

Name: Wuxi Institute of Inspection, Testing and Certification(Wuxi Institute of Metrology and Testing/Wuxi Center of Fiber Inspection)

Address: No.101, Xinjin Road, Xinwu District, Wuxi, Jiangsu, China

Registration No. CNAS L0260

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2023-06-19 Expiry Date: 2028-09-16

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
1、Electrical						
1	Battery system of civil multi-rotor unmanned aircraft system	1	Overcharge	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019 6.5.5		2022-11-15
		2	Over-release	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019 6.5.6		2022-11-15
		3	short-circuit	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019 6.5.7		2022-11-15
		4	low pressure	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019 6.5.8		2022-11-15
		5	drop	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019 6.5.9		2022-11-15
		6	squeeze	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019 6.5.11		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		7	Excessive heat	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019 6.5.12		2022-11-15
		8	soak	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019 6.5.13		2022-11-15
2	Lithium ion battery	1	lash	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.8		2022-11-15
		2	vibrate	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.9		2022-11-15
		3	drop	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.10		2022-11-15
		4	immersion	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.12		2022-11-15
		5	short-circuit	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.14.1		2022-11-15
		6	Overcharge	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.14.2		2022-11-15
		7	squeeze	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.14.3		2022-11-15
		8	acupuncture	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.14.4		2022-11-15
		9	short-circuit	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.15.1		2022-11-15
		10	Overcharge	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.15.2		2022-11-15
		11	Over-release	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.15.3		2022-11-15
		12	Vibration resistance	《General specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018 6.3.7		2022-11-15



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		13	Overdischarge recovery characteristics	《General specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018 6.3.12		2022-11-15
		14	Overcharge	《General specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018 6.3.13.1		2022-11-15
		15	short-circuit	《General specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018 6.3.13.2		2022-11-15
		16	drop test	《General specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018 6.3.13.3		2022-11-15
		17	heat test	《General specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018 6.3.13.4		2022-11-15
		18	extrusion test	《General specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018 6.3.13.5		2022-11-15
		19	acupuncture test	《General specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018 6.3.13.6		2022-11-15
		20	Sealing property during lifting	《General specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018 6.3.14		2022-11-15
3	fuel cell	1	Part of parameters	《Micro fuel cell power systems—Part1:Safety》 GB/T23751.1-2009	Accredited only for High temperature exposure test and Surface,element and exhaust gas temperature test	2022-11-15



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		2	High temoerature exposure test	《Micro fuel cell power systems—Part1:Safety》 GB/T23751.1-2009 7.3.4		2022-11-15
		3	Surface,element and exhaust gas temperature test	《Micro fuel cell power systems—Part1:Safety》 GB/T23751.1-2009 7.3.8		2022-11-15
4	fuel cell	1	Part of parameters	《Micro fuel cell power systems—Part2:Performance test methods》 GB/T23751.2-2017	except for fall and fuel consumption	2022-11-15
		2	Start time	《Micro fuel cell power systems—Part2:Performance test methods》 GB/T23751.2-2017 5.2.1		2022-11-15
		3	Rated power test and rated voltage test	《Micro fuel cell power systems—Part2:Performance test methods》 GB/T23751.2-2017 5.2.2		2022-11-15
		4	Power generation test after shutdown	《Micro fuel cell power systems—Part2:Performance test methods》 GB/T23751.2-2017 5.2.3		2022-11-15
		5	Power generation test under low and high temperature conditions	《Micro fuel cell power systems—Part2:Performance test methods》 GB/T23751.2-2017 5.2.4		2022-11-15
		6	Power generation test under low and high humidity conditions	《Micro fuel cell power systems—Part2:Performance test methods》 GB/T23751.2-2017 5.2.5		2022-11-15
		7	Altitude test	《Micro fuel cell power systems—Part2:Performance test methods》 GB/T23751.2-2017 5.2.6		2022-11-15
		8	Vibretron test	《Micro fuel cell power systems—Part2:Performance test methods》 GB/T23751.2-2017 5.4.2		2022-11-15



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5	portable digital	1	Overcharge protection	《Information technology—General specification for portable digital equipments used power bank》 GB/T 35590-2017 5.6.1		2022-11-15	
		2	Over discharge protection	《Information technology—General specification for portable digital equipments used power bank》 GB/T 35590-2017 5.6.2		2022-11-15	
		3	Short circuit protection	《Information technology—General specification for portable digital equipments used power bank》 GB/T 35590-2017 5.6.3		2022-11-15	
		4	overload protection	《Information technology—General specification for portable digital equipments used power bank》 GB/T 35590-2017 5.6.4		2022-11-15	
		5	Vibration	《Information technology—General specification for portable digital equipments used power bank》 GB/T 35590-2017 5.9.3			2022-11-15
				《Environmental testing—Part2:Testing method—Test Fc:Vibration(sinusoidal)》 GB/T 2423.10-2019 8			2022-11-15
		6	collision	《Information technology—General specification for portable digital equipments used power bank》 GB/T 35590-2017 5.9.4			2022-11-15
《Environmental testing for electric and electronic products Part2:Test methods Test Eb and guidance:BUmp》 GB/T 2423.6-1995 8				revoked and retained, which can only be used when referenced	2022-11-15		
7	Free fall	《Information technology—General specification for portable digital equipments used power bank》 GB/T 35590-2017 5.9.5			2022-11-15		
6	Valve-regulated lead-acid battery	1	short circuit	《Valve-regulated lead-acid batteries for moped》 T/ZJXDC 001-2021 7.14.4		2022-11-15	
7	Lithium Ion Batteries Of	1	overdischarge/cell	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016		2022-11-15	



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	Electrochemical Energy Storage Station			C.2.10.1		
		2	overcharge/cell	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016 C.2.10.2		2022-11-15
		3	short circuit/cell	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016 C.2.10.3		2022-11-15
		4	drop/cell	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016 C.2.10.4		2022-11-15
		5	crush/cell	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016 C.2.10.5		2022-11-15
		6	overdischarge/module	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016 C.3.8.1		2022-11-15
		7	overcharge/module	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016 C.3.8.2		2022-11-15
		8	short circuit/module	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016 C.3.8.3		2022-11-15
8	Lithium-ion Batteries For Electric Vehicles	1	overdischarge/cell	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.3		2022-11-15
				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.2.12.1	revoked and retained,wh	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	overcharge/cell	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.3	ich can only be used when referenced	2022-11-15
				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.2.12.2	revoked and retained,wh ich can only be used when referenced	2022-11-15
		3	short circuit/cell	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.3		2022-11-15
				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.2.12.3	revoked and retained,wh ich can only be used when referenced	2022-11-15
		4	drop/cell	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.3		2022-11-15
				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.2.12.4	revoked and retained,wh ich can only be used when	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					referenced	
		5	heat/cell	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.3 《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.2.12.5	revoked and retained, which can only be used when referenced	2022-11-15
		6	crush/cell	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.3		2022-11-15
				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.2.12.6	revoked and retained, which can only be used when referenced	2022-11-15
		7	Pathergytest/cell	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.3		2022-11-15
				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.2.12.7	revoked and retained, which can only be used when referenced	2022-11-15



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		№	Item/ Parameter			
		8	vibration/module	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.4		2022-11-15
				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.3.7	revoked and retained, which can only be used when referenced	2022-11-15
		9	overdischarge/module	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.4		2022-11-15
				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.3.8.1	revoked and retained, which can only be used when referenced	2022-11-15
		10	overcharge/module	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.4		2022-11-15
				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.3.8.2	revoked and retained, which can only be used when referenced	2022-11-15
		11	short circuit/module	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.4		2022-11-15



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				《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.3.8.3	revoked and retained, which can only be used when referenced	2022-11-15
		12	heat/module	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.4		2022-11-15
		12	heat/module	《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.3.8.4	revoked and retained, which can only be used when referenced	2022-11-15
		13	crush/module	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.4		2022-11-15
		13	crush/module	《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.3.8.5	revoked and retained, which can only be used when referenced	2022-11-15
		14	Pathergytest/module	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.4		2022-11-15
		14	Pathergytest/module	《Lithium-ion Batteries For Electric Vehicles》 QC/T 743-2006 6.3.8.6	revoked and retained, which	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					ich can only be used when referenced	
15	overcharge protection/system			《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.3		2022-11-15
16	overdischarge protection/system			《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.4		2022-11-15
17	short-circuit protection/system			《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.5		2022-11-15
18	overload protection/system			《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.6		2022-11-15
19	High temperature operation test/system			《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.7		2022-11-15
20	Low temperature operation test/system			《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.8		2022-11-15
21	temperature control system failure test/system			《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.9		2022-11-15
22	insulation resistance/system			《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.12		2022-11-15
				《Electrically Propelled Road Vehicles-Safety Specifications-Part 1:On board Rechargeable Energy Storage System(REESS)》 GB/T 18384.1-2015 5.1.3	revoked and retained,wh ich can only be used when	2022-11-15



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		№	Item/ Parameter			
					referenced	
		23	power frequency withstand voltage/system	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.13		2022-11-15
		24	shock/system	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.15		2022-11-15
		25	vibration/system	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.16		2022-11-15
		26	immersion/system	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016 6.5.17		2022-11-15
9	Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail(LER) Applications	1	Part of parameters	《Standard For Safety: Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018	thermal cycling test(LER motive application)、resistance to moisture test、salt fog test carry out at xinhua road ;except for continuity test, failure of cooling/thermal stability	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					system, Working Voltage Measurements, Locked-rotor test for low voltage dc fans/motors in secondary circuits, Input, Leakage current, Strain relief test, Push-back relief test, Impact Test, Wall Mount Fixture/Handle Test, Pressure Release Test, Start-To-Discharge Test, Single	

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					Cell Failure Design Tolerance	
		2	overcharge test	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 15		2022-11-15
		3	short circuit test	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 16		2022-11-15
		4	overdischarge protection test	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 17		2022-11-15
		5	temperature and operating limits check test	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 18		2022-11-15
		6	imbalanced charging test	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 19		2022-11-15
		7	dielectric voltage withstand test	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 20		2022-11-15
				《Information Technology Equipment-Safety-Part 1:General Requirements》 UL 60950-1-2007 5.2		2022-11-15
		8	vibration test(LER motive application)	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 25		2022-11-15
				《Railway applications-Rolling stock equipment-shock and vibration tests》 IEC 61373-2010 8		2022-11-15



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		9	shock test(LER motive application)	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 26		2022-11-15
				《Railway applications-Rolling stock equipment-shock and vibration tests》 IEC 61373-2010 10		2022-11-15
		10	crush test(LER motive application)	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 27		2022-11-15
		11	drop impact test	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 30		2022-11-15
		12	mold stress test	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 32		2022-11-15
		13	external fire exposure test	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 38		2022-11-15
10	Batteries for Use In Electric Vehicles	1	Part of parameters	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016	thermal cycling 、 salt spray test carry out at xinhua road;except for continuity test, rotation test,failure	2022-11-15



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					of cooling/the rmal stability system test	
		2	overcharge test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 25		2022-11-15
		3	short circuit test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 26		2022-11-15
		4	overdischarge protection test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 27		2022-11-15
		5	temperature test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 28		2022-11-15
		6	imbalanced charging test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 29		2022-11-15
		7	dielectric voltage withstand test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 30		2022-11-15
		8	Isolation resistance test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 31		2022-11-15
				《Electrically Propelled Road Vehicles — Safety Specifications — Part 1: Rechargeable Energy Storage System (RESS)》— ISO 6469-1-2009 6		2022-11-15
		9	vibration endurance test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 35		2022-11-15
				《Vibration Testing of Electric Vehicle Batteries》— SAE J2380-2018 4		2022-11-15
		10	shock test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 36		2022-11-15



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				《Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock》 IEC 60068-2-27-2008 8		2022-11-15
		11	drop test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 37		2022-11-15
		12	crush test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 38		2022-11-15
		13	immersion test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 41		2022-11-15
		14	external fire exposure test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 42		2022-11-15
		15	internal fire exposure test	《Standard For Safety: Batteries for Use In Electric Vehicles》 UL 2580-2016 43		2022-11-15
11	rechargeable energy storage system	1	Part of parameters	《Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train》 ECE R100-2013	Accredited only for rechargeable energy storage system	2022-11-15
		2	vibration test	《Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train》 ECE R100-2013 Annex 8A		2022-11-15
		3	thermal shock and cycling test	《Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train》 ECE R100-2013 Annex 8B		2022-11-15
		4	mechanical shock	《Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train》 ECE R100-2013 Annex 8C		2022-11-15
		5	mechanical integrity	《Uniform provisions concerning the approval of vehicles with		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				regard to specific requirements for the electric power train》 ECE R100-2013 Annex 8D		
		6	fire resistance	《Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train》 ECE R100-2013 Annex 8E		2022-11-15
		7	external short circuit protection	《Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train》 ECE R100-2013 Annex 8F		2022-11-15
		8	overcharge protection	《Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train》 ECE R100-2013 Annex 8G		2022-11-15
		9	over-discharge protection	《Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train》 ECE R100-2013 Annex 8H		2022-11-15
		10	over-temperature protection	《Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train》 ECE R100-2013 Annex 8I		2022-11-15
12	secondary lithium cells and batteries for use in electrical energy storage systems	1	Part of parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems》 IEC 63056-2020	except for resistance to abnormal heat	2022-11-15
		2	electric insulation check during transport and installation	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems》 IEC 63056-2020 7.4		2022-11-15
				《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary lithium cells, and for batteries made from them, for use		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				in portable applications - Part 2: Lithium systems》 IEC 62133-2-2017 5.2		
		3	protection against short circuit during transport and installation	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems》 IEC 63056-2020 7.6		2022-11-15
		4	protection for reverse connection	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems》 IEC 63056-2020 7.7		2022-11-15
		5	overdischarge control of voltage(battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems》 IEC 63056-2020 7.8		2022-11-15
		6	drop test	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems》 IEC 63056-2020 7.9		2022-11-15
13	Electric Vehicles Traction Battery	1	Part of parameters	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020	except for simulating impact;temperature cycle、temperature shock、 salt fog carry out at xinhua road	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	overdischarge/cell	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.1.2		2022-11-15
		3	overcharge/cell	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.1.3		2022-11-15
		4	short circuit/cell	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.1.4		2022-11-15
		5	heat/cell	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.1.5		2022-11-15
		6	crush/cell	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.1.7		2022-11-15
		7	vibration/cell	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.1		2022-11-15
				《Environmental testing-Part 2:Test methods-Test Fh:Vibration,broadband random and guidance》 GB/T 2423.56-2018 8.4		2022-11-15
		8	shock/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.2		2022-11-15
		9	crush/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.4		2022-11-15
		10	immersion/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.6		2022-11-15
		11	external fire exposure test/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.7.1		2022-11-15
		12	thermal diffusion/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.7.2		2022-11-15
		13	high altitude/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.10		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
)			
		14	over-temperature protection/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.11		2022-11-15
		15	overcurrent protection/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.12		2022-11-15
		16	external short circuit protection/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.13		2022-11-15
		17	overcharge protection/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.14		2022-11-15
		18	overdischarge protection/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.15		2022-11-15
14	Household and Commercial Batteries	1	Part of parameters	《Standard for safety Household and Commercial Batteries》 UL 2054-2022	except for limited power source test;temperature cycle carry out at xinhua road	2022-11-15
		2	Short-circuit test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 11		2022-11-15
		3	Crush test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 18		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Impact test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 19		2022-11-15
		5	Shock test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 20		2022-11-15
		6	250N steady force test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 23		2022-11-15
		7	Drop impact test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 25		2022-11-15
		8	Projectile test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 26		2022-11-15
		9	Heating test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 27		2022-11-15
		10	Abnormal charging test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 12		2022-11-15
		11	Abusive overcharge test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 13		2022-11-15
		12	Forced discharge test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 14		2022-11-15
		13	Battery pack component temperature	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 16		2022-11-15
		14	Battery packsurface temperature	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 17		2022-11-15
		15	vibration	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 21		2022-11-15
		16	Mold stress relife test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 24		2022-11-15
		17	Label permanence test	《Standard for safety Household and Commercial Batteries》		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				UL 2054-2022 29		
15	Miner's lamp used Lithium ion batteries	1	Free fall	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.5.4		2022-11-15
		2	Shock	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.5.5		2022-11-15
		3	Crush	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.6.2		2022-11-15
		4	Thermal shock	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.6.3		2022-11-15
		5	short circuit	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.6.6		2022-11-15
		6	Nail	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.6.7		2022-11-15
		7	Impact	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.6.8		2022-11-15
16	Electric motorcar used nicke metal hydride batteries	1	Short circuit	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.10.1,6.3.8.3		2022-11-15
		2	Overcharge	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.10.4		2022-11-15
		3	Heat	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.10.5,6.3.8.4		2022-11-15
		4	Nail	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.10.6,6.3.8.6		2022-11-15
		5	Crush	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.10.7,6.3.8.5		2022-11-15
17	Lithium-ion batteries for electric	1	Short circuit	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.12.3,6.3.8.3	revoked and retained,wh	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	vehicles				ich can only be used when referenced	
		2	Free fall	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.12.4	revoked and retained,wh ich can only be used when referenced	2022-11-15
		3	Heat	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.12.5,6.3.8.4	revoked and retained,wh ich can only be used when referenced	2022-11-15
		4	Crush	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.12.6,6.3.8.5	revoked and retained,wh ich can only be used when referenced	2022-11-15
		5	Nail	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.12.7,6.3.8.6	revoked and retained,wh ich can only be used when	2022-11-15

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					referenced	
18	Lithium Batteries	1	All parameters	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020	temperature cycle carry out at xinhua road	2022-11-15
		2	Short-circuit test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 10		2022-11-15
		3	Crush test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 13		2022-11-15
		4	Impact test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 14		2022-11-15
		5	Shock test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 15		2022-11-15
		6	Heating test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 17		2022-11-15
		7	Low pressure test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 19		2022-11-15
		8	Projectile test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 20		2022-11-15
		9	Abnormlcharging test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 11		2022-11-15
		10	Forced discharging test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 12		2022-11-15
		11	Vibration	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 16		2022-11-15
19	Lithium ion accumulator cell	1	External short circuit test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.13.3		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Nail test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.13.4		2022-11-15
		3	Crush test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.13.5		2022-11-15
		4	Impact test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.13.6		2022-11-15
		5	Soaking test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.13.7		2022-11-15
		6	Free fall test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.13.8		2022-11-15
		7	High temperature rest test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.13.9		2022-11-15
		20	Lithium-ion cells and batteries for mobile phone	1	Free fall	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.3.4
2	Low pressure			《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.3.5		2022-11-15
3	Protection of short circuit			《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.4.4		2022-11-15
4	Impact			《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.5.2		2022-11-15
5	Thermal abuse			《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.5.3		2022-11-15
6	Short circuit			《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.5.6		2022-11-15
7	Shock			《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.5.7		2022-11-15
21	Secondary cells and	1	External short circuit	《Secondary cells and batteries containing alkaline or other non-	revoked and	2022-11-15



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		№	Item/ Parameter			
	batteries containing alkaline or other non-acid electrolytes			acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 7.3.2	retained,wh ich can only be used when referenced	
2		Free fall	《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》 EN 62133-2013 7.3.3	revoked and retained,wh ich can only be used when referenced	2022-11-15	
3		Mechanical shock (crash hazard)	《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》 EN 62133-2013 7.3.4	revoked and retained,wh ich can only be used when referenced	2022-11-15	
4		Thermal abuse (cells)	《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》 EN 62133-2013 7.3.5	revoked and retained,wh ich can only be used when referenced	2022-11-15	
5		Crushing of cells	《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》 EN 62133-2013 7.3.6	revoked and retained,wh ich can only be	2022-11-15	



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					used when referenced	
		6	Low pressure (cells)	《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》 EN 62133-2013 7.3.7	revoked and retained, which can only be used when referenced	2022-11-15
		7	External short circuit (cell)	《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》 EN 62133-2013 8.3.1	revoked and retained, which can only be used when referenced	2022-11-15
		8	External short circuit (battery)	《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》 EN 62133-2013 8.3.2	revoked and retained, which can only be used when referenced	2022-11-15
		9	Free fall	《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》 EN 62133-2013 8.3.3	revoked and retained, which can only be used when referenced	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	Thermal abuse (cells)	《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》 EN 62133-2013 8.3.4	revoked and retained,wh ich can only be used when referenced	2022-11-15
		11	Crush (cells)	《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》 EN 62133-2013 8.3.5	revoked and retained,wh ich can only be used when referenced	2022-11-15
		12	Design evaluation – Forced internal short circuit (cells)	《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》 EN 62133-2013 8.3.7	revoked and retained,wh ich can only be used when referenced	2022-11-15
22	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements	1	Free fall	《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 – Part 1: Nickel systems》 IEC 62133-1-2017 7.3.3		2022-11-15
		2	Thermal abuse	《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 – Part 1: Nickel systems》 IEC 62133-1-		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	for portable sealed secondary cells, and for batteries			2017 7.3.5		
		3	external short circuit	《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 – Part 1: Nickel systems》 IEC 62133-1-2017 7.3.2		2022-11-15
		4	crush	《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 – Part 1: Nickel systems》 IEC 62133-1-2017 7.3.6		2022-11-15
		5	low pressure	《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 – Part 1: Nickel systems》 IEC 62133-1-2017 7.3.7		2022-11-15
		6	Mechanical shock	《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 – Part 1: Nickel systems》 IEC 62133-1-2017 7.3.4		2022-11-15
23	Secondary cells and batteries containing alkaline or other non-acid electrolytes –	1	External short-circuit (cell)	《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 – Part 2: Lithium systems》 IEC 62133-2-2017 7.3.1		2022-11-15
		2	External short-circuit (battery)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	Safety requirements for portable sealed secondary cells, and for batteries			secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 7.3.2		
3		Free fall	《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 – Part 2: Lithium systems》 IEC 62133-2-2017 7.3.3		2022-11-15	
4		Thermal abuse (cells)	《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 – Part 2: Lithium systems》 IEC 62133-2-2017 7.3.4		2022-11-15	
5		Crush (cells)	《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 – Part 2: Lithium systems》 IEC 62133-2-2017 7.3.5		2022-11-15	
6		Mechanical tests (batteries)	《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 – Part 2: Lithium systems》 IEC 62133-2-2017 7.3.8		2022-11-15	
7		Forced internal short-circuit (cells)	《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 – Part 2: Lithium systems》 IEC 62133-2-2017 7.3.9		2022-11-15	



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
24	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries	1	external short circuit	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries,for use in industrial applications》 IEC 62619-2017 7.2.1		2022-11-15
		2	impact	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries,for use in industrial applications》 IEC 62619-2017 7.2.2		2022-11-15
		3	drop	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries,for use in industrial applications》 IEC 62619-2017 7.2.3		2022-11-15
		4	thermal abuse	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries,for use in industrial applications》 IEC 62619-2017 7.2.4		2022-11-15
		5	internal short circuit	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries,for use in industrial applications》 IEC 62619-2017 7.3.2		2022-11-15
25	Nickel-cadmium	1	Free fall test	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Portable sealed rechargeable single cells-Part 1:Nickel-cadmium》 IEC 61951-1-2017 8		2022-11-15
26	traction battery of electric vehicle	1	Short circuit	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.4,6.3.4	revoked and retained,which can only be used when	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					referenced.	
		2	Free fall	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.5,6.3.5	revoked and retained, which can only be used when referenced.	2022-11-15
		3	Heat	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.6,6.3.6	revoked and retained, which can only be used when referenced.	2022-11-15
		4	Crush	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.7,6.3.7	revoked and retained, which can only be used when referenced.	2022-11-15
		5	Nail	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.8,6.3.8	revoked and retained, which can only be used when referenced.	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Seawater immersion	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.9,6.3.9	revoked and retained, which can only be used when referenced.	2022-11-15
		7	Low pressure	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.11,6.3.11	revoked and retained, which can only be used when referenced.	2022-11-15
27	Lithium ion cells and batteries used in portable electronic equipments	1	External short circuit in room temperature	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 6.1		2022-11-15
		2	External short circuit in high temperature	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 6.2		2022-11-15
		3	Low pressure	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 7.1,8.1		2022-11-15
		4	Shock	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 7.4		2022-11-15
		5	Free fall	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 7.5,8.5		2022-11-15
		6	Crush	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 7.6		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Impact	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 7.7		2022-11-15
		8	Thermal abuse	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 7.8		2022-11-15
		9	Projectile	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 7.9		2022-11-15
		10	Shock	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 8.4		2022-11-15
		11	Wash	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 8.8&附录 F		2022-11-15
		12	Short circuit	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 9.6		2022-11-15
		13	Short circuit protection	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 10.6		2022-11-15
28	Lithium metal and lithium ion batteries	1	All parameters	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3	Thermal test carry out at xinhua road	2022-11-15
		2	Altitude simulation	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.1		2022-11-15
		3	Shock	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.4		2022-11-15
		4	External short circuit	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.5		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	Impact	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.6.2		2022-11-15
		6	Crush	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.6.3		2022-11-15
		7	vibration	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.3		2022-11-15
		8	overcharge	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.7		2022-11-15
		9	Forced discharge	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.8		2022-11-15
29	civil lead-acid battery	1	external short circuit	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.5		2022-11-15
		2	Free fall	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.7		2022-11-15
30	lithium-ion battery pack used in solar street lampa	1	low pressure	《Technical specification for lithium-ion battery pack used in solar street lampa》 CQC1126-2017 4.3.4		2022-11-15
		2	acceleration impact	《Technical specification for lithium-ion battery pack used in solar street lampa》 CQC1126-2017 4.3.7		2022-11-15
		3	drop	《Technical specification for lithium-ion battery pack used in solar street lampa》 CQC1126-2017 4.3.9		2022-11-15
		4	soak	《Technical specification for lithium-ion battery pack used in solar street lampa》 CQC1126-2017 4.3.11		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	external short circuit control	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.13.5		2022-11-15
31	Lead-acid batteries for electric road vehicles	1	Free fall	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 6.15.1		2022-11-15
32	Secondary lithium-ion cells for the propulsion of electric road vehicles	1	Mechanical shock	《Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2:Reliability and abuse testing》 IEC 62660-2-2018 6.2.2		2022-11-15
		2	Crush	《Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2:Reliability and abuse testing》 IEC 62660-2-2018 6.2.3		2022-11-15
		3	external short circuit	《Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2:Reliability and abuse testing》 IEC 62660-2-2018 6.4.1		2022-11-15
33	metal-hydride Ni-ion batteries	1	Short circuit	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.1		2022-11-15
		2	Soak	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.6		2022-11-15
		3	Free fall	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.7		2022-11-15
		4	130°C high temperature	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.9		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	Nail	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.10		2022-11-15
		6	Crush	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.11		2022-11-15
34	Li-ion batteries	1	Short circuit	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.1		2022-11-15
		2	Soak	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.6		2022-11-15
		3	Free fall	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.7		2022-11-15
		4	130°C high temperature	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.9		2022-11-15
		5	Nail	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.10		2022-11-15
		6	Crush	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.11		2022-11-15
35	Lithium-ion battery for electric mopeds and motorcycles	1	high altitude	《Lithium-ion traction battery pack and system for electric vehicles-Part 3:Safety requirements and methods》 GB/T 31467.3-2015 7.12	revoked and retained,wh ich can only be used when referenced.	2022-11-15
		2	short-circuit protection	《Lithium-ioc traction battery pack and system for electric vehicles-Part 3:Safety requirements and test methods》 GB/T 31467.3-2015 7.14	revoked and retained,wh	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					ich can only be used when referenced.	
		3	seawater immersion	《Lithium-ion traction battery pack and system for electric vehicles-Part 3:Safety requirements and test methods》 GB/T 31467.3-2015 7.9	revoked and retained,wh ich can only be used when referenced.	2022-11-15
		4	drop test	《Lithium-ion traction battery pack and system for electric vehicles-Part 3:Safety requirements and test methods》 GB/T 31467.3-2015 7.3	revoked and retained,wh ich can only be used when referenced.	2022-11-15
36	Lithium-ion battery for electric mopeds and motorcycles	1	impact	《Lithium-ion battery for electric mopeds and motorcycles》 GB/T 36672-2018 6.4.2		2022-11-15
		2	high altitude	《Lithium-ion battery for electric mopeds and motorcycles》 GB/T 36672-2018 6.3.4		2022-11-15
		3	short-circuit protection	《Lithium-ion battery for electric mopeds and motorcycles》 GB/T 36672-2018 6.5.2.4		2022-11-15
		4	seawater immersion	《Lithium-ion battery for electric mopeds and motorcycles》 GB/T 36672-2018 6.5.2.5		2022-11-15
		5	drop test	《Lithium-ion battery for electric mopeds and motorcycles》 GB/T 36672-2018 6.5.2.7		2022-11-15
37	Lithium-ion battery for	1	over charge	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018 6.3.2		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	electric bicycle	2	forced discharge	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018 6.3.3		2022-11-15
		3	external short circuit	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018 6.3.4		2022-11-15
		4	extrusion	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018 6.3.5		2022-11-15
		5	mechanical shock	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018 6.3.6		2022-11-15
		6	free fall	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018 6.3.8		2022-11-15
		7	infrabar	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018 6.3.9		2022-11-15
		8	soaking water	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018 6.3.11		2022-11-15
		9	shell stress	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018 6.5.1		2022-11-15
38	Lithium ion battery for electrical energy storage	1	short circuit test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018 A.2.14,A3.15		2022-11-15
		2	squeezing test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018 A.2.15,A3.16		2022-11-15
		3	drop test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018 A.2.16,A3.17		2022-11-15
		4	low pressure test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018 A.2.17		2022-11-15
		5	thermal runaway test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018 A.2.19		2022-11-15
		6	Heat runaway diffusion test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018 A.3.19		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	overcharge	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018 A2.12,A3.13		2022-11-15
		8	overdischarge	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018 A2.13,A3.14		2022-11-15
		9	heating	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018 A2.18		2022-11-15
39	Batteries for use in light electric vehicle (LEV)	1	overcharge test	《Batteries for use in light electric vehicle (LEV) allications》 UL 2271-2018 23		2022-11-15
		2	short circuit test	《Batteries for use in light electric vehicle (LEV) allications》 UL 2271-2018 24		2022-11-15
		3	overdischarge test	《Batteries for use in light electric vehicle (LEV) allications》 UL 2271-2018 25		2022-11-15
		4	shock test	《Batteries for use in light electric vehicle (LEV) allications》 UL 2271-2018 31		2022-11-15
		5	crush test	《Batteries for use in light electric vehicle (LEV) allications》 UL 2271-2018 32		2022-11-15
		6	drop test	《Batteries for use in light electric vehicle (LEV) allications》 UL 2271-2018 33		2022-11-15
40	LiFePO4 battery system for telecommunications	1	heavy impact test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.2		2022-11-15
		2	heat shock test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.3		2022-11-15
		3	over charge test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.4		2022-11-15
		4	over discharge test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.5		2022-11-15
		5	short circuit test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.6		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date		
		№	Item/ Parameter					
		6	dry heat storage	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.7		2022-11-15		
		7	heating test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.8		2022-11-15		
		8	acupuncture test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.9		2022-11-15		
		9	crushing test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.10		2022-11-15		
		10	low voltage test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.11		2022-11-15		
		11	shock test	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T 2344.1-2011 6.9.14		2022-11-15		
		12	acupuncture test	《LiFePO4 battery system for telecommunications-part2:discrete battery system》 YD/T 2344.2-2015 6.11.8		2022-11-15		
		13	curushing test	《LiFePO4 battery system for telecommunications-part2:discrete battery system》 YD/T 2344.2-2015 6.11.9		2022-11-15		
		14	external short circuit	《LiFePO4 battery system for telecommunications-part2:discrete battery system》 YD/T 2344.2-2015 6.11.10		2022-11-15		
		41	Ultra-capacity for electric vehicles	1	over discharging	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.2.12.1 6.3.9.2		2022-11-15
				2	over charging	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.2.12.2		2022-11-15
				3	short circuit	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.2.12.3		2022-11-15
				4	falling	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.2.12.4		2022-11-15
				5	heating	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.2.12.5		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date		
		№	Item/ Parameter					
		6	crushing	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.2.12.6		2022-11-15		
		7	acupuncture test	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.2.12.7		2022-11-15		
		8	sea water immersion	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.2.12.8		2022-11-15		
		9	over discharging	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.3.9.2		2022-11-15		
		10	over charging	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.3.9.3		2022-11-15		
		11	short circuit	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.3.9.4		2022-11-15		
		12	falling	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.3.9.5		2022-11-15		
		13	heating	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.3.9.6		2022-11-15		
		14	crushing	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.3.9.7		2022-11-15		
		15	acupuncture test	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.3.9.8		2022-11-15		
		16	sea water immersion	《Ultra-capacity for electric vehicles》 QC/T 741-2014 6.3.9.9		2022-11-15		
		42	primary and secondary lithium cells and batteries	1	altitude	《Safety of primary and secondary lithium cells and batteries during transport》 GB 21966-2008 IEC 62281 : 2004 6.4.1		2022-11-15
				2	shock	《Safety of primary and secondary lithium cells and batteries during transport》 GB 21966-2008 IEC 62281 : 2004 6.4.4		2022-11-15
				3	external short circuit	《Safety of primary and secondary lithium cells and batteries during transport》 GB 21966-2008 IEC 62281 : 2004 6.4.5		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	heavy impact	《Safety of primary and secondary lithium cells and batteries during transport》 GB 21966-2008 IEC 62281 : 2004 6.4.6		2022-11-15
		5	over charging	《Safety of primary and secondary lithium cells and batteries during transport》 GB 21966-2008 IEC 62281 : 2004 6.5.1		2022-11-15
		6	forced discharging	《Safety of primary and secondary lithium cells and batteries during transport》 GB 21966-2008 IEC 62281 : 2004 6.5.2		2022-11-15
		7	falling	《Safety of primary and secondary lithium cells and batteries during transport》 GB 21966-2008 IEC 62281 : 2004 6.6.1		2022-11-15
43	secondary cells and batteries containing alkaline or other non-acid electrolytes	1	incorrect installation of a cell (nickel systems only)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133: 2002 4.3.1		2022-11-15
		2	external short circuit	《Secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133: 2002 4.3.2		2022-11-15
		3	free fall	《Secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133: 2002 4.3.3		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	mechanical shock (crash hazard)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133: 2002 4.3.4		2022-11-15
		5	thermal abuse	《Secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133: 2002 4.3.5		2022-11-15
		6	crushing of cells	《Secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133: 2002 4.3.6		2022-11-15
		7	low pressure	《Secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133: 2002 4.3.7		2022-11-15
		8	overcharge for nickel systems	《Secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133: 2002 4.3.8		2022-11-15
		9	overcharge for lithium system	《Secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in		2022-11-15



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		№	Item/ Parameter			
				portable applications》 GB/T 28164-2011 IEC 62133: 2002 4.3.9		
		10	forced discharge	《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》 GB/T 28164-2011 IEC 62133: 2002 4.3.10		2022-11-15
		11	cell protection against a high charging rate (lithium system only)	《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》 GB/T 28164-2011 IEC 62133: 2002 4.3.11		2022-11-15
		12	free fall	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Mechanical tests for sealed portable secondary cells and batteries》 GB/T 28163-2011 IEC 61959: 2004 4.2		2022-11-15
		13	free fall	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Mechanical tests for sealed portable secondary cells and batteries》 IEC 61959: 2004 4.2		2022-11-15
44	lithium batteries	1	Altitude	《Tests for lithium batteries transported by air》 MH/T 1052-2013 4.3.2		2022-11-15
		2	shock test	《Tests for lithium batteries transported by air》 MH/T 1052-2013 4.3.5		2022-11-15
		3	external short circuit	《Tests for lithium batteries transported by air》 MH/T 1052-2013 4.3.6		2022-11-15
		4	shock, crushing test	《Tests for lithium batteries transported by air》 MH/T 1052-2013 4.3.7		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	overcharge test	《Tests for lithium batteries transported by air》 MH/T 1052-2013 4.3.8		2022-11-15
		6	forced discharge test	《Tests for lithium batteries transported by air》 MH/T 1052-2013 4.3.9		2022-11-15
		7	package 1.2m free fall test	《Tests for lithium batteries transported by air》 MH/T 1052-2013 5		2022-11-15
45	Lithium-ion cells for electric vehicles	1	short circuit	《Safety inspection of import and export secondary cells and batteries-Part 5: Lithium-ion cells for electric vehicles》 SN/T 1414.5-2016 5.1		2022-11-15
		2	over-charging	《Safety inspection of import and export secondary cells and batteries-Part 5: Lithium-ion cells for electric vehicles》 SN/T 1414.5-2016 5.2		2022-11-15
		3	forced discharging	《Safety inspection of import and export secondary cells and batteries-Part 5: Lithium-ion cells for electric vehicles》 SN/T 1414.5-2016 5.3		2022-11-15
		4	mechanical shock	《Safety inspection of import and export secondary cells and batteries-Part 5: Lithium-ion cells for electric vehicles》 SN/T 1414.5-2016 6.3		2022-11-15
		5	crushing	《Safety inspection of import and export secondary cells and batteries-Part 5: Lithium-ion cells for electric vehicles》 SN/T 1414.5-2016 6.4		2022-11-15
46	Power cell fuel cell	1	All parameters	《Test method for relevant technical indexes of power cell and fuel cell (Trial)》 Letter of central Government No.2[2017]	Test method for energy density (PED) of power batteries and test	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					method for maximum charge rate (CR) of power battery (including supercapacitor) carry out at xinhua road	
		2	Test method for rated output power of fuel cell system (engine)	《Test method for relevant technical indexes of power cell and fuel cell (Trial)》 Letter of central Government No.2[2017] 3 《Performance test methods for fuel cell engines》 GB/T24554-2009 7.4		2022-11-15
		3	Test method for driving range of fuel cell electric vehicle	《Test method for relevant technical indexes of power cell and fuel cell (Trial)》 Letter of central Government No.2[2017] 4.3		2022-11-15
47	Fuel cell	1	Part of parameters	《Fuel cell power system used for industrial lift truck applications-Part 2:technical specification》 GB/T31037.2-2014	except for gas tightness, Electromagnetic compatibility	2022-11-15
		2	General performance test	《Fuel cell power system used for industrial lift truck applications-Part 2:technical specification》 GB/T31037.2-2014 6.1		2022-11-15
		3	Start-up characteristics test	《Fuel cell power system used for industrial lift truck		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				applications-Part 2:technical specification》 GB/T31037.2-2014 6.3		
		4	Rated power characteristics test	《Fuel cell power system used for industrial lift truck applications-Part 2:technical specification》 GB/T31037.2-2014 6.4		2022-11-15
		5	Peak power characteristics test	《Fuel cell power system used for industrial lift truck applications-Part 2:technical specification》 GB/T31037.2-2014 6.5		2022-11-15
		6	Dynamic response characteristics test	《Fuel cell power system used for industrial lift truck applications-Part 2:technical specification》 GB/T31037.2-2014 6.6		2022-11-15
		7	Energy efficiency test	《Fuel cell power system used for industrial lift truck applications-Part 2:technical specification》 GB/T31037.2-2014 6.7		2022-11-15
		8	Temperature adaptability test	《Fuel cell power system used for industrial lift truck applications-Part 2:technical specification》 GB/T31037.2-2014 6.8		2022-11-15
		9	Noise characteristic test	《Fuel cell power system used for industrial lift truck applications-Part 2:technical specification》 GB/T31037.2-2014 6.9		2022-11-15
		10	Insulation strength test	《Fuel cell power system used for industrial lift truck applications-Part 2:technical specification》 GB/T31037.2-2014 6.10		2022-11-15
				《Electric vehicles—Safety specification Part 3: Protection of persons against electric hazards》 GB/T18384.3-2001 6.2	revoked and retained, which can only be	2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					used when referenced	
48	Proton exchange membrane fuel cell backup power system	1	Part of parameters	《Proton exchange membrane fuel cell backup power system—Safety》 GB/T31036-2014	Accredited only for Electrical overload test, leakage current, Dielectric strength, Grounding performance, Exhaust temperature test, Surfaces and components temperature test	2022-11-15
		2	Electrical overload test	《Proton exchange membrane fuel cell backup power system—Safety》 GB/T31036-2014 5.4		2022-11-15
		3	leakage current	《Proton exchange membrane fuel cell backup power system—Safety》 GB/T31036-2014 5.5.1		2022-11-15
				《Information technology equipment—Safety—Part 1:General requirements》 GB4943.1-2011 5.1		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Dielectric strength	《Proton exchange membrane fuel cell backup power system— —Safety》 GB/T31036-2014 5.5.2		2022-11-15
				《Information technology equipment—Safety—Part 1:General requirements》 GB4943.1-2011 5.2		2022-11-15
		5	Grounding performance	《Proton exchange membrane fuel cell backup power system— —Safety》 GB/T31036-2014 5.5.3		2022-11-15
		6	Exhaust temperature test	《Proton exchange membrane fuel cell backup power system— —Safety》 GB/T31036-2014 5.8		2022-11-15
		7	Surfaces and components temperature test	《Proton exchange membrane fuel cell backup power system— —Safety》 GB/T31036-2014 5.9		2022-11-15
49	Lithium ion cells and batteries used in stationary electronic equipments	1	High temperature external short circuit (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 6.1		2022-11-15
		2	Overcharge (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 6.2		2022-11-15
		3	Forced discharge (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 6.3		2022-11-15
		4	Low pressure (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 7.1		2022-11-15
		5	Vibration (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 7.3		2022-11-15
		6	Acceleration shock (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 7.4		2022-11-15
		7	Drop (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 7.5		2022-11-15
		8	Heavy impact/extrusion (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 7.6		2022-11-15



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Heat abuse (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 7.7		2022-11-15
		10	Vibration(battery pack)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 8.2		2022-11-15
		11	Acceleration shock (battery pack)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 8.3		2022-11-15
		12	Drop (battery pack)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 8.4		2022-11-15
50	Lithium-ion power batteries for electric bicycle	1	Overcharge of cell	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.2		2022-11-15
		2	Overdischarge	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.3		2022-11-15
		3	External short circuit	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.4		2022-11-15
		4	Extrusion	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.5		2022-11-15
		5	Mechanical shock	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.6		2022-11-15
		6	Free fall	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.8		2022-11-15
		7	Low-pressure	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.9		2022-11-15
		8	Immerse in water	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.11		2022-11-15
(2)、Vehicle						
1	electric bicycle	1	protection of short circuit	<Safety requirement for electric bicycles electrical> GB 42295-2022 5.8.3		2023-06-19
		2	protection of charging	<Safety requirement for electric bicycles electrical> GB 42295-2022 5.8.4.2		2023-06-19



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			overvoltage			
		3	protection of charging overcurrent	<Safety requirement for electric bicycles electrical> GB 42295-2022 5.8.4.3		2023-06-19
		4	misconnection protection of charging port	<Safety requirement for electric bicycles electrical> GB 42295-2022 4.8.4.4		2023-06-19
		5	power outage of protection device failure	<Safety requirement for electric bicycles electrical> GB 42295-2022 5.8.8		2023-06-19
		6	shock	<Safety requirement for electric bicycles electrical> GB 42295-2022 5.10.2	accredited only for lithium-ion battery	2023-06-19
				<Lithium-ion battery for electric bicycle> GB/T 36972-2018 6.3.6		2023-06-19
(3)、Electric of vehicle						
1	Motors and controllers	1	shock	<Motors and controllers for electric motorcycles and electric mopeds> QC/T 792-2022 6.36		2023-06-19
				<Motors and controllers for electric motorcycles and electric mopeds> GB/T 2423.5-2019		2023-06-19



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