

No: TCH21014751-1



## 货物运输条件鉴定书

### Certification

### for Safe Transport of Chemical Goods

### 危险品

样品名称：可充放锂电池模块（TP-HS50, 51. 2V, 100Ah）

Sample Name: Lithium ion Rechargeable Battery Module

（TP-HS50,51.2V,100Ah）

委托单位：浙江艾罗网络能源技术股份有限公司

生产单位：浙江艾罗网络能源技术股份有限公司

杭州海关技术中心

Technology Center of Hangzhou Customs District

# 货物运输条件鉴定书

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样品名称 Sample Name	中文 Chinese	可充放锂电池模块 (TP-HS50, 51.2V, 100Ah)				
	英文 English	Lithium ion Rechargeable Battery Module (TP-HS50, 51.2V, 100Ah)				
委托单位 Consignor		浙江艾罗网络能源技术股份有限公司				
生产单位 Manufacturer		浙江艾罗网络能源技术股份有限公司				
样品描述 Sample Description		锂电池模组, 方形铝外壳, 白色				
主要成分 Main Ingredients		—				
检测依据 Test Method		《国际海运危规》2018 年版				
鉴定日期 Verification Data		2021-12-23-2021-12-29				
序号 NO.	电池种类 Battery type	型号 Model	容量 Capacity/锂 含量 Li content	重量 Weight	尺寸 (长宽高) Size (L*W*H)	放置方式 Placement
1	可充电锂离子电池组, 由 16 个电芯串联而成	TP-HS50	51.2V, 100Ah	53kg	850mm*300mm *145mm	电池单独运输
鉴定结果  TRANSPORT INFORMATION		1. 危险性识别 (Hazards identification) 杂项危险物质和物品 Miscellaneous Dangerous Substances and Articles				
		2. 海运按照 IMDG Code 办理的类项 (Suggestion according to IMDG Code)				
		联合国编号 UN Number		UN 3480		
		正式运输名称 Shipping Name		锂离子蓄电池组 LITHIUM ION BATTERIES		
危险类别/项别 Class or Division		第 9 类 杂项危险物质和物品 Class 9 Miscellaneous Dangerous Substances and Articles				
备注 Comment		3. 包装要求 (Packaging requirements) 按 UN3480 要求办理。 Suggestion according to UN3480.				
		检测结果仅对样品有效。 The test results are only valid for the test samples submitted the applicant.				

批准:

万旺军

审核:

潘静

主检:

王斯斯

签发日期: 2021-12-29

生效日期: 2021-12-29

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鉴定项目 Identification Items	鉴定结果 Identification Conclusion Results
爆炸危险性鉴定 Identification of Explosive Hazard	该货物不属于爆炸品。 The product is not classified in Explosives.
易燃危险性鉴定 Identification of Flammable Hazard	该货物不属于易燃危险品。 The product is not classified in flammable substances.
氧化危险性鉴定 Identification of Oxidative Hazard	该货物不属于氧化性和有机过氧化物。 The product is not classified in oxidizing substances and organic peroxides.
毒害及传染危险性鉴定 Identification of Toxic & Infectious Hazards	该货物不属于有毒和传染性物质。 The product is not classified in toxic and infectious substances.
放射危险性鉴定 Identification of Radioactive Hazard	该货物无放射危险性。 The product is not classified in radioactive material.
腐蚀危险性鉴定 Identification of Corrosive Hazard	该货物不属于腐蚀性。 The product is not classified in corrosives.
其他危险性鉴定 Identification of other Hazards	该货物属于第9类杂项危险品。 The product is classified in Class 9 (Miscellaneous & Environmentally hazardous Dangerous Substances and Articles)

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序号 No.	其他事项 Other things
1	<p>本报告所述锂电池按照《国际海运危规》2018 年版（以下简称 IMDG code 2018 edition.）2.9.4.5 规定的质量管理体系进行制造。</p> <p>本报告所述锂电池不属于因安全原因召回的锂电池。</p> <p>本报告所述锂电池不进行以回收或处置为目的的运输，不属于废弃锂电池。</p> <p>Lithium cells and batteries listed in this report were manufactured under the quality management programme as described in IMDG code 2018 edition. 2.9.4.5.</p> <p>Lithium cells and batteries listed in this report are not the defective cells or batteries returned to the manufacturer for safety reasons.</p> <p>Lithium cells and batteries listed in this report are not waste lithium cells or batteries, and they will not be shipped for recycling and disposal.</p>
2	<p>本报告所述锂电池已通过《联合国 试验和标准手册》第 III 部分 38.3 小节相应测试要求（采信中认英泰检测技术有限公司报告，报告编号：NO.20211005J26778）。</p> <p>UN 38.3 试验概要编号 NO.CQCIT2106J0222（采信中认英泰检测技术有限公司报告）。</p> <p>Lithium cells and batteries listed in this report are of the types proven to meet the requirements of each applicable test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3（NO.20211005J26778, Accepting the report of CQC Intime Testing Technology Co.,Ltd）.</p> <p>The UN 38.3 Test Summary NO.CQCIT2106J0222（Accepting the report of CQC Intime Testing Technology Co.,Ltd）.</p>
3	<p>锂电池必须完全封装在内包装内，位于坚固的外包装中。包装件必须满足 II 级包装的性能要求。</p> <p>Lithium cells and batteries must be packed in inner packaging that completely enclose the cell or battery and placed in a strong outer packaging. The completed package must meet the Packing Group II performance requirements.</p>
4	<p>电池具有适当的防短路措施。</p> <p>Cells and batteries are properly protected to prevent short circuits.</p>
5	<p>电池具有安全排气装置。</p> <p>Cells and batteries incorporate a safety venting device.</p>
6	<p>该模组未安装过充电保护装置，按设计要求只用于作为另一带过充点保护装置电池组或设备的部件。</p> <p>Modules not equipped with battery overcharge protection that are designed for use only as a component in another battery or in equipment, which affords such protection.</p>
7	<p>每个包装件必须使用 9 类锂电池危险性标签（IMDG code 5.2.2.2.2 图 No.9A）。</p> <p>Each package must be labeled with the Class 9 Lithium Battery hazard label（Model No.9A, 5.2.2.2.2 in IMDG code）.</p>
8	<p>电池不得与第 1 类爆炸品（1.4S 项除外），2.1 项易燃气体，第 3 类易燃液体，4.1 项易燃固体或 5.1 项氧化性物质等危险品包装在同一外包装或集合包装内。</p> <p>Cells and batteries must not be packed in the same outer packaging or overpack with dangerous goods classified in Class 1 Explosives other than Division 1.4S, Division 2.1 Flammable gases, Class 3 Flammable liquids, Division 4.1 Flammable solids or Division 5.1 Oxidizers.</p>

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9	EmS 编号: F-A, S-I。 EmS No.: F-A, S-I.
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样品照片

Sample Photos

内部电芯/Inner Cell



电池/Battery(TP-HS50,51.2V,100Ah)



铭牌/ Nameplate



包装照片

Package Photos



\*\*\*报告结束\*\*\*



No: TCH21014751-2



## 货物运输条件鉴定书

### Certification

### for Safe Transport of Chemical Goods

### 危险品

样品名称：可充放锂电池模块（TP-HS50, 51.2V, 100Ah）

Sample Name: Lithium ion Rechargeable Battery Module

（TP-HS50,51.2V,100Ah）

委托单位：浙江艾罗网络能源技术股份有限公司

生产单位：浙江艾罗网络能源技术股份有限公司

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样品名称 Sample Name	中文 Chinese	可充放锂电池模块 (TP-HS50, 51.2V, 100Ah)					
	英文 English	Lithium ion Rechargeable Battery Module (TP-HS50, 51.2V, 100Ah)					
委托单位 Consignor		浙江艾罗网络能源技术股份有限公司					
生产单位 Manufacturer		浙江艾罗网络能源技术股份有限公司					
样品描述 Sample Description		锂电池模组, 方形铝外壳, 白色					
主要成分 Main Ingredients		—					
检测依据 Test Method		国际危险货物公路运输协定 (ADR) 2021 版					
鉴定日期 Verification Data		2021-12-23-2021-12-29					
序号 NO.	电池种类 Battery type	型号 Model	容量 Capacity/锂 含量 Li content	重量 Weight	尺寸 (长宽高) Size (L*W*H)	放置方式 Placement	
1	可充电锂离子电池组, 由 16 个电芯串联而成	TP-HS50	51.2V, 100Ah	53kg	850mm*300mm *145mm	电池单独运输	
鉴定结果  TRANSPORT INFORMATION		1. 危险性识别 (Hazards identification) 杂项危险物质和物品 Miscellaneous Dangerous Substances and Articles					
		2. 公路运输按照 ADR 办理的类项 (Suggestion according to ADR)					
		联合国编号 UN Number		UN 3480			
		正式运输名称 Shipping Name		锂离子电池组 LITHIUM ION BATTERIES			
		危险类别/项别 Class or Division		第 9 类 杂项危险物质和物品 Class 9 Miscellaneous Dangerous Substances and Articles			
备注 Comment		3. 包装要求 (Packaging requirements) 按 UN3480 要求办理。 Suggestion according to UN3480.					
		检测结果仅对样品有效。 The test results are only valid for the test samples submitted the applicant.					

批准:

万旺军

审核:

诸静

主 检:

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鉴定项目 Identification Items	鉴定结果 Identification Conclusion Results
爆炸危险性鉴定 Identification of Explosive Hazard	该货物不属于爆炸品。 The product is not classified in Explosives.
易燃危险性鉴定 Identification of Flammable Hazard	该货物不属于易燃危险品。 The product is not classified in flammable substances.
氧化危险性鉴定 Identification of Oxidative Hazard	该货物不属于氧化性和有机过氧化物。 The product is not classified in oxidizing substances and organic peroxides.
毒害及传染危险性鉴定 Identification of Toxic & Infectious Hazards	该货物不属于有毒和传染性物质。 The product is not classified in toxic and infectious substances.
放射危险性鉴定 Identification of Radioactive Hazard	该货物无放射危险性。 The product is not classified in radioactive material.
腐蚀危险性鉴定 Identification of Corrosive Hazard	该货物不属于腐蚀性。 The product is not classified in corrosives.
其他危险性鉴定 Identification of other Hazards	该货物属于第9类杂项危险品。 The product is classified in Class 9 (Miscellaneous & Environmentally hazardous Dangerous Substances and Articles)

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序号 No.	其他事项 Other things
1	<p>本报告所述锂电池按照国际危险货物公路运输协定 2021 版（以下简称 ADR 2021 edition.）2.2.9.1.7 规定的质量管理体系进行制造。</p> <p>本报告所述锂电池不属于因安全原因召回的锂电池。</p> <p>本报告所述锂电池不进行以回收或处置为目的的运输，不属于废弃锂电池。</p> <p>Lithium cells and batteries listed in this report were manufactured under the quality management programme as described in ADR 2021 edition. 2.2.9.1.7.</p> <p>Lithium cells and batteries listed in this report are not the defective cells or batteries returned to the manufacturer for safety reasons.</p> <p>Lithium cells and batteries listed in this report are not waste lithium cells or batteries, and they will not be shipped for recycling and disposal.</p>
2	<p>本报告所述锂电池已通过《联合国 试验和标准手册》第 III 部分 38.3 小节相应测试要求（采信中认英泰检测技术有限公司报告，报告编号：NO.20211005J26778）。</p> <p>UN 38.3 试验概要编号 NO.CQCIT2106J0222（采信中认英泰检测技术有限公司报告）。</p> <p>Lithium cells and batteries listed in this report are of the types proven to meet the requirements of each applicable test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3（NO.20211005J26778, Accepting the report of CQC Intime Testing Technology Co.,Ltd）.</p> <p>The UN 38.3 Test Summary NO.CQCIT2106J0222（Accepting the report of CQC Intime Testing Technology Co.,Ltd）.</p>
3	<p>锂电池必须完全封装在内包装内，位于坚固的外包装中。包装件必须满足 II 级包装的性能要求。</p> <p>Lithium cells and batteries must be packed in inner packaging that completely enclose the cell or battery and placed in a strong outer packaging. The completed package must meet the Packing Group II performance requirements.</p>
4	<p>电池具有适当的防短路措施。</p> <p>Cells and batteries are properly protected to prevent short circuits.</p>
5	<p>电池具有安全排气装置。</p> <p>Cells and batteries incorporate a safety venting device.</p>
6	<p>该模组未安装过充电保护装置，按设计要求只用于作为另一带过充点保护装置电池组或设备的部件。</p> <p>该模组未安装过充电保护装置，按设计要求只用于作为另一带过充点保护装置电池组或设备的部件。</p> <p>Modules not equipped with battery overcharge protection that are designed for use only as a component in another battery or in equipment, which affords such protection.</p>
7	<p>每个包装件必须使用 9 类锂电池危险性标签（ADR 2021 edition. 5.2.2.2.2 图 No.9A）。</p> <p>Each package must be labeled with the Class 9 Lithium Battery hazard label（Model No.9A ,5.2.2.2.2 in ADR 2021 edition.）.</p>
8	<p>电池不得与第 1 类爆炸品（1.4S 项除外），2.1 项易燃气体，第 3 类易燃液体，4.1 项易燃固体或 5.1 项氧化性物质等危险品包装在同一外包装或集合包装内。</p> <p>Cells and batteries must not be packed in the same outer packaging or overpack with dangerous goods classified in Class 1 Explosives other than Division 1.4S, Division 2.1</p>

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	Flammable gases, Class 3 Flammable liquids, Division 4.1 Flammable solids or Division 5.1 Oxidizers.
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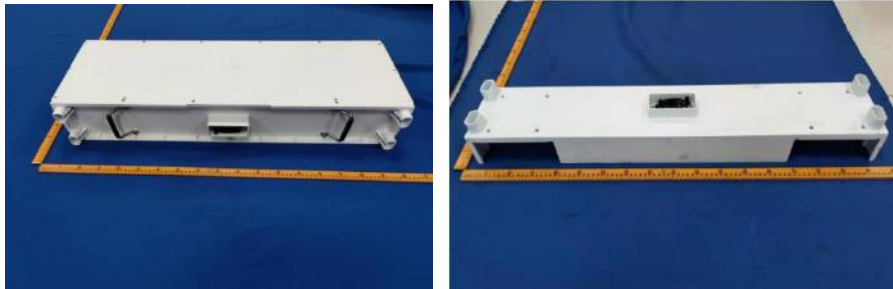
样品照片

Sample Photos

内部电芯/Inner Cell



电池/Battery(TP-HS50,51.2V,100Ah)



铭牌/ Nameplate



包装照片

Package Photos



\*\*\*报告结束\*\*\*

