

#### **TEST REPORT**

#### **UL 2849**

### **Electrical Systems for eBikes**

Report Number.....: LCT-250601244829

Tested By (+signature).....: John Yang

Reviewer

Witnessed by(+ signature).....: Eric Zhang

Project Handler

Approved By (+signature).....: Arthur Chen

Approved

Date of issue....: 2025-06-26

Total number of pages.....: 20

Name of Testing Laboratory preparing the Report.....: Shenzhen Lice Testing Technology Co., Ltd.

Applicant's name...... Huizhou Jingyan Trade Co., LTD.

Address...... 601, 6th Floor, No. 34, Yinghu Road, Xianan Village, Yuanzhou

Town, Boluo County

Manufacturer's name...... Huizhou Jingyan Trade Co., LTD.

Address...... 601, 6th Floor, No. 34, Yinghu Road, Xianan Village, Yuanzhou

Town, Boluo County

Test specification:

**Standard.....:** UL 2849:2022

Test procedure.....: UL test report

Directive.....: N/A

Test Report Form No.....: UL 2849 1.0

Master TRF...... Dated 2024-10-18

Test item description.....: Electric Bike

Trade Mark(s) .....: N/A

Model/Type reference.....: G11

**Ratings.....** DC 54.6V, 2A

(Adapter Input: AC 110-240V, 100W, 50/60Hz

Output: DC 54.6V, 2A)



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

- Attachment 1: Photos of Product.

#### Summary of testing:

#### Tests performed (name of test and test clause):

See Report for details.

#### Testing location:

Shenzhen Lice Testing Technology Co., Ltd. Room 112-113, Building B15, Yintian Industrial Zone, Yantian, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China

#### Copy of marking plate (Representative):

#### **Electric Bike**

Model: G11

Ratings: DC 54.6V, 2A

(Adapter Input: AC 110-240V, 100W, 50/60Hz

Output: DC 54.6V, 2A)



Huizhou Jingyan Trade Co., LTD.

#### **YYMDDA**

Made in China

#### Notes:

- Date code "YYMDDA" will change as actual production date.
- Due to similarity of rating labels, only above label is listed.

Possible test case verdicts:	
- test case does not apply to the test object:	N/A
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing:	
Date of receipt of test item:	2025-06-18
Date (s) of performance of tests	2025-06-18 to 2025-06-26
General remarks:	
"(See Enclosure #)" refers to additional information	
"(See appended table)" refers to a table appended	to the report.
Throughout this report a $\square$ comma / $\boxtimes$ point	t is used as the decimal separator.
General disclaimer:	
The test results presented in this report relate only. This report shall not be reproduced, except in full, v Laboratory.	
	port shall be invalid without the signature of the approver. g seal of Shenzhen Lice Testing Technology Co., Ltd
	ct name, model, trademark and other information in the atory is not responsible for verifying their authenticity.
The authenticity of this Test Report and its contents responsible for this Test Report.	s can be verified by contacting the Testing Laboratory,
General product information and other remarks	s:
1.The product covered in this report is a Electric Billabel of output rating for details.	ke, which is supplied from battery, these ratings see the
2.The product covered by this report is an Electric E	3ike,having a rating output: 54.6VDC, 2A,
1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	C 110-240V, 100W, 50/60Hz, output: DC 54.6V, 2A).
Relevant Technical consideration:	
-Maximum ambient temperature: 25°C	
Model Difference: N/A	

No.1	Clause(s)	Test(s)	<u>Remark</u>	Comment	
	7	General	Maximum altitude of 2000 m ambient temperature range of 0°C to 40°C	Pass	
	8	Power Levels	DC54.6V <240VA	Pass	
	9	Combination of Battery, Battery Management System, and Charger	UL 2271 UL 62368-1	Pass	
	10	User Protection While Charging	UL 2097	Pass	
	11	Battery Packs	UL 2271	Pass	
	12	Safety Circuits and Safety Analysis	UL 60730-1	Pass	
	13 Enclosing and Insulating Haz		rdous UL 746C RTI>80°C V-1, UL94 No Sharp Edges		
	14	Mounting	Vibration Test	Pass	
	15	Printed Wiring Boards	UL 796	Pass	
	16	Spacings and Separation of Circuits	UL 62368-1 for Electric Bike	Pass	
	17	Flammability	V-0, UL94 Passed by UL 62368- 1 for Electric Bike	Pass	
	18	Internal Wiring and Terminals	Cannot touch live part	Pass	
	19	Overcurrent Protection	UL 248-1	Pass	
	20	Motors and Motor Controllers	UL 1004-1	Pass	
	21	Operator Interface and Communication Devices	UL 62368-1	Pass	
	22	Grounding and Bonding		N/A	
	23	Chargers	UL 62368-1	Pass	
	24	Electrical Cables and Connectors Between the eBike and the Equipment		Pass	
	25	Supply Connections	UL 62368-1	Pass	

27	Input Test	See the table	Pass
28	Temperature Test	See the table	Pass
29	Isolation Resistance Test	See the table	Pass
30	Dielectric Strength Test	See the table	Pass
31	Humidity Conditioning	See the table	Pass
32	Abnormal Operations Tests	See the table	Pass
33	Impact Test	See the table	Pass
34	Mold Stress	See the table	Pass
35	Flexing Test		N/A
36	Ingress Protection Tests	See the table	Pass
37	Permanence of Marking	See the table	Pass
38	Vibration Test	See the table	Pass
39	Strain Relief	See the table	Pass
40	Startup Assistance Mode Test		Pass
41	Motor Assistance Control		Pass
42-44	MARKINGS		Pass
45-50	MARKINGS		Pass

Critical compo	onents informatio	n			
Component Name	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
Li-ion Battery Charger	Various	HZ-48V	Input: AC 110-240V, 100W, 50/60Hz, output: DC 54.6V, 2A	UL 62368-1	UL
Frame	Various	Various	Min thickness 1.7mm, V-2, HWI=2, HAI=0, 105°C, screw for fixing	UL746 UL94	UR
Controller	Various	Various	48V 25A		UR
MOTOR	Various	Various	48Vdc 500W	UL 2849	Tested with appliance
Battery	Huizhou baidatong new energy Co., Ltd.	YT-HZQ10C	48V 10Ah	UL 2271	UL
Remark:		,		1	

Spacings (16)

16	Electrical Spa	ctrical Spacings								
	Clearance (cl) and creepage distance (cr) at/of/between:		U r.m.s. (V)	Required cl (mm)	cl (mm)	Required cr (mm)	cr (mm)			
Opposite polarity of	of battery		54.6	1.7	>2.5	1.7	>2.5			
Input to Enclosure				-						
Primary component to accessible enclosure (RI)				-						
Primary trace to se trace under transfo (RI)										
Primary winding to secondary winding of transformer (T1) (RI)										
Supplementary inf	ormation									
Note(s):										

# **Protection of Users – Accessibility of Terminals** (18)

18	Accessibility pr		Pass				
Location	Dimension of opening	Tester	Tester Observations Pass				
Opening	No opening	Articulate probe	Can't touch Live parts and dangerous moving parts	V			

# INPUT TEST (27)

## Method:

EUT is operating at: U=Un, F=Fn.

Load of the EUT is under maximum normal load.

The input current and wattage to the EUT shall be measured.

Multiple rated voltages or rated voltage range, each rated voltage shall be measured. The current and power shall be taken under steady state conditions.

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### Result:

27	TABLE: E	lectrical dat	a (in norma	conditions	s)			Pass	
	[ X ] Max. Available load [ ] All interfaces and wireless max. load transmission [ ] 1/8 of 100% or [ ] Max. available non-clipped output power [ ]								
U (V) F (Hz) I (A) I rated (A) P (W) Fuse # I fuse (A) Condition/statu									
240	50	0.45		91.5	F1	0.45	Charge	the battery	
100	60	1.15		92.0	F1	1.15	Charge	the battery	
DC54.6V		1.52	2.0	83.0			Charge	the battery	
Voltage re	gulator:								

## Temperature Test (28)

### Method:

EUT primary is U=Un, F=Fn, operated under normal max. load.

Temperatures of parts are measured by thermal couplers, windings are measured by resistance change method.

Measuring place shall be a point close to the heat source.

The test is continued until thermal stable.

Voltage is changed lower or higher tolerance without rest of time.

### Result:

28	TABLE: Thermal requirements,					Pass
	Supply voltage (V)	DC 54.6V			 	_
	Ambient Tmin (°C)	24.2			 	_
	Ambient Tmax (°C):	24.0			 	_
	Max. load	Charge battery			 	
	Model				 	
Maximum measured temperature T of part/at::			T (°	C)		Allowed Tmax (°C)
Enclosure of Electric Bike					 	95
PCB near	IC	56.2			 	130
Internal wi	re	47.8			 	75
Capacitor		46.5			 	105
Connector		41.5			 	70
Battery		38.8			 	60
Enclosure of battery		43.0			 	95
LCD panel					 	95
Switch		38.4			 	85

#### Supplementary information:

Temperature T of winding:	t1 (°C)	R1 (Ω)	t2 (°C)	R2 (Ω)	T (°C)	Allowed T <sub>max</sub> (°C)	Insulatio n class

#### Supplementary information:

- NF: No Fire

- NE: No Explosion

- NL: No Leakage

- NR: No Rupture

- NS: No Electric shock hazard
- Fire: the emission of flames from a cell or battery.
- Explosion: failure that occurs when a cell container or battery case opens violently and major components are forcibly expelled.
- Leakage: visible escape of liquid electrolyte.- Others (please explain)

## Result:

28	TABLE: Thermal requ	irements,							Pass
	Supply voltage (V)		:	ver by full attery					_
	Ambient Tmin (°C)		: 2	23.8					_
	Ambient Tmax (°C):		: 2	23.9					_
	Max. load		Max	x. load					
	Model								
Maximum measured temperature T of part/at::				Т (°	C)			Allowed Tmax (°C)	
Enclosur	e of Electric Bike		4	17.6					95
PCB near IC		6	6.2					130	
Internal wire		5	51.4					75	
Capacitor			54.0					105	
Connecto	or								70
Battery			4	18.2					60
Enclosur	e of battery		4	7.6					95
Winding	of Motor			51.4					70
Enclosur	e of Motor			6.8					90
LCD pan	el		3	88.8					95
Switch			3	36.5					85
Compate									
Supplem	entary information:							llowed	la sudst
Tempera	ture T of winding:	t1 (°C)	R1 (Ω)	t2 (°C	R2 (Ω)	T (°	( ' )	llowed	Insulatio n class

Temperature T of winding:	t1 (°C)	R1 (Ω)	t2 (°C)	R2 (Ω)	T (°C)	Allowed T <sub>max</sub> (°C)	Insulatio n class
				-	-		ı

#### Supplementary information:

- NF: No Fire
- NE: No Explosion
- NL: No Leakage
- NR: No Rupture
- NS: No Electric shock hazard
- Fire: the emission of flames from a cell or battery.
- Explosion: failure that occurs when a cell container or battery case opens violently and major components are forcibly expelled.
- Leakage: visible escape of liquid electrolyte.- Others (please explain)

### Isolation Resistance Test (29)

#### Method:

The test is made while the EUT is still in well-heated condition

Make sure the power switch of the EUT is in ON position.

Thin material can be tested in room temperature.

The test voltage is d.c. 500 voltage

Test voltage is applied gradually raised from zero to the specified voltage and held at that value for 60s.

33	TABLE: Insulation resistance measurements						
Insulation re	esistance R between:	R (MΩ)	R (MΩ) Requ				
DC input an	d enclosure	>100 MΩ	5	50000Ω			
L/N and end	closure	>100 MΩ 5		50000Ω			
L/N and out	put	>100 MΩ	5	50000Ω			

## Dielectric Strength Test (30)

#### Method:

The test is made while the EUT is still in well-heated condition

Make sure the power switch of the EUT is in ON position.

Thin material can be tested in room temperature.

The test voltage is a.c. of 50 or 60 Hz or d.c. voltage equal to peak value of the a.c. voltage.

Test voltage is applied gradually raised from zero to the specified voltage and held at that value for 60s.

Insulation breakdown is: Current flows through the insulation rapidly increases in an uncontrolled manner; that is the insulation does not restrict the flow of the current.

Corona discharge or a single momentary flashover is not regarded as insulation breakdown.

A test incorporating reinforced insulation and lower grades insulation (BI, SI), care is taken not to overstress BI or SI.

Where capacitors (X or Y capacitors) are across the insulation, d.c. voltage is recommended for the test. Discharge resistors shall be disconnected before testing.

#### Result:

<u> </u>				
30	Electric strength test			Pass
Test voltage applied between:		Test voltage (V) Breakdo		down
Input and enclosure		AC1480 60Hz	N	0
Input and o	putput	AC1480 60Hz	N	0

**Humidity Conditioning (31)** 

	y Jonathonning (01)					
31	Humidity Conditioning Test					
Test voltage	: 48h, 90%R.H., 32°	С				
Measured po	pint:	Test V (V)	Measured	Limit		
Input and En	closure	DC500V	>100MΩ	30000Ω		
Neutral and	output accessible terminal	DC500V	>100MΩ	30000Ω		
Line and acc	essible enclosure surface	DC500V	>100MΩ	30000Ω		
Neutral and	accessible enclosure surface	DC500V	>100ΜΩ 30000			
Oscilloscope, Measuring circuit for touch current according to Annex D, Leakage Current Tester						
31	Dielectric Voltage-Withstand Test			Pass		
Measured po	pint:	Test V (V)	Breakdown	Limit		
Line and out	put accessible terminal	AC 1480V	No	100mA		
Neutral and output accessible terminal		AC 1480V	No	100mA		
Line and accessible enclosure surface		AC 1480V	No	100mA		
Neutral and accessible enclosure surface		AC 1480V	No	100mA		
Oscilloscope, Measuring circuit for touch current according to Annex D, Leakage Current Tester						

Abnormal Operation Test (32)

	Alama Longita and Fall On little Table		Pass				
32	32 Abnormal Operations and Fault Conditions Test						
Requireme	nt	Result	Remarks				
During the	During the test:						
Fire propag	gates beyond the EUT?	<del>Yes /</del> No	-				
Molten met	al emitted?	<del>Yes /</del> No					
Enclosures	deform to cause non-compliance with the standard?	<del>Yes /</del> No	ŀ				
After the to	After the test:						
Electric stre	ength test on reinforced insulation breakdown?	<del>Yes /</del> No	ŀ				
Electric stre	Electric strength test on Basic insulation breakdown?  Yes / No						
SC: Short-circuited; OC: Open-circuited; OL: Over-load; BK: Block; RP: Reverse-polarity;  LK: Lock; DC: Disconnect; OVC: Overcharging under Max. available charging voltage or 106% rated voltage; ED: Excessive discharging							
Voltage regulator, power meter, Data Acquisition/Switch Unit , Oscilloscope, Oscilloscope Probe, Digital Micro-ohmmeter, Withstanding Voltage Tester, DC Electrical load;							

32 Abnormal (		Pass		
Ambient tempe	erature (°C)		25.0°C	
Comp./ fault		Result / Obs	servation	
U1 Pin 1-8	Test voltage: _DC54.6V_ Duration: _10min_ SC No: I/P current (A): _1.3_ I/P power (W):	<ul> <li>□ Become steady, output power</li> <li>/ current</li> <li>□ Shut down immediately, and damaged, can't be</li> <li>recovered, repeated times.</li> <li>□ Protected, can be recovered.</li> </ul>	☐ Fuse ☐ T.F op	
U1 Pin 2-6	Test voltage: _DC54.6V_ Duration: _10min_ SC No: I/P current (A): _1.12_ I/P power (W):	<ul> <li>□ Become steady, output power</li> <li>/ current</li> <li>□ Shut down immediately, and damaged, can't be</li> <li>recovered, repeated times.</li> <li>□ Protected, can be recovered.</li> </ul>	☐ Fuse ☐ T.F op	
U2 Pin 3-2	Test voltage: _DC54.6V_ Duration: _10min_ SC No: I/P current (A): _0.25_ I/P power (W): _0_	<ul> <li>□ Become steady, output power</li> <li>/ current</li> <li>☑ Shut down immediately, andNo damaged, can't be</li> <li>recovered, repeated times.</li> <li>□ Protected, can be recovered.</li> </ul>	☐ Fuse ☐ T.F op	
U2 pin 3-4	Test voltage: _DC54.6V_ Duration: _10min_ SC No: I/P current (A): _0.15_ I/P power (W): _0_	<ul> <li>□ Become steady, output power</li> <li>/ current</li> <li>☑ Shut down immediately, andNo damaged, can't be recovered, repeated times.</li> <li>□ Protected, can be recovered.</li> </ul>	☐ Fuse ☐ T.F op	
Battery	Test voltage: _DC54.6V_ Duration: _10min_ SC No: I/P current (A): _0_ I/P power (W): _0_	<ul> <li>□ Become steady, output power</li> <li>/ current</li> <li>☑ Shut down immediately, andNo damaged, can't be recovered, repeated times.</li> <li>□ Protected, can be recovered.</li> </ul>	☐ Fuse ☐ T.F op	opened immediately opened after oened after aw data zards
Electric Bike output	Test voltage: AC120V_ Duration: _10min_ SC No: I/P current (A): I/P power (W): _0.08_	<ul> <li>□ Become steady, output power</li> <li>/ current</li> <li>☑ Shut down immediately, andNo_ damaged, can't be recovered, repeated times.</li> <li>□ Protected, can be recovered.</li> </ul>	☐ Fuse ☐ T.F op	

Locked Motor	Test voltage: _54.6V_ Duration: _2h_ Fuse or Fuse resistor No: I/P current (A): _Max. 5.5A_ I/P power (W): _0_	<ul> <li>□ Become steady, output power</li> <li>/ current</li> <li>□ Shut down immediately, and damaged, can't be</li> <li>recovered, repeated times.</li> <li>☑ Protected, can be recovered.</li> </ul>	<ul> <li>☐ Fuse opened immediately</li> <li>☐ Fuse opened after</li> <li>☐ T.F opened after</li> <li>☐ see raw data</li> <li>☐ No hazards</li> <li>Winding of motor:88.0°C</li> <li>Remark:</li> </ul>
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Impact Test (33)

Test part Temperature (°C) Duration (h) Result  Enclosure 70 1h Pass electrical strength  Notes:  Oven temperature shall be 10 K higher than the maximum temperature on the enclosure but not less than 70°C.  supplementary information: - NF: No Fire - NE: No Explosion - NL: No Leakage	mpaci	ICSL	<i>33)</i>			
Enclosure 70 1h Pass electrical strength  Notes:  Oven temperature shall be 10 K higher than the maximum temperature on the enclosure but not less than 70°C.  supplementary information:  - NF: No Fire  - NE: No Explosion  - NL: No Leakage	33	TABL	E: Strain relief test			Pass
Notes: Oven temperature shall be 10 K higher than the maximum temperature on the enclosure but not less than 70°C.  supplementary information: - NF: No Fire - NE: No Explosion - NL: No Leakage	Test part Temperature (°C)		Duration (h)	Result		
Oven temperature shall be 10 K higher than the maximum temperature on the enclosure but not less than 70°C.  supplementary information: - NF: No Fire - NE: No Explosion - NL: No Leakage	Enclos	sure	70	1h	Pass electrical strength	
than 70°C.  supplementary information: - NF: No Fire - NE: No Explosion - NL: No Leakage		perature	shall be 10 K higher	than the maxi	mum temperature on the enclosure but not	less
- NF: No Fire - NE: No Explosion - NL: No Leakage			enan se re rengne.	and and max		
- Fire: the emission of flames from a cell or battery Explosion: failure that occurs when a cell container or battery case opens violently and major components	- NF: No F - NE: No E - NL: No L - Fire: the	ire Explosion eakage emissio	n n of flames from a c	•		

- Explosion: failure that occurs when a cell container or battery case opens violently and major components are forcibly expelled.
- Leakage: visible escape of liquid electrolyte.- Others (please explain)

33		TABLE: Impact test V	ertically		Pass
Model		weighing	Test temperature (°C)	Impact energy (J)	Results
Enclosure		0.535kg, D:50.8mm	25	6.8J	Р
Enclosure		0.535kg, D:50.8mm	25	6.8J	Р
Enclosure	nclosure 0.535kg, D:50.8mm		25	6.8J	Р
No damage.					
33	TABLE	E: Impact test Horizont	ally		Pass
Model		weighing	Test temperature (°C)	Impact energy (J)	Results
Enclosure		0.535kg, D:50.8mm	25	6.8J	Р
Enclosure		0.535kg, D:50.8mm	25	6.8J	Р
Enclosure 0.535kg, D:50.8mm		25	6.8J	Р	
No damage.					

### Mold Stress (34)

34	TABL	ABLE: Strain relief test			
Test part Temperature (℃)		Duration (h)	Result		
Enclosure 70		1h	Pass electrical strength		

#### Notes:

Oven temperature shall be 10 K higher than the maximum temperature on the enclosure but not less than 70°C.

supplementary information:

- NF: No Fire
- NE: No Explosion
- NL: No Leakage
- Fire: the emission of flames from a cell or battery.
- Explosion: failure that occurs when a cell container or battery case opens violently and major components are forcibly expelled.
- Leakage: visible escape of liquid electrolyte.- Others (please explain)

34	TABLE: Insulation resistance measurements				
Measure	d point:	Test V (V)	Measured	Limit	
Input and	l Enclosure	DC500V	>100MΩ	30000Ω	
Neutral a	nd output accessible terminal	DC500V	>100MΩ	30000Ω	
Line and	accessible enclosure surface	DC500V	>100MΩ	30000Ω	
Neutral a	and accessible enclosure surface	DC500V	>100MΩ	30000Ω	
Oscilloscope, Measuring circuit for touch current according to Annex D, Leakage Current Tester					
34	Dielectric Voltage-Withstand Test			Pass	
Measure	d point:	Test V (V)	Breakdown	Limit	
Line and	output accessible terminal	AC 1480V	No	100mA	
Neutral and output accessible terminal		AC 1480V	No	100mA	
Line and accessible enclosure surface		AC 1480V	No	100mA	
Neutral a	nd accessible enclosure surface	AC 1480V	No	100mA	
Oscilloscope, Measuring circuit for touch current according to Annex D, Leakage Current Tester					

## Ingress Protection Tests (36)

#### Test procedure

For IPX4, the sample is positioned under oscillating spray tubes rotating at nearly±180° from the vertical for 10 minutes. The oscillation rate is two cycles of about360° in 12 seconds. Each surface of the enclosure within the spray arch is to be tested for 1 min/m2, with no less than 5 minutes of total test timeThe flow rate again depends upon the tube size, Withstand voltage test is pass, No harmful effects

IPX4	-For IPX4, the sample is positioned under oscillating spray tubes rotating at nearly±180° from the vertical for 10 minutes. The oscillation rate is two cycles of about360° in 12 seconds. Each surface of the enclosure within the spray arch is to be tested for 1 min/m2, with no less than 5 minutes of total test timeThe flow rate again depends upon the tube size, Withstand voltage test is pass, No harmful effects	No harmful effects	Pass
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#### supplementary information:

- NF: No Fire
- NE: No Explosion
- NL: No Leakage
- Fire: the emission of flames from a cell or battery.
- Explosion: failure that occurs when a cell container or battery case opens violently and major components are forcibly expelled.
- Leakage: visible escape of liquid electrolyte.- Others (please explain)

## Permanence of Marking (37)

37	MARKING DURABILITY	Durable and legible		
Type of marking	15 seconds of water	15 seconds of petroleum	Pass	Fail
Rating label			$\sqrt{}$	
Stop watch				

Vibration Test (38)

2 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
38	TABLE	ABLE: Vibration tests				
Model		OCV at start of test, (Vdc) for battery	Test frequency (Hz)	Vibration time (h)	Results	
Electric bicy	cle	Fully	10Hz~55Hz~10Hz	1h	Р	
Electric bicy	cle	Fully	10Hz~55Hz~10Hz	1h	Р	
Electric bicy	cle	Fully	10Hz~55Hz~10Hz	1h	Р	

### Supplementary information:

- NF: No Fire

NE: No ExplosionNL: No LeakageNR: No Rupture

- NS: No Electric shock hazard

- No loosening of parts

- Operate normally.

# Strain-Relief Test pull test (39)

Pull Location	Samples	Force	Observations	Pass	
				Pass	Fail
Connector wire	1#	35lbs (156N)	No damaged, no breakage, without displacement	√	
Connector wire	2#	35lbs (156N)	No damaged, no breakage, without displacement	√	
Connector wire	3#	35lbs (156N)	No damaged, no breakage, without displacement	√	

# push back test (39)

Pull Location	Samples	Force	Observations	Pass	
				Pass	Fail
Connector wire with switch	1#	6lbs (26.7N)	No damaged, no breakage	√	
Connector wire with switch	2#	6lbs (26.7N)	No damaged, no breakage	√	
Connector wire with switch	3#	6lbs (26.7N)	No damaged, no breakage	√	

## Photo 1 Overall view



Photo 2 Overall view



## Photo 3 Overall view



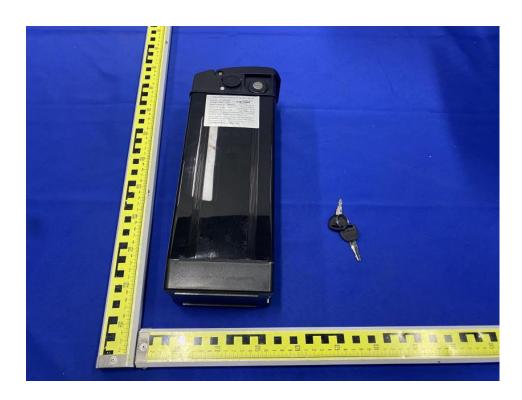
Photo 4 Overall view



## Photo 5 Adapter view



**Photo 6 Battery view** 



**End of Report**