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** 

### **Certification for Safe Transport of Chemical Goods**

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Sample NameChinese英文 EnglishLithium 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理电池模组,方形铝外壳,白色主要成分 Main Ingredients一检测依据 Test Method《国际海运危规》2018 年版鉴定日期 Verification Data2021-12-23-2021-12-29Verification Data型号 含量 Capacity/锂 含量 Li content重量 型量 、分配 、		Page 1 of 5								
展文 English	│ 样品名称 │中文		可充放锂电池模块(TP-HS50, 51. 2V, 100Ah)							
医内閣 ish     委托单位 Consignor	Sample Chinese									
要托单位 Consignor 生产単位 Manufacturer	Name 英文		Lithium ion Rechargeable Battery Module (TP-HS50,51.2V,100Ah)							
### ### ### ### #####################	' ' '			h						
### Padia ###	委技	毛单位	፲ Consi	gnor	浙江艾罗区	网络能源技术股份有	育限公司			
Sample Description 主要成分 Main Ingredients 检测依据 Test Method 鉴定日期 Verification Data  P号 电池神类 型号 容量 Capacity/锂 重量 尺寸(长宽高) 放置方式 NO. Battery type Model 含量 Li content Weight Size (L*W*H) Placement 1 可充电锂离子电池组,由 16 个电芯串联而成 1.危险性识别(Hazards identification) 杂项危险物质和物品 Miscellaneous Dangerous Substances and Articles  **E注集** TRANSPORT INFORMATION  E				turer	浙江艾罗区	网络能源技术股份有	育限公司			
主要成分 Main Ingredients 检测依据 Test Method 鉴定日期 Verification Data 序号 电池种类 型号 容量 Capacity/锂 重量 尺寸(长宽高) 放置方式 Placement 1 可充电锂离子电池组,由16个电芯串联而成 1.危险性识别(Hazards identification)杂项危险物质和物品 Miscellaneous Dangerous Substances and Articles  *** 上海		样	品描述		锂电池模组	且,方形铝外壳,自	白色			
Main Ingredients   检測依据   Test Method   医定日期   2021-12-23-2021-12-29   Verification Data   序号 电池种类 型号 容量 Capacity/锂 重量 尺寸(长宽高) 放置方式 Placement	Sam	ple I	Descrip	tion						
検測体据   Test Method   Yerification Data   Yerification Data   Yerification Data   PF		主	要成分		_					
Test Method 鉴定日期 Verification Data  PF 电池种类 型号 容量 Capacity/锂 重量 尺寸(长宽高) 放置方式 NO. Battery type Model 含量 Li content Weight Size(L*W*H) Placement  1 可充电锂离子电池组,TP-HSSO 51.2V,100Ah 53kg 850mm*300mm 电池单独运输 由 16 个电芯串联而成  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 正式运输名称 锂离子电池组 Shipping Name LITHIUM ION BATTERIES 危险类别/项别 第 9 类 杂项危险物质和物品 Class or Division Class 9 Miscellaneous Dangerous Substances and Articles  3.包装要求(Packaging requirements)按 UN3480 要求办理。	Ma	in I	ngredie	nts						
接定日期   Verification Data   Perification D		检	测依据		《国际海边	运危规》2018年版				
Verification Data   P号		Test	Method	k						
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 Placement1可充电锂离子电池组, 由 16 个电芯串联而成TP-HS5051.2V,100Ah53kg850mm*300mm *145mm电池单独运输1.危险性识别(Hazards identification) 杂项危险物质和物品 Miscellaneous Dangerous Substances and Articles2.海运按照 IMDG Code 办理的类项(Suggestion according to IMDG Code)联合国编号 UN NumberUN 3480TRANSPORT INFORMATIONUN 3480INFORMATION第9类杂项危险物质和物品 Class or DivisionClass or DivisionClass 9 Miscellaneous Dangerous Substances and Articles3.包装要求(Packaging requirements) 按 UN3480 要求办理。		鉴	定日期		2021-12-2	23-2021-12-29				
NO.   Battery type	Ver	rific	ation [	)ata						
1 可充电锂离子电池组, TP-HS50 51.2V,100Ah 53kg 850mm*300mm 电池单独运输 *145mm 1.危险性识别(Hazards identification)杂项危险物质和物品 Miscellaneous Dangerous Substances and Articles  ****  *****************************	序号	序号 电池种类		型号	容量 Capacity/锂	重量	尺寸(长宽高)	放置方式		
#145mm  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 3480  UN 3480  UN 3480  E式运输名称 Shipping Name LITHIUM ION BATTERIES 危险类别/项别 Class or Division Class 9 Miscellaneous Dangerous Substances and Articles  3.包装要求(Packaging requirements) 按 UN3480 要求办理。	NO.	NO. Battery type		Model	含量 Li content	Weight	Size (L*W*H)	Placement		
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 3480 UN 3480 E元式运输名称 证式运输名称 Shipping Name LITHIUM ION BATTERIES 危险类别/项别 第 9 类 杂项危险物质和物品 Class or Division Class 9 Miscellaneous Dangerous Substances and Articles  3.包装要求(Packaging requirements) 按 UN3480 要求办理。	1 可充电锂离子电池组,		TP-HS50	51.2V,100Ah	53kg	850mm*300mm	电池单独运输			
来项危险物质和物品 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	由 16 个电芯串联而成					*145mm				
Additional 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 3480 UN 3480 世离子电池组 Shipping Name LITHIUM ION BATTERIES 危险类别/项别 第 9 类 杂项危险物质和物品 Class or Division Class 9 Miscellaneous Dangerous Substances and Articles  3.包装要求(Packaging requirements) 按 UN3480 要求办理。	1.危险性				生识别(Hazards identification )					
2.海运按照 IMDG Code 办理的类项(Suggestion according to IMDG Code)  联合国编号 UN 3480 UN Number 正式运输名称 Shipping Name LITHIUM ION BATTERIES 危险类别/项别 Class or Division Class 9 Miscellaneous Dangerous Substances and Articles 3.包装要求(Packaging requirements) 按 UN3480 要求办理。	杂项危险			杂项危险	<b>金物质和物品</b>					
		Miscella			neous Dangerous Substances and Articles					
金足			2.海运按	安照 IMDG Code 办理的类项(Suggestion according to IMDG Code)						
TRANSPORT INFORMATION  TRANSPORT INFORMATION  E式运输名称 Shipping Name LITHIUM ION BATTERIES 危险类别/项别 第 9 类 杂项危险物质和物品 Class or Division Class 9 Miscellaneous Dangerous Substances and Articles  3.包装要求(Packaging requirements) 按 UN3480 要求办理。	联合[		联合国	编号		UN 2490				
TRANSPORT INFORMATION  Shipping Name  LITHIUM ION BATTERIES  危险类别/项别  Class or Division  Class 9 Miscellaneous Dangerous Substances and Articles  3.包装要求(Packaging requirements) 按 UN3480 要求办理。	金	举正结果		UN Num	ber		UN 3480			
INFORMATION  危险类别/项别  Class or Division  Class 9 Miscellaneous Dangerous Substances and Articles  3.包装要求(Packaging requirements) 按 UN3480 要求办理。	正式运			正式运	输名称		锂离子电池组			
Class or Division Class 9 Miscellaneous Dangerous Substances and Articles  3.包装要求(Packaging requirements) 按 UN3480 要求办理。	TRANSPORT Shipp		ng Name		LITHIUM ION BATTERIES					
3.包装要求(Packaging requirements) 按 UN3480 要求办理。	INFORMATION		危险类别/项别		第9类 杂项危险物质和物品					
按 UN3480 要求办理。			Class or Division Class 9 Miscellaneous Dangerous Substances and Articles					s and Articles		
按 UN3480 要求办理。										
Suggestion according to UN3480.			按 UN	按 UN3480 要求办理。						
	Sugge			Sugges	stion according to UN3480.					
<b>备注</b> 检测结果仅对样品有效。		备注		检测结果	<b>具</b> 仅对样品有效。					
Comment The test results are only valid for the test samples submitted the applicant.	Co	ommer	nt	The test	results are only valid for the test samples submitted the applicant.					

批准: 万旺年 审核: 清静 主检: 王斯斯

签发日期: 2021-12-29 生效日期: 2021-12-29

## **Certification for Safe Transport of Chemical Goods**

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

# **Certification for Safe Transport of Chemical Goods**

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序号	其他事项
No.	Other things
1	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。
	本报告所述锂电池不属于因安全原因召回的锂电池。
	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。
	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
	Lithium cells and batteries listed in this report are not the defective cells or batteries returned
	to the manufacturer for safety reasons.
	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.
2	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)。
	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)。
	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).
	The UN 38.3 Test Summary NO.CQCIT2106J0222 (Accepting the report of CQC Intime Testing
	Technology Co.,Ltd).
3	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。
	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.
4	电池具有适当的防短路措施。 
	Cells and batteries are properly protected to prevent short circuits.
5	电池具有安全排气装置。
	Cells and batteries incorporate a safety venting device.
6	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
	<b>备的部件。</b>
	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.
7	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)。
	Each package must be labeled with the Class 9 Lithium Battery hazard label (Model
	No.9A ,5.2.2.2 in IMDG code).
8	电池不得与第1类爆炸品(1.45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。
	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.

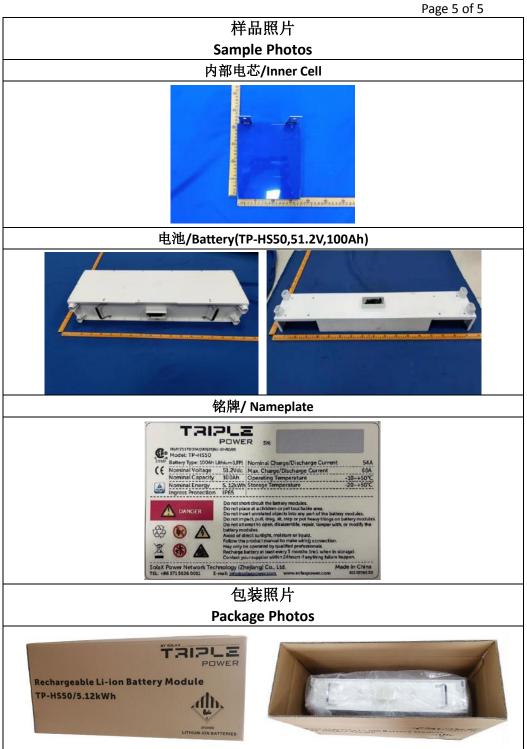
## 货物运输条件鉴定书 Certification for Safe Transport of Chemical Goods

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	č
9	EmS 编号: F-A,S-I。
	LIII 3 m J. 1 A, 3 10
	Fmc No. F A C L
	EmS No.: F-A, S-I.

### **Certification for Safe Transport of Chemical Goods**

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\*\*\*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

杭州海关技术中心

**Technology Center of Hangzhou Customs District** 

### **Certification for Safe Transport of Chemical Goods**

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	Page 1 of 4								
│ 样品名称 │中文			可充放锂电池模块(TP-HS50, 51. 2V, 100Ah)						
Sample Chinese									
Nam	Name 英文		Lithium ion Rechargeable Battery Module(TP-HS50,51.2V,100Ah)						
English			h	, , ,					
委技	托单位	፲ Consi	gnor	浙江艾罗区	网络能源技术股份有	可限公司			
生产单位 Manufacturer			turer	浙江艾罗	网络能源技术股份有	<b>育限公司</b>			
	样	品描述		锂电池模组	组,方形铝外壳,自	色			
Sam	nple l	Descrip	tion						
	主	要成分							
Ma	ain I	ngredie	nts						
	检	测依据		国际危险1	货物公路运输协定	(ADR) 20	 21 版		
	Test	Method	<u> </u>						
	鉴	定日期		2021-12-2	23-2021-12-29				
Ve	rific	ation [	)ata						
序号	序号 电池种类		类	型号	容量 Capacity/锂	重量	尺寸(长宽高)	放置方式	
NO.	NO. Battery type		Model	含量 Li content	Weight	Size (L*W*H)	Placement		
1 可充电锂离子电池组,		TP-HS50	51.2V,100Ah	53kg	850mm*300mm	电池单独运输			
由 16 个电芯串联而成					*145mm				
1.危险性			1.危险性	生识别(Hazards identification )					
杂项危		杂项危险	<b>验物质和物品</b>						
Miscella		Miscellar	neous Dangerous Substances and Articles						
		2.公路运	运输按照 ADR 办理的类项(Suggestion according to ADR)						
鉴定结果 紫元		联合国:	编号		UN 3480				
317	. <b>/</b> L =	1/1	UN Numl	ber		UIN 346U			
正式运			正式运	<b>输名称</b>					
		-	ng Name		LITHIUM ION BATTERIES				
INFORMATION			别/项别	第9类 杂项危险物质和物品					
		Class	or Divisio	n Class 9 Miscel	Class 9 Miscellaneous Dangerous Substances and Articles				
3			装要求(Packaging requirements)						
		按 UN	N3480 要求办理。						
				stion according to UN3480.					
	<b>备注</b> 检测结果			果仅对样品有效。					
C	Comment The test			results are only valid for the test samples submitted the applicant.					

批准: 万旺季 审核: 清静 主检: 王斯斯

签发日期: 2021-12-29 生效日期: 2021-12-29

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Identification Items
The product is not classified in Explosives.
易燃危险性鉴定 Identification of Flammable Hazard  氧化危险性鉴定 Identification of Oxidative Hazard  毒害及传染危险性鉴定 Identification of Toxic & Infectious Hazards  放射危险性鉴定
The product is not classified in flammable substances.  氧化危险性鉴定 Identification of Oxidative Hazard  毒害及传染危险性鉴定 Identification of Toxic & Infectious Hazards  放射危险性鉴定  该货物不属于有毒和传染性物质。 The product is not classified in oxidizing substances and organic peroxides.  The product is not classified in toxic and infectious substances.
The product is not classified in flammable substances.  氧化危险性鉴定 Identification of Oxidative Hazard  毒害及传染危险性鉴定 Identification of Toxic & Infectious Hazards  放射危险性鉴定  该货物不属于有毒和传染性物质。 The product is not classified in oxidizing substances and organic peroxides.  The product is not classified in toxic and infectious substances.
The product is not classified in flammable substances.  氧化危险性鉴定 Identification of Oxidative Hazard  毒害及传染危险性鉴定 Identification of Toxic & Infectious Hazards  放射危险性鉴定  该货物不属于有毒和传染性物质。 The product is not classified in oxidizing substances and organic peroxides.  The product is not classified in toxic and infectious substances.
氧化危险性鉴定 Identification of Oxidative Hazard  毒害及传染危险性鉴定 Identification of Toxic & Infectious Hazards  放射危险性鉴定  该货物不属于有毒和传染性物质。 The product is not classified in oxidizing substances and organic peroxides.  The product is not classified in toxic and infectious substances.  该货物无放射危险性鉴定  该货物无放射危险性。
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  放射危险性鉴定  该货物无放射危险性。
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  放射危险性鉴定  该货物无放射危险性。
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  放射危险性鉴定  该货物无放射危险性。
a 書及传染危险性鉴定 Identification of Toxic & Infectious Hazards  放射危险性鉴定  该货物不属于有毒和传染性物质。 The product is not classified in toxic and infectious substances.
毒害及传染危险性鉴定 Identification of Toxic & Infectious Hazards  放射危险性鉴定  该货物无放射危险性。  该货物无放射危险性。
Identification of Toxic & Infectious HazardsThe product is not classified in toxic and infectious substances.放射危险性鉴定该货物无放射危险性。
Identification of Toxic & Infectious HazardsThe product is not classified in toxic and infectious substances.放射危险性鉴定该货物无放射危险性。
substances. <b>放射危险性鉴定</b> 该货物无放射危险性。
<b>放射危险性鉴定</b> 该货物无放射危险性。
Identification of Radioactive Hazard  The product is not classified in radioactive material.
<b>腐蚀危险性鉴定</b> 该货物不属于腐蚀性。
Identification of Corrosive Hazard The product is not classified in corrosives.
<b>其他危险性鉴定</b> 该货物属于第9类杂项危险品。
<b>Identification of other Hazards</b> The product is classified in Class 9 (Miscellaneous &
Environmentally hazardous Dangerous Substances and
Articles )

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序号	其他事项
No.	Other things
1	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。
	本报告所述锂电池不属于因安全原因召回的锂电池。
	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。
	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 。
	Lithium cells and batteries listed in this report are not the defective cells or batteries returned
	to the manufacturer for safety reasons.
	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.
2	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)。
	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)。
	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).
	The UN 38.3 Test Summary NO.CQCIT2106J0222 (Accepting the report of CQC Intime Testing
	Technology Co.,Ltd).
3	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。
	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.
4	电池具有适当的防短路措施。
	Cells and batteries are properly protected to prevent short circuits.
5	电池具有安全排气装置。
	Cells and batteries incorporate a safety venting device.
6	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。
	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。
	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.
7	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)。
	Each package must be labeled with the Class 9 Lithium Battery hazard label (Model
	No.9A ,5.2.2.2 in ADR 2021 edition.) .
8	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。
	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

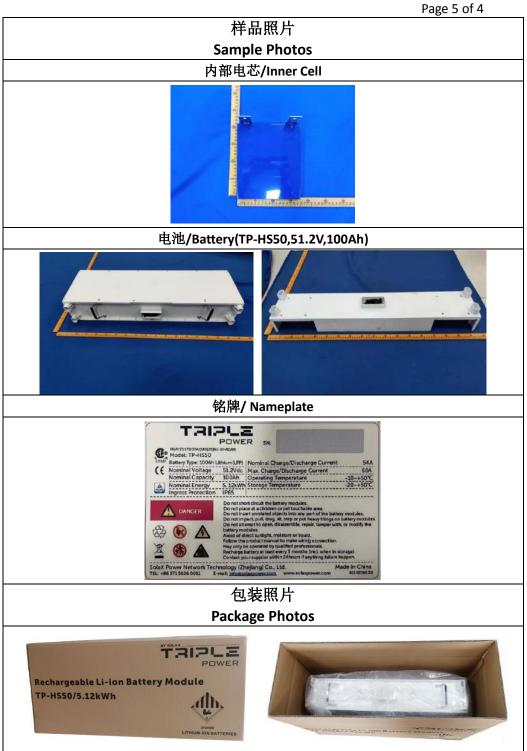
## 货物运输条件鉴定书 Certification for Safe Transport of Chemical Goods

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 <u>.                                    </u>
Flammable gases, Class 3 Flammable liquids, Division 4.1 Flammable solids or Division 5.1
Oxidizers.

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