

TEST REPORT

Report No.: HUAX240102024M

On Behalf of

Prepared For :	Shenzhen Yunmi Intelligent Technology Co., Ltd. Room 11401, Lanbao Industrial Zone, No. 74, Xisha Road, Shasan Community, Shajing Street, Baoan District, Shenzhen
Brand name :	YUME Huadana H
Product Name :	Electric Scooter
Model(s):	X11PRO, X11+, Y11+, Y11PRO, Y10, HAWK, HAWKPRO, SWIFT, RAPTOR, OSPREY, M11H, M13, PREDATOR, DK11
Prepared By:	Shenzhen Huaxiang Testing Co., Ltd 201, Building A10, Fuhai Information Port, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong, China
Test Date:	Dec. 28, 2023-Jan. 04, 2024
Date of Report:	Jan. 04, 2024
Report No. :	HUAX240102024M

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of Shenzhen Huaxiang Testing Co., Ltd.

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TEST REPORT

UL 2272

Standard for Electrical Systems for Personal E-Mobility Devices

Reference No...... HUAX240102024M

Date of issue...... Jan. 04, 2023

Testing laboratory

Name...... Shenzhen Huaxiang Testing Co., Ltd

Fuhai Street, Bao'an District, Shenzhen City, Guangdong, China

Report No.: HUAX240102024M

Testing location.....: Same as above

Client

Name...... Shenzhen Yunmi Intelligent Technology Co., Ltd.

Address...... Room 11401, Lanbao Industrial Zone, No. 74, Xisha Road,

Shasan Community, Shajing Street, Baoan District, Shenzhen

Test specification

Standard.....: UL 2272

Test procedure: ----

Non-standard test method.....: N/A

Test item

Description..... Electric Scooter

Brand name...... YUME

X11PRO, X11+, Y11+, Y11PY, M11HRO, Y10, HAWK,

Model and/or type reference.....: HAWKPRO, SWIFT, RAPTOR, OSPRE, M13, PREDATOR,

DK11

Manufacturer....: Shenzhen Yunmi Intelligent Technology Co., Ltd.

Shasan Community, Shajing Street, Baoan District, Shenzhen

Test Result: Please refer to next page(s) for details.

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Date (s) of performance of tests.....

Testing procedure and testing location Laboratory name..... Shenzhen Huaxiang Testing Co., Ltd : Room 201, Building A, No. 56, Nanlian Road, Nanlian Testing location/address Community, Longgang Street, Longgang District, Shenzhen : TL 🖂 RMT SMT WMT TMP **Testing Iprocedure** Tested By : Kevin su (Test Engineer) Reviewed By : Amy jiang (Supervisor) **POSSIBLE TEST CASE VERDICTS:** - test case does not apply to the test object.....: N(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.....: Dec. 28, 2023

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Dec. 28, 2023-Jan. 04, 2024



Standard: ANSI/CAN/	/UL 2272-2016	ill.3	of Testing
Report No.:	HUAX240102024M	Client:	Shenzhen Yunmi Intelligent Technology Co., Ltd.
Product:	Electric Scooter	Rating	60V 6000W
Protection class	- Hue, Hue,	Battery	60v30ah
Application Date	Dec. 28, 2023	Construction:	With battery
Requested Date	Jan. 04, 2024	Operation mode	Continous
Re-test	wieng Tes	Niang Tes	n Tes wiang Tes wiang Tes
Full-test	(a)	ug Testing	Tesing Tesing Tesing
Model/ type reference:	X11PRO	Hilaxian Hilaxia	Hinaxian a Hinaxian An
Should the heating test be done in heating oven?	☐ Yes C 🗵 No	Huaxiang Teesing Huaxiang Teesing	no Tesus Huaxiano Tesus Huaxiano Tesus Huixiano Huixiano Tesus Huixiano Huixiano Tesus Huixiano Tesus Huixiano Huixia
Altitude during operation (m)	□ Up to 2000 ⋈ No	Hilaxiang Tear	ng Tes. Huaxiang Tess Huaxiang Tess Hu
Altitude of test laboratory (m)	⋈ below 2000□ No	Hnaxiaud Leanua Iuna	ng Tesinis Huaxiang Tesinis Huaxiang Tesinis
Other information:	Outdoor used, Battery 6 protection, over current		r charge protection, Over discharg perature protection.

Lab Use Only				
Lab Start Date		Dec. 28, 2023	Lab Finish Date	Jan. 04, 2024
Ambient Temper	ature, ° C	25.2	Relative Humidity, %	49.4

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30	35 _{stin} 9	Motor Overload Test	See the table	Pass
31	36	Motor Locked Rotor	See the table	Pass
32	37	Strain Relief Tests	See the table	Pass
33	38	Water Exposure Tests	See the table	Pass
34	39	Thermal Cycling Test	See the table	Pass
35	40	Label Permanence Test	See the table	Pass
36	41	MARKINGS	See the table	Pass
37	42	INSTRUCTIONS	See the table	Pass

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Protection of Users – Accessibility of Terminals (9)

9	Accessibility prob	e			Pass
Location	Dimension of opening	Tester	Observations	Pass	Fail
Opening	No opening	Articulate probe	Can't touch Live parts and dangerous moving parts	o Zegluo Viana	kiens Testing

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Spacings (13)

Pacings (±0)	Mar.	- Mar.		18r. 11/8	100	mar.	32.
13	Electrical Spa	cings					Pass
Clearance (cl) and c distance (cr) at/of/b		U peak (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	Required cr (mm)	cr (mm)
opposite polarity of	battery	esting_	68	1.6	>3.0	1.6	>3.0
Input to Enclosure	Huaxian	Hnaxi	41	sxign Hns	F	naxiana Hi	axion H
Primary component		restin g.	ing Testing	enso Tesino	iang Testing	sin9	iang Testing
Primary trace to sec trace under transfo (RI)	-	-Huar	HI	Hue	h	os Hi	eng Testing
Primary winding to winding of transfor		-Hugg	Hi	Hus	h	ush <mark></mark> Hi	H
Supplementary info	rmation						
Note(s):	resting	resting	Testing	resting	resting	Testing	resting
-0.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		-0.	-0	-0.	-0	-0,

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Overcharge Test (23)

23 TAB	LE: Overcharge Test	sting sti	ng sting sti	Р
Model	OCV at start of test, (Vdc)	Constant charging current (A)	Maximum outer casing temperature(°C)	Results
battery	60	6.0	39.7	P and Test
High	Hings H	Ana, re	History History	High H
_Testing	Testing	Testing Testing	no Testing Testin	is Testing

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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)

Short Circuit Test (24)

24	TABL	E: Short-Circuit Test				P P
Model		Ambient, (°C)	OCV at start of test, (Vdc)	Resistance of circuit, (mW)	Maximum case temperature rise ΔT, (Results
battery		24.9	66.99	<20mW	6.9 6.9	P
uaxiang	neixeu	3	maxiang	iskang ' (ensigne		waxiang
		7.	, , , , , ,	7,	7.	

Supplementary information:

supplementary information:

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- NL: No Leakage

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- Fire: the emission of flames from a cell or battery.
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Over discharge Test (25)

25 T.	ABLE: Over discharge Test	nisa enim	in the same of the	P
Model	OCV at start of test, (Vdc)	Constant discharging current (A)	Maximum outer casing temperature(°C)	Results
battery	67.5	60	48.2	P and Test
Marin	Hush H	Answer House	40srs Hospe	Husy H
Testing	Testing Testing	Testing Testin	9 Testing Testin	ing Testing

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supplementary information:

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Temperature Test (26)

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:

26	TABLE: Thermal requirer	ments,								Pass	
7.53	Supply voltage (V)	Hass	:	DC	67.2V	Hrisa-	-7 /1/18		Hnax	_	
Testing	Ambient Tmin (°C)	ilug.	restin	2	4.5	 105	Ing	-{ esti	()	_	
18XISUS	Ambient Tmax (°C):				4.9	HIIB <u>XI</u> BIN	Fins	1000	H118X18	_	
. ang Testing	Max. load				arge ttery) 	₃₁₀ 0	-ng Testi	(O)		
	Model				<u></u>	Hngxic	FINS		HATBY		
Maximum m	neasured temperature T of	part/at::			,	T (°0	C)			Allowed Tmax (°C)	
Enclosure of	Adaptor	in ⁹	restin	4	5.3) <u></u>	100	- esti	(O	70	
PCB near IC	Maxiang " Maxiang "	. waxian9		4	0.4	. Wariang		risua .	1187 <u>11</u>	105	
Internal wire	al wire		nal wire		37.8		~9 	o		40 	55
Capacitor	ing Testing Testing	isno.	162	5	5.6			1810 - Test	00	80	
Connector	Hinasur Hinasur	Hussy		4	7.1	Hrism.	<u>- 710s</u>		Hay	70	
Battery	Testing Test	iug	restin	2	1.2	₁ 10 ⁵	<u></u>	, (esti	(i)	60	
Enclosure of	battery	Huaxians		2	7.1	Hns xi sus	4/1/8	risus	Hazzir	70	
cating	esting est	in ⁰	stin	3	- stine)	ing	, sti	(9	ostino	
Supplement	ary information:	Prisiv	100		iang T	visno 1		vising 1	3/12	ing T	
Temperatur	e T of winding:	t1 (°C)	R1	(Ω)	t2 (°C)	R2 (Ω)	T (°C	'	lowed _{ax} (°C)	Insulatio n class	
iang '	inaxiang ' inaxiang '	iang			⁽³ U ₀ ,	maxis o o ,		xiang ,		vo , '	
- 0	No. No.	40		, Pro			- 0		410		

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)

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Temperature Test (26)

Result:

26	TABLE: Thermal requir	ements,							Pass
axiang Testing	Supply voltage (V)	esting esting	estins	wer by full attery	g -	1100 <u>-</u>	 iang Testi	(S)	_
36.	Ambient Tmin (°C)	Hos	.: Hos	24.6	400.	-7-100c		Hos	
ng Testimia	Ambient Tmax (°C)		estiris	24.9	19 109	<u></u>	na r esti		_
Jaxia	Max. load	Huaxian	Ma	x. load	Hna xi an	- L ins		Hinaxie	
resting	Model	esting T	esting	_{105tin}	0 <u></u>	₁₀ 0	 105ti	(O)	
Maximum m	neasured temperature T	of part/at::			T (°C	c)		,	Allowed Tmax (°C)
Enclosure of	f Adaptor	Huaxian9	71/2	history	rins _{ki} ang	108	1810 <u>0</u>	A <u>n</u> axis	70
PCB near IC	Onis	en e	enin.	42.3	o	₁₀ 9		(g) 	105
Internal wire	e viano Tes viano T	sa. sang T	89	38.2	- 12ng Tes		1810 - Les	4/8	55
Capacitor	Hose Hose	Huss	HUS	54.5	Hus.	-H100		Hos	80
Connector	on Testing	esting	estine	- Testil	185°	100	na restil		70
Battery	Huaxian Huaxian	Huaxiana	HUS	25.6	Hua <u>xi</u> ano	- 4/1/9 ₁		H+19Xis	60
Enclosure of	f battery	esting	estin ⁹	33.1	.9 <u></u>	^{1U} 0	esti	<u> </u>	70
Winding of I	Motor	"laxiang"		57.2	waxiang '	,,,,,,,,	iang ,	Maxis	70
Enclosure of	f Motor	::uq	0	52.3	44.	20		40	90
Supplement	ary information:	e5111	62/11	-07esti	705		~0.785th		765/11.3
Temperatur	e T of winding:	t1 (°C)	R1 (Ω)	t2 (°C)) R2 (Ω)	T (°C	' I	lowed _{ax} (°C)	Insulation n class
,185	165"	850	6 ₂	1850			(850		762 <u>.</u>

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)

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Imbalanced Charging Test (27)

24	TABLE:	Imbalance	d Charging 1	Test				P
Mode		OCV a	t start of te	st, (Vdc)	OCV at cha	rge end by ac	daptor, (Vdc)	Results
Batter	/	resting	65.5	Testing	Testing	64	Testine	Postin
uaxiang .	Huaxiang	Huaxi	HI ang	Jaxian ⁹	inaxiaua,	Anaxiang	Huaxiang	Husxising
e _{niin} o		e _{niin} o	eniin ^o	enii,	enits	e _{nite}	2011	niis.
	onsir			viang Tes			1/8/10 Les	

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Remark:54V<54.6V

Supplementary information:

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- 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)

Dielectric Voltage-Withstand Test (28)

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:

28	Electric strength test		Pass
Test voltage	e applied between:	Test voltage (V)	Breakdown
input and e	enclosure	AP9480 60Hz	No No
Input and o	output	AJ1480 60Hz	No

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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.

29	TABLE: Insulation resistance measurements	ensixerus (Pasixerus	Pass
Insulation	resistance R between:	R (MΩ)	Required R (Ω)
DC input a	and enclosure	>100 MΩ	50000Ω
L/N and e	nclosure	>100 MΩ	50000Ω
L/N and o	utput tesinis tesinis	>100 MΩ	50000Ω
UBXIBITE	History History History History	Huaxian Huaxians	Huaxian H
- esti	enije enije enije en	sting	ng sting

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Vibration test (30)

30	TABLE	: Vibration tests	axiang Tesm	Xisua Lesu. Xisua Lesu.	P
Model		OCV at start of test, (Vdc)	Test frequency (Hz)	Vibration time (h)	Results
Battery	Huaxia	67.1	7Hz~200Hz~7Hz	15 min	P. Maxies His
Battery	Ŋ	66.8	7Hz~200Hz~7Hz	15 min resting	P Testing
Battery	Huaxiane	67.3	7Hz~200Hz~7Hz	15 min	P _{juaxian's}

Supplementary information:

- NF: No Fire

- NE: No Explosion

- NL: No Leakage

- NR: No Rupture

- NS: No Electric shock hazard

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Shock Test (31)

31 TABL	E: Mechanical tests (batte	ries)	ens ens l	P
Model	OCV at start of test, (Vdc)	Acceleration (gn)	Number of shocks per half axis	Results
Electric Scooter	67.1	50gn	3	Р
Electric Scooter	66.8	50gn	sin3 sin	Peting
Electric Scooter	67.3	50gn	3 3	P
31 TABL	E: Charging Test by adapto	or Hua	Hran Hran	P H

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Model	OCV at start of test,	(Vdc)	OCV at cl	narge end by ad	aptor, (Vdc)	Res	sults
Battery	28.3	20.		47.5		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	P
ang Testille	esting Testing	· and Tesh	.ang Testin	. and Teshins	. and Tesm	. 202	Testille
Ingye Hingye	Hraxis Hr.	970	Huaxie	Huaxie	Huaxie	Huaxie	HUE
Testing	esting Testing	resting	Testing	resting	Testing		resting

Remark:DC 67.2V<48V

Supplementary information:

- NF: No Fire
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- 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)

Crush Test (32)

32 TABLE: force test	Pass			
Test condition	Result			
14700 N force applied DUT	NF, NE, NL, NR, NS.			
iang testing testing testing testing testing	Damaged the DUT.			

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- NR: No Rupture
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Drop Test (33)

33 Testing	TABLE: D	prop test			Pass
Model		OCV at start of test, (Vdc)	Cycles	Height (m)	Results
Electric Scoo	ter	:3119 Testin	Three times	ing Testin	P
Electric Scoo	ter	Husy Hus	Three times	1m ^{AUZAN}	Hillan B Hi
Electric Scoo	ter	sting Testing	Three times	Test 1m	Pesting
After 0 °C 3h	Hisxisue.	Hnaxiania Hnax	Huaxiana	Huaxiana Huaxiana	Huaxiana Hi
Electric Scoo	ter	sting Testing	Three times	1m	Pesting
Electric Scoo	ter	ms _i su _o ,	Three times	1m Janes 1m	P
Electric Scoo	ter	- 00:	Three times	1m	Р

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supplementary information:

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- NE: No Explosion
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- Fire: the emission of flames from a cell or battery.
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Mold Stress Relief Test (34)

34	TABLE	: Strain r	elief t	est	-no Testing	. ng Testing	Pass
Test part Temper		eratur	e (℃)	Duration (h)	Result		
Enclosur	e	resting	70	resting	1h sting	Pass electrical strength	esting Testing

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Notes:

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

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- Leakage: visible escape of liquid electrolyte.- Others (please explain)

Result:

34	Electric	strength tes	st					Pass
Test volt	age applied	between:	nd Testinia	nd Testines	nd Testines	Test voltage (V)	Break	down
input an	d enclosure	Husxis	HAS	Hay	Hay	AJ1480 60Hz	HUAXIA	0
Input an	d output	esting	esting	- esting	- esting	AJ1480 60Hz	_{estin} g N	o sting

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.

34	TABLE: Insulation resistance measurements	Jugxiang 1.	Pass
Insulatio	n resistance R between:	R (MΩ)	Required R (Ω)
DC input	and enclosure	>100 MΩ	50000Ω
L/N and	enclosure	>100 MΩ	50000Ω
L/N and	output	>100 MΩ	50000Ω

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

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Motor Overload Test (35)

35	Abnormal Operations and Fault Conditions	Test	Pass
Requirement		Result	Remarks
During the test:	enis enis enis	ating ating	, sing
Fire propagates	beyond the EUT?	Yes / No	waxiang
Molten metal en	nitted?	Yes / No	o
Enclosures defor	m to cause non-compliance with the standard?	Yes / No	viang Tesm
After the test:	Hos. Hos. Hos.	Hings.	Haga
Electric strength	test on reinforced insulation breakdown?	Yes / No	ang Testine
Electric strength	test on Basic insulation breakdown?	Yes / No	HIBXIC
.~0	00.	000:	0

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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;

-v0		35 Abnormal Operations and Fault Conditions Test						
ature (°C)	waxi ^{ano}	axian9 Huaxian9	25.1°C	Huaxiang Hi				
		Result / Ob	servation					
Test voltage: _DC 67.2V_ Duration: _7H28mins_ Fuse or Fuse resistor No: I/P current (A): _3.81A_ I/P power (W): 0	/ current Shut down dam recovered, rep	n immediately, and naged, can't be neated times.	Fuse of T.F op see rat No haz	opened immediately opened after ened after w data zards f motor: 76.4°C				
i i i	Test voltage: _DC 67.2V_ Duration: _7H28mins_ Fuse or Fuse resistor No: I/P current (A):	Test voltage: _DC 67.2V_ Duration: _7H28mins_ Fuse or Fuse resistor No: dam recovered, rep I/P current (A):3.81A_	Result / Ob Test voltage: _DC 67.2V_ Duration: _7H28mins_ Fuse or Fuse resistor No: I/P current (A):3.81A_ Result / Ob Become steady, output power / current Shut down immediately, anddamaged, can't be recovered, repeatedtimes. Protected, can be recovered.	Result / Observation Test voltage: _DC 67.2V_ Duration: _7H28mins_ Fuse or Fuse resistor No: I/P current (A):3.81A_ Result / Observation Fuse or Fu				

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)

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Motor Locked Rotor (36)

36	Abnorm	nal Operations and Fa	ult Conditions Tes	t waxiang	Pass
Requirement				Result	Remarks
During the test	ing Tes.	axiang Tes.	Tes axiang Tes	axiang Tes.	exiang Tes
Fire propagates	Yes / No				
Molten metal e	Yes / No	iang Testin			
Enclosures defo	orm to cause non-complianc	ce with the standard	Huax	Yes / No	4/18x.
After the test:	na Testing	ng Testing	Testing	ing na Testing	, no Testin
Electric strengt	h test on reinforced insulati	on breakdown?	Huaxia	Yes / No	Hiskier
Electric strengt	h test on Basic insulation br	eakdown?	Testing	Yes / No	Testin
	hstanding Voltage Tester, Department of the perations and Fault Conditions		<u> </u>	(CSth.)	
Ambient tempe	rature (°C)	`			Pass
			onites of	25.1°C	Pass
Comp./ fault		:	Result / Ob		Pass
	Test voltage: _DC 67.2V_ Duration: _1h_ Fuse or Fuse resistor No: I/P current (A): _Max. 3.79A_ I/P power (W): _0_	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	nediately, and can't be	servation	d immediately d after after a

supplementary information:

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 Explosion: failure that occurs when a cell container or battery case opens violently and major components are forcibly expelled.

Remark: --

- Leakage: visible escape of liquid electrolyte.- Others (please explain)

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Strain Relief Test (37)

Pull Location	Test	Force	Observations	Pass resting		
				Pass	Fail	
_{naxian} g Testing Huaxian	Testing Huskiang Testi	156N	No damaged, no breakage, without displacement	skiang Testing Hu	_{Xiang} Tesiing H	
_{nekian} g Tesling 	Testing Huexiang Testi	156N	No damaged, no breakage, without displacement	_{Exiang Testing} Hu	_{xian} g Testing H	
_{lexion} g Testing Huaxiam	Testing Huaklang Testi	156N	No damaged, no breakage, without displacement	exiang Testing Hu	_{Xiang} Testing H	
Output cable	Testing Huaxiang Testi	26.7N	No damaged, no breakage, without displacement	akang Tasima √	xiang Testing	
Output cable	Testing Hitspiang Testi	26.7N	No damaged, no breakage, without displacement	√ V	_{Xiang} Testing	
Output cable	Teshina Tesh Haziyiana Tesh	26.7N	No damaged, no breakage, without displacement	√	xiang Testing	

Water Exposure Tests (38.1)

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

Huaxian Huax	-For IPX4, the sample is positioned under	raxians Huaxians Huaxi	4113
On:	oscillating spray tubes rotating at nearly±180°	On: 0n:	One
og Testing	from the vertical for 10 minutes. The oscillation	on Testing	a Testino
Juaxiana	rate is two cycles of about360° in 12 seconds. Each	Juaxian's Luaxian's	7119
IPX4	surface of the enclosure within the spray arch is to	No harmful effects	Pass
Testins	be tested for 1 min/m2, with no less than 5	Testing	Testins
axiang	minutes of total test timeThe flow rate again	axian ⁹ axian ⁹ axi	3109
Line Hoe	depends upon the tube size, Withstand voltage	Alon Hon	Hos
Testin9	test is pass, No harmful effects	sting sting	Testin9

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- Leakage: visible escape of liquid electrolyte.- Others (please explain)

Partial immersion (38.2)

Test procedure

The samples were placed in the test tank, the samples was submerged underwater.

The DUT is subjected to immersion in water at a height of about ½ of the vertical height of the scooter.

The duration of the test is 5mins

The water temperature does not differ from that of the equipment by more than 5K. Evaluation of test results No liquid entering, Withstand voltage test is pass, No harmful effects

Test results

Sample No. Test time		Observations	Verdict	
2#	5mins	No water entered into the enclosure	Pass	

supplementary information:

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- 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)

Thermal Cycling Test (39)

39	0	TAB	LE: Heating Test	igno je	ensity of the second	1809 S	P
Sample			OCV at start of	Temperature raise	Test	Duration (min)	Results
			test, (Vdc) rated(°C/min)	temperature			
					(°C)		
Jaxia	1#	Maxion	Full battery	5℃/min ± 2 ℃/min	60 to -20	6min	P HUE
	1#		Full battery	5 ℃/min ± 2 ℃/min	60 to -20	6min	P
	1#		Full battery	5 °C/min ± 2 °C/min	60 to -20	6min	√e ^S P
Jaxia	1#	Naxiai	Full battery	5 ℃/min ± 2 ℃/min	60 to -20	6min	P 1/1/8
	1#		Full battery	5℃/min ± 2°C/min	60 to -20	6min	P

Supplementary information:

supplementary information:

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Label Permanence Test (40)

40	TABLE: Mark	ing test	Hulas	Hillan	1000	Pass
Location		Checked by	Time		Result	
Label	Huaxia	water	15s	Huaxia.	Pass	Huaxla
Label	ng Testing	petroleum	15s	esting resting	Pass	J resting
lnaxiana,	Hnaxiana,	Huaxiang Huaxian	Huaxiana ,	Huaxiana,	inaxiaua ,	Hnaxiaua,

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Component Name	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
Plastic Enclosure	CHI MEI CORPORATION	PC-122(+)	Min thickness 1.7mm, V-2, HWI=2, HAI=0, 105°C, screw for fixing	UL746 UL94	UR
PCB Alt.	Interchangeabl e	Interchangeable	V-1 or better,130°C, ,min 0.8mm,	UL769 UL94	UR
IC (IC1,IC2)	XySemi Inc	XB7608A	Overcharge Detection Voltage: 4.3±0.05 V, Over-discharge Detection Voltage: 2.4 ±0.1 V,	ans •n9 Hus	UR
Controller	Interchangeabl e	Interchangeable	DC60V	o Testing	UR
Battery	Interchangeabl e	TR-WB72V50 AH	50Ah/3600Wh	UL2271	UR H
Adapter	DONGUAN ANGDI TECHNOLOGY CO.,LTD	BC267546020	Input:100-240VAC,50/60Hz ,3Amax. Output:DC84.2V,2A	UL1310	ULE507245

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Photo-documentation:

Photo 1

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Photo 2









Photo 4







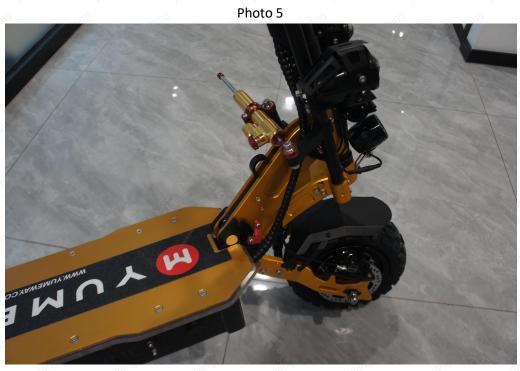


Photo 6









Photo 8



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