, and this constant voltage will also be included with the	No lead-acid power pack	N/A

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Clause	Requirement	Remark	Result
	battery pack's rating, along with the time duration of the ampacity output. The ampacity is to be recorded for the duration of the test. At the end of the test, the ampacity is to be recorded and this shall be the power pack's ampacity rating. The Power Pack Ampacity Temperature Test, see 47.3, is to be conducted at the same time as the Power Pack Ampacity Test, but note it is continued longer than to obtain the ampacity rating.		
66	Back Feed Test		N/A
	Under both normal operation and single fault conditions, the voltage present at the input connections when the power pack is not connected to the power source shall not exceed 60 V dc, and the available current shall not exceed 3.5mA		N/A
67	Cold Bend Test		N/A
	There shall be no evidence of cracks on the inside or outside surfaces after the test has been completed.		N/A
68	Clamp Tests		N/A
68.2	Cold drop test		N/A
68.3	Dielectric voltage-withstand test		N/A
68.4	Secureness test		N/A

MARKINGS			
Appendix A	General		P
	Risk of Electric Shock. Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.		P
	For continued protection against risk of fire, replace only with same type and rating of fuse.		P
	Refer replacement to qualified service personnel.		P
WARNING			P
	Do not overcharge the internal battery. See Instruction Manual.		P
	Do not smoke, strike a match, or cause a spark in the vicinity of the power pack.		P
	Only charge the internal battery in a well ventilated area.		P
	Risk of Electric Shock. Connect only to properly grounded outlets.		P
	Risk of Injury To Persons. Do not use this product if the power cord or the battery cables are damaged in any way.		P
	Risk of Electric Shock. This cover is provided with an interlock. Do not defeat its purpose or attempt to service without removing cover completely.		P

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Clause	Requirement	Remark	Result
	Risk of Explosion. This equipment has arcing or sparking parts which should not be exposed to flammable vapors. This equipment should be located at least 457 mm (18 inches) above the floor when used in a repair facility.		P
	This device is not intended for use in a commercial repair facility.		P
	This device is intended to be stored indoors when not in use. This device shall not be stored or left outdoors when not in use.		P
	This device is intended for temporary use outdoors and reasonable care should be exercised when using this device in wet conditions.		P
	This device is intended to be used indoors only. Do not use outdoors.		P
	Risk of Electric Shock and Risk of Fire. This device is not to be stored in a vehicle.		P

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UL 2743			
Clause	Requirement	Remark	Result

Appendix 1: Critical components information

Component Name	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
Plastic enclosure	CHI MEI CORPORATION	PA-765A(+)	V-0, 80°C	UL94	UL E56070
PCB	SHENZHEN SHAN XU ELECTRONIC CO LTD	SX-M1	V-0, 130°C, Min. thickness 1.2mm	UL 94, UL 796	UL E360487
Internal Wire	DONGGUAN ZHONGZHENG WIRE & CABLE TECH CO LTD	3266	VW-1, 125°C, 300VAC, Min. 22AWG	UL 758	UL E336285
Battery	Anhui Enrich Power Battery Technology Co.,Ltd.	EP446888	14.8V 2000mAh	UL1642	UL
Remark:					

UL 2743			
Clause	Requirement	Remark	Result

43 Normal Charging Test						P
Requirement	The battery is charged in accordance with the charging system instructions starting with a fully discharged battery. Testing is carried out at an ambient temperature of 20 ±5° C (68 ±9° F) and: a) If the power pack is recommended to be operated at a minimum temperature lower than 4° C(39.2° F), the test is also conducted at that minimum temperature plus 0/minus 5 ° C (plus 0/minus 9 ° F); or b) If the appliance is recommended to be operated at a maximum temperature greater than 40° C (104° F), the test is also conducted at that maximum temperature plus 5/minus 0 ° C (plus 9/minus 0 ° F).43.4 All individual cell voltages, temperatures and the charging current (or multiple current measurements as in the case of parallel configurations unless analysis makes this unnecessary) are monitored. Cells shall not experience conditions outside their specified operating region for charging (e.g.limits of voltage and current). Below is an example result of such analyses.					
Ambient temperature (°C):	23.5					
Acceptance criteria	No explosion or catch fire, or chemical leak					
Measurement Record						
Model	Charge voltage (V)	Charge current (mA)	Charge time (h)	/	Maximum Cell Temperature (°C)	Results
OJ02	5Vdc	3000	1	/	32.3	P
OJ02	5Vdc	3000	2	/	31.2	P
OJ02	5Vdc	3000	3	/	31.6	P
OJ02	5Vdc	3000	4	/	31.5	P
Remark:						

44.6 Lithium Charging System Test						P
Requirement		Components in the charging circuit are faulted as described in 44.6, one at a time, if the outcome of such a fault is uncertain based upon analysis. For each fault condition introduced, the state of the battery before charging is as follows: 1) A series configured battery is to have a deliberate imbalance. The imbalance is to be introduced into a fully discharged battery by charging one cell to approximately 50 percent of full charge; 2) If the test of Section 43, Normal Charging Operation Test, is conducted with an imbalance of less than 50 percent, a series configured battery is to have a deliberate imbalance as established in 44.6; or 3) A single cell or parallel only configuration battery is to be fully discharged.				
Ambient temperature ($^{\circ}\text{C}$):		23.4				
Acceptance criteria		No explosion or catch fire, or chemical leak				

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UL 2743			
Clause	Requirement	Remark	Result

Measurement Record						
Model	Charge voltage (V)	Charge current (mA)	Charge time (h)	Single fault component	Maximum Cell Temperature (°C)	Results
OJ02	5Vdc	3000	5	U1	33.4	P
OJ02	5Vdc	3000	6	U1	31.3	P
OJ02	5Vdc	3000	7	U1	31.8	P
OJ02	5Vdc	3000	8	U1	32.1	P
Remark:						

46	TABLE: touch current measurement			N/A
Measured between:		Measured (mA)	Limit (mA)	Comments/conditions
--		--	--	--
supplementary information:				
Tested voltage:				

47	TABLE: Thermal requirements						P
	Supply voltage (V)	DC12V	DC12V	--	--	--	—
	Ambient T _{min} (°C)	--	--	--	--	--	—
	Ambient T _{max} (°C)	--	--	--	--	--	—
Maximum measured temperature T of part/at.....		T (°C)					Allowed T _{max} (°C)
--		Input	output	--	--	--	--
PCB near U1		111.8	108.2	--	--	--	130
PCB near Q1		111.5	109.3	--	--	--	130
Plastic enclosure		85.2	83.0	--	--	--	Ref.
Ambient		24.8	24.7	--	--	--	--
Supplementary information:							
Temperature T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
--	--	--	--	--	--	--	--
Supplementary information: (*) worst condition for heating test							

UL 2743			
Clause	Requirement	Remark	Result

48	TABLE: Electric strength tests			P
Test voltage applied between:		Voltage shape (AC, DC, impulse, surge)	Test voltage (V)	Breakdown Yes / No
output port to plastic enclosure with metal foil		DC	500	No
Supplementary information:				

49	TABLE: Leakage Current Following Humidity Conditioning			N/A
Measured between:		Measured (mA)	Limit (mA)	Comments/conditions
--		--	--	--
supplementary information:				
Tested voltage:				

50	TABLE: Fault condition tests				P
	Ambient temperature (°C)			See below	—
	Power source for EUT: Manufacturer, model/type, output rating			See copy of marking plate	—
Component No.	Fault	Supply voltage (V)	Test time	current (A)	Observation
U1	SC	5V	10min	/	Unit shutdown immediately, recoverable, no hazards.
D1	SC	5V	10min	/	Unit shutdown immediately, recoverable, no hazards.
Q1	SC	5V	10min	/	Unit shutdown immediately, recoverable, no hazards.
C1	SC	5V	1s	/	Fuse F1 opeded immediately, no hazards.
Supplementary information:					
1 After fault condition, output voltage complied with SELV requirement.					
2. The unit passed 1000V hi-pot test between primary and accessible output connector after single fault test above.					
3. After fuse opened condition, same result came out for each source of fuse used and the fuse does not Cracked.					

Attachment No.1 Photo-documentation



Photo 1



Photo 2

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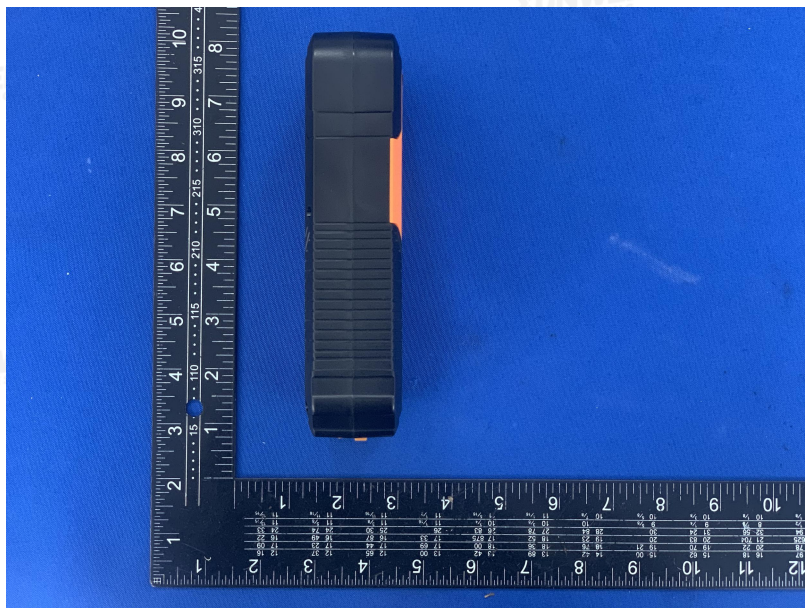


Photo 3



Photo 4

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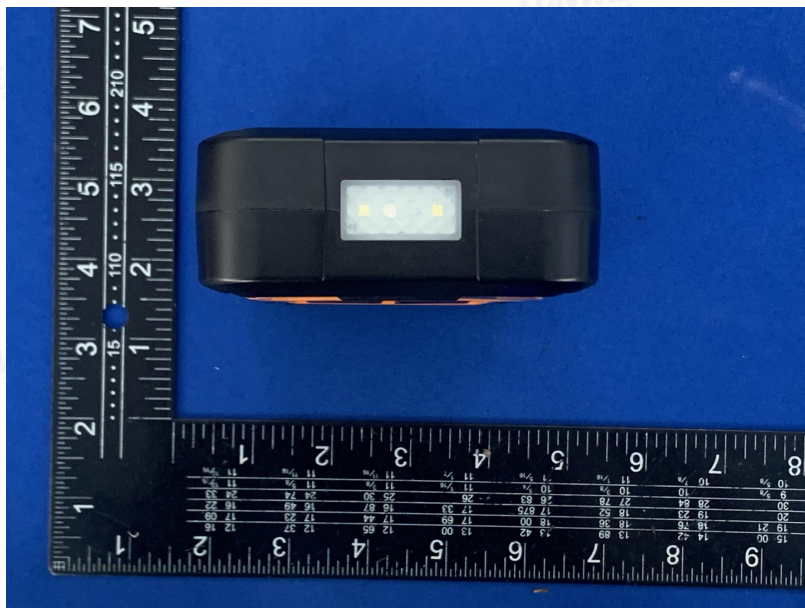


Photo 5



Photo 6

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Photo 7

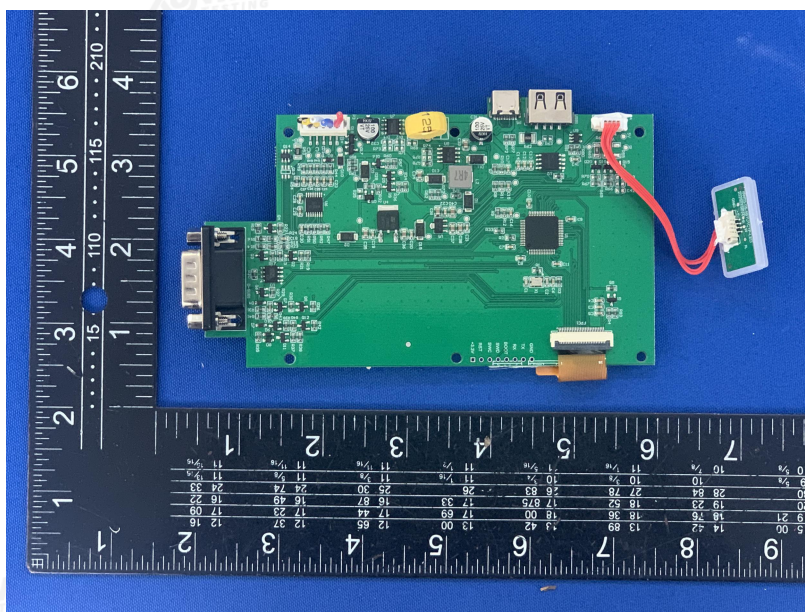


Photo 8

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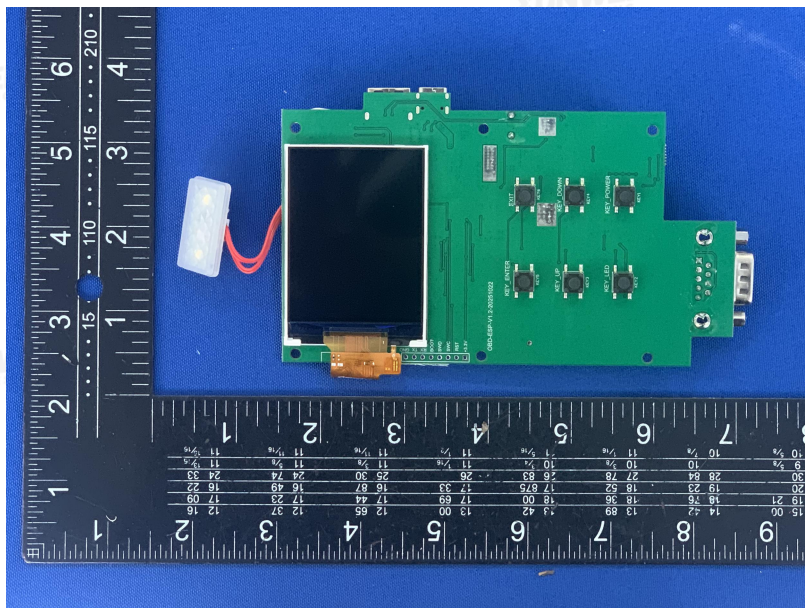


Photo 9

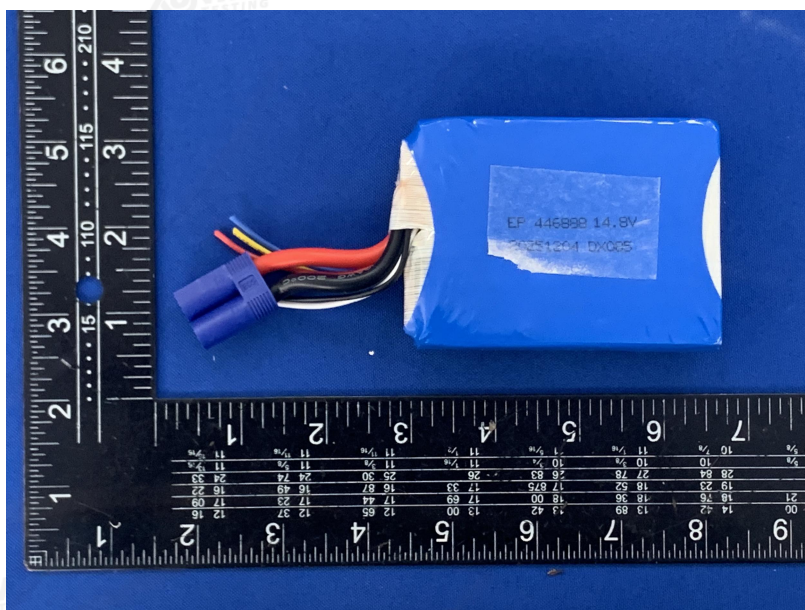


Photo 10

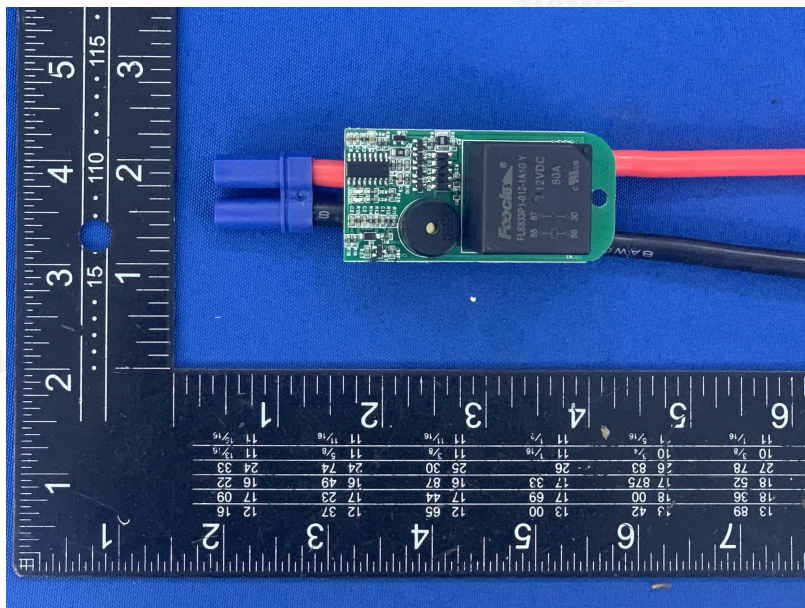


Photo 11

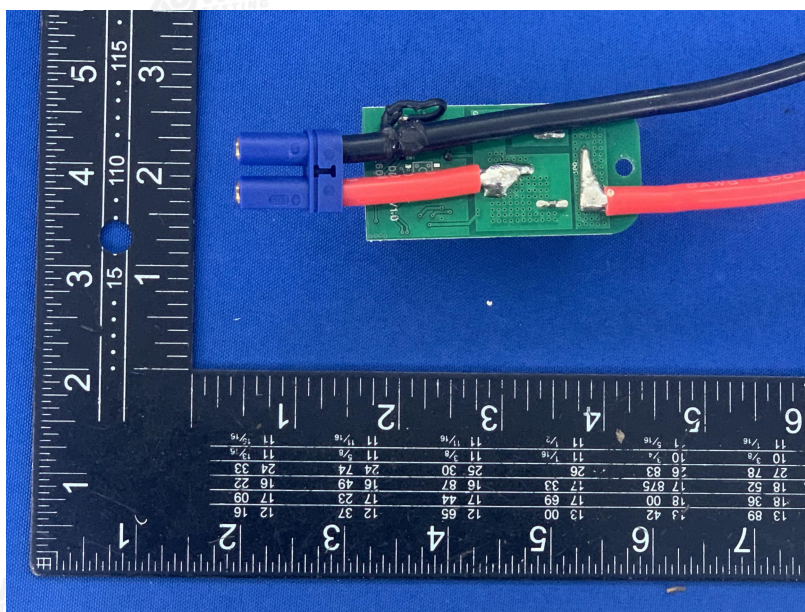


Photo 12

***** END OF REPORT *****