



中国认可  
国际互认  
检验  
INSPECTION  
CNAS IB0551



Report No.:  
报告编号: XTDY20211224M505

## Certificate for Safe Transport of Goods by Sea 货物海运条件鉴定书

**Dangerous Goods 危险货物**

<b>Name of Goods</b> 货物名称	Rechargeable Li-ion Battery Pack: SP51.2-200, V-LFP51.2V200AH 可充锂离子电池组: SP51.2-200, V-LFP51.2V200AH
<b>Applicant</b> 委托单位	SHENZHEN CENTER POWER TECH.CO., LTD 深圳市雄韬电源科技股份有限公司
<b>Issue Date</b> 签发日期	2021.12.31

**Inspected by/检验**

*Guangwei Li*

Inspection Engineer

**Reviewed by/审核**

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**Approved by/批准**

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Approval Engineer

广州邦禾检测技术有限公司

**Guangzhou MCM Certification & Testing Co., Ltd.**



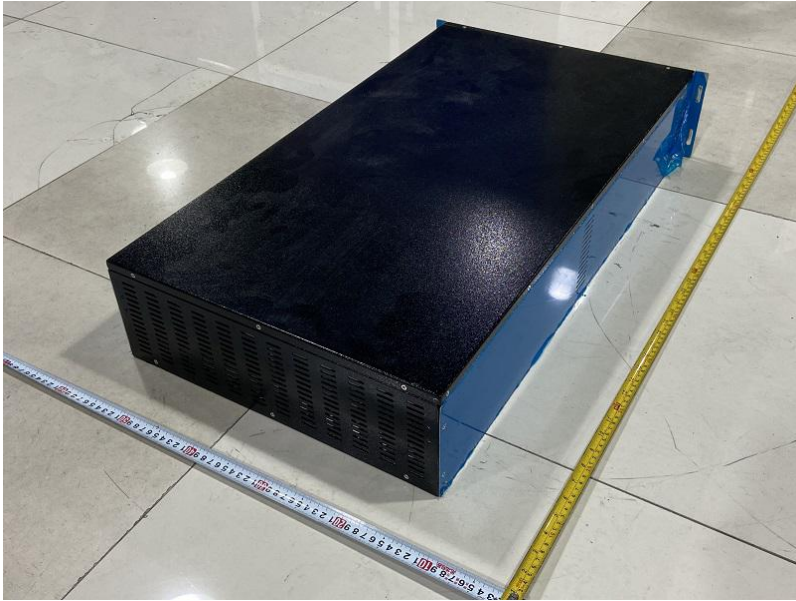
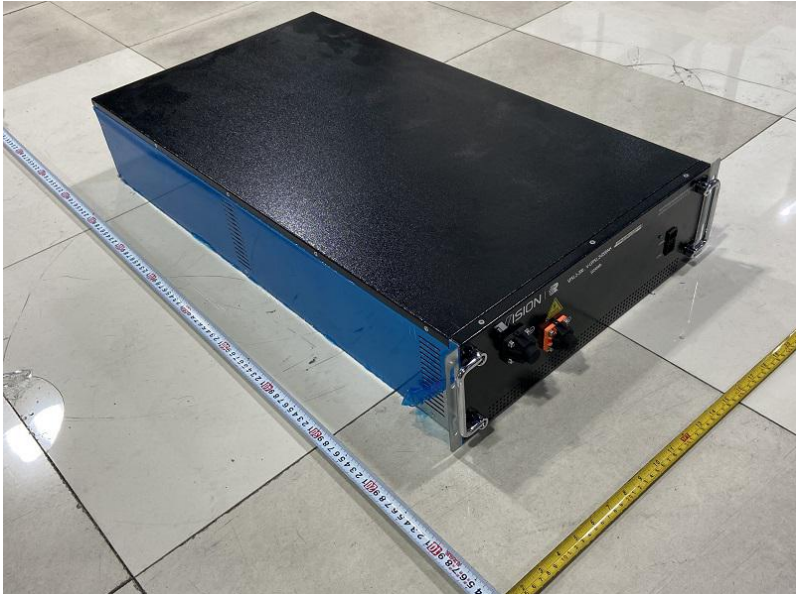
<b>Inspection Conclusion</b> <b>检验结论</b>				
Name of Goods 货物名称	Rechargeable Li-ion Battery Pack: SP51.2-200, V-LFP51.2V200AH 可充锂离子电池组: SP51.2-200, V-LFP51.2V200AH			
Battery's type 电池类型	<input checked="" type="checkbox"/> Lithium ion batteries 锂离子电池	<input type="checkbox"/> Lithium metal batteries 锂金属电池		
Model & parameters 电池型号参数	SP51.2-200, V-LFP51.2V200AH, 51.2V, 200Ah, 10240Wh			
Information of Package 包装件信息	Package G. W. 包装毛重	112.0kg	Equipment's Qty. 设备数量	/
	Batteries' N.W. 电池净重	91.4kg	Batteries' Qty. 电池数量	1pcs
Applicant 委托单位	SHENZHEN CENTER POWER TECH CO., LTD 深圳市雄韬电源科技股份有限公司			
	9# Plant South Building 1 to 5 layers, Center Power Industrial Park, Tongfu Industrial Park, Dapeng Street, Dapeng New District, Shenzhen, Guangdong, China 中国广东省深圳市大鹏新区大鹏街道同富工业区雄韬科技园 9# 厂房南栋 1 至 5 层			
Manufacturer 电池制造单位	SHENZHEN CENTER POWER TECH CO., LTD 深圳市雄韬电源科技股份有限公司			
	9# Plant South Building 1 to 5 layers, Center Power Industrial Park, Tongfu Industrial Park, Dapeng Street, Dapeng New District, Shenzhen, Guangdong, China 中国广东省深圳市大鹏新区大鹏街道同富工业区雄韬科技园 9# 厂房南栋 1 至 5 层			
Factory 电池生产单位	SHENZHEN CENTER POWER TECH CO., LTD 深圳市雄韬电源科技股份有限公司			
	9# Plant South Building 1 to 5 layers, Center Power Industrial Park, Tongfu Industrial Park, Dapeng Street, Dapeng New District, Shenzhen, Guangdong, China 中国广东省深圳市大鹏新区大鹏街道同富工业区雄韬科技园 9# 厂房南栋 1 至 5 层			
Identification 货物鉴定单位	Guangzhou MCM Certification & Testing Co., Ltd. 广州邦禾检测技术有限公司			
Standard 鉴定标准	<i>International Maritime Dangerous Goods Code</i> (40-20 Edition) 《国际海上危险货物运输规则》(40-20)			
Date 日期	Submission 送检日期	2021.12.24	Appraisal 鉴定日期	2021.12.29
	Validity 有效期	2022.01.01 - 2022.12.31		
Inspection Conclusion: 检验结论:	<p>(1). Hazards identification 危险品识别 Dangerous Goods, Class 9: UN 3480, LITHIUM ION BATTERIES 第九类危险货物: UN 3480, 锂离子电池</p> <p>(2). Operational mode according to IMO IMDG Code 按 IMO IMDG 操作方式 As Dangerous Goods, the goods must be met special provision 230 and 348 and packing instructions P903 作为危险货物, 货物运输必须满足特殊条款 230 和 348 和包装说明 P903</p> <p>(3). Packing requirements 包装要求 The goods must be packaged according to the corresponding packaging requirement of Packing Instruction P903. 货物应按包装说明 P903 的相应包装要求进行包装。</p> <p style="text-align: right;">Seal: 检验专用章:</p>			
Comment: 备注:	/			

<b>International Maritime Dangerous Goods Code (40-20 Edition)</b> <b>《国际海上危险货物运输规则》(40-20)</b>		
<b>Clause- Requirement</b> <b>条款-要求</b>	<b>Result-Remark</b> <b>结果-备注</b>	<b>Verdict</b> <b>判定</b>
<b>Special Provision 230 特殊条款 230</b>		<b>P</b>
Lithium cells and batteries may be transported under this entry if they meet the provisions of 2.9.4. 锂电芯和电池如符合 2.9.4 的规定, 可按本条目运输。		—
—2.9.4.1 Tests of the transport of lithium batteries (关于锂电池的运输测试)	Complied. See report 满足要求。见报告 XTDY20210415U01	P
—2.9.4.2, .3, .4 Protection Design of Cell or Battery (关于电芯或电池的保护设计)	Complied 符合要求	P
—2.9.4.5 Production Quality Control (关于生产的质量控制)	Complied 符合要求	P
—2.9.4.6 Requirements of lithium batteries consisted of lithium primary cells and lithium rechargeable cells (关于由锂原电芯和可充锂电芯组成的锂电池的要求)	Not applied 不适用	N/A
—2.9.4.7 Test summary of lithium batteries (关于锂电池的测试概要)	Complied. See report 满足要求。见报告 XTDY20210415UG01	P
<b>Special Provision 348 特殊条款 348</b>		<b>P</b>
Batteries manufactured after 31 December 2011 shall be marked with the Watt hour rating on the outer case. 2011 年 12 月 31 日后生产的电池, 应该在外壳上标记瓦特-小时的额定值。	The watt hour rating have been marked: 10240Wh 瓦特-小时值已标明: 10240Wh See the photos of page 5 见第 5 页的电池标识照片	P
<b>Packing Instruction P903 包装指引 P903</b>		<b>P</b>
(1) For cells and batteries 对于电芯和电池	Complied 符合要求	P
(Applicable packing cases 适用的包装箱) Drums 桶 (1A2, 1B2, 1N2, 1H2, 1D, 1G); Boxes 箱 (4A, 4B, 4N, 4C1, 4C2, 4D, 4F, 4G, 4H1, 4H2); Jerricans 罐 (3A2, 3B2, 3H2).	4D: Plywood box 4D: 胶合板箱	P
Cells or batteries packed in packagings shall be protected against damage that may be caused by the movement or displacement of the cells or batteries within the packaging. 装在包装中的电芯或电池应采取保护措施, 防止电芯或电池因在包装中移动或位置变化而造成损坏。	See the packing photo of page 6. 见第 6 页的包装图片。	P
Packagings shall conform to the packing group II performance level. 包装应该符合包装类别 II 级的性能水平。	Complied 符合要求	P
(2) In addition for cells or batteries with a gross mass of 12 kg or more employing a strong, impact resistant outer casing, and, assemblies of such cells or batteries 此外, 对于总质量 12kg 或以上的采用坚固、耐碰撞外壳的电芯或电池, 以及这类电芯或电池的装配	Gross mass of battery: 91.4kg 电池总质量: 91.4kg	P

<b>International Maritime Dangerous Goods Code (40-20 Edition)</b> <b>《国际海上危险货物运输规则》(40-20)</b>		
<b>Clause- Requirement</b> <b>条款-要求</b>	<b>Result-Remark</b> <b>结果-备注</b>	<b>Verdict</b> <b>判定</b>
Strong outer packagings 坚固的外包装 Protective enclosures (e.g. fully enclosed or wooden slatted crates); 保护外罩 (例完全密封的或木制的板条箱) ;or Pallets or other handling devices. 货板或其他搬运装置	Strong outer packagings 坚固的外包装	P
Cells or batteries shall be secured to prevent inadvertent movement, and the terminals shall not support the weight of other superimposed elements. 电芯或电池应加以固定, 以防意外移动, 电极不得承受其他叠放物品的重量	Complied 符合要求	P
Packagings need not meet the requirements of 4.1.1.3. 包装无须符合 4.1.1.3 的要求。		—
(3) For cells or batteries packed with equipment 对于与设备一同打包的电芯或电池	Battery transport separated from equipment. This entry omitted. 电池单独运输, 本条目省略	N/A
(4) For cells or batteries contained in equipment: 对于安装在设备上的电芯或电池	Battery transport separated from equipment. This entry omitted. 电池单独运输, 本条目省略	N/A
(5) For cells and batteries contained in or packed with equipment, or installed in equipment: 对于含有或与设备一同打包或安装在设备上的电芯或电池	Battery transport separated from equipment. This entry omitted. 电池单独运输, 本条目省略	N/A
Additional requirement 附加要求: Cells or batteries shall be protected against short circuit. 电芯或电池应该加以保护免受短路。	Batteries are protected against short circuit. 电池已有防止短路措施	P
<b>Packing Instruction LP903 包装指引 LP903</b>		N/A

**Photos of the Battery**  
**电池照片**

**Battery (SP51.2-200, V-LFP51.2V200AH, 51.2V, 200Ah, 10240Wh)**



SP51.2-200 , V-LFP51.2V200AH  
10240Wh



**Photos of the Packages and Markings**  
包装及标识照片



-- End of Report --

**Important Note**  
**注意事项**

1. This inspection report is invalid without special inspection seal and cross-page seal of Guangzhou MCM Certification & Testing Co., Ltd.  
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5. Objection to this inspection report must be submitted to Guangzhou MCM Certification & Testing Co., Ltd. within 15 days after the publication of the report.  
若对检验报告有异议，必须在报告发布之日起十五天内向广州邦禾检测技术有限公司提出。
6. This report is only responsible for the received samples.  
本报告仅对来样负责。
7. As for the inspection results, "N/A" means "Not applicable", "P" means "Pass" and "F" means "Fail".  
本检验结果中"N/A"表示"不适用"，"P"表示"通过"，"F"表示"不通过"。

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