

No: TCH24025796-1



货物运输条件鉴定书

Certification for Safe Transport of Chemical Goods

危险品

样品名称：储能电池系统 PowerCube-20H-M7A200C5.015-EU-05
1331.2V 3768Ah 5.015MWh

Sample Name: Lithium Iron Phosphate Battery Energy Storage System

PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh

委托单位：上海派能能源科技股份有限公司

生产单位：安徽派能能源科技有限公司

杭州海关技术中心

Technology Center of Hangzhou Customs District

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样品名称 Sample Name	中文 Chinese	储能电池系统 PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh					
	英文 English	Lithium Iron Phosphate Battery Energy Storage System PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh					
委托单位 Consignor		上海派能能源科技股份有限公司					
生产单位 Manufacturer		安徽派能能源科技有限公司					
样品描述 Sample Description		该样品为集成电池组，外观为白色棱柱形，由 12 个锂离子电池模组 PowerCube-M7A-200-166.4/1331.2V-E15 组成。集成电池组 PowerCube-M7A-200-166.4/1331.2V-E15 外观为白色与黑色棱柱形，由 8 个锂离子电池模组 HM7A200L 组成。锂离子电池组 HM7A200L 外观为黑色棱柱形。					
主要成分 Main Ingredients		—					
检验依据 Test Method		联合国《关于危险货物运输的建议书 规章范本》(TDG)(第 23 修订版)					
鉴定日期 Verification Data		2024-09-29-2024-10-14					
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） (mm)/Size (L*W*H)(mm)	放置方式 Placement	数量 Quantity
1	集成电池组， 内含 12 并 416 串共 4992 个 电芯	PowerCube-20H- M7A200C5.015-EU-05	1331.2V 3768Ah 5.015MWh	42T	6058*2438*2896	单独运输	1
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.按照 TDG Model Regulation 办理的类项（Suggestion according to TDG Model Regulation）					
		联合国编号 UN Number		UN 3536			
		正式运输名称 Shipping Name		装在货运装置中的锂电池组 LITHIUM BATTERIES INSTALLED IN CARGO TRANSPORT UNIT			
		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			
		3.包装要求（Packaging requirements） 按 UN 3536 要求办理。 Suggestion according to UN 3536.					

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备注 Comment	检测结果仅对送检样品有效。 The test results are only valid for the test samples submitted the applicant.
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批准: 万旺军

审核: 诸静

主检: 王斯斯

签发日期: 2024-10-14

生效日期: 2024-10-14

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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.
加压气体危险性鉴定 Identification of Hazard for Gases under Pressure	该货物不属于加压气体。 The product is not classified in gases under pressure.
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	该货物无腐蚀性。 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	本报告所述锂电池按照联合国《关于危险货物运输的建议书 规章范本》第 23 修订版（以下简称 TDG 23rd revised edition.）2.9.4（e）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 TDG 23rd revised edition 2.9.4(e). 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。 样品为型号 PowerCube-20H-M7A200C5.015-EU-05 的电池系统，是锂离子电池组 HM7A200L 的集合体。 电池模组（HM7A200L）已通过 UN38.3 相应测试，采信浙江省检验检疫科学技术研究院报告，报告编号为 NO.: STL/R2406935-2R1、NO.: STL/R2406934-2R1，采信常州华阳检验检测技术有限公司报告，报告编号 NO.HYJCM202408018。 UN 38.3 试验概要编号 NO.: STL/R2406935-1R1，NO.: STL/R2406934-1R1。（采信浙江省检验检疫科学技术研究院）。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电保护装置电池组或设备的部件。 集合电池组 PowerCube-M7A-200-166.4/1331.2V-E15 额定瓦时为 417.9kWh，大于 6200Wh。根据 38.3.3(g) 条款要求，集合电池组经过验证可防止下列状况，即无需进行试验: (一)过度充电； (二)短路； (三)电池组之间过度放电。集合电池组已通过验证，采信浙江省检验检疫科学技术研究院报告，报告编号为 NO.:STL/R2407528-2。 UN 38.3 试验概要编号 NO.:STL/R2407528-1。 集合电池组 PowerCube-20H-M7A200C5.015-EU-05 额定瓦时为 5.015MWh，大于 6200Wh。根据 38.3.3(g) 条款要求，集合电池组经过验证可防止下列状况，即无需进行试验: (一)过度充电； (二)短路； (三)电池组之间过度放电。集合电池组已通过验证，采信浙江省检验检疫科学技术研究院报告，报告编号为 NO.:STL/R2407527-2。 UN 38.3 试验概要编号 NO.:STL/R2407527-1。 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. The sample is a battery system with type PowerCube-20H-M7A200C5.015-EU-05, a collection of battery modules with type HM7A200L. The battery modules (HM7A200L) have passed UN 38.3 each applicable testing. The UN 38.3 Test Report NO.: STL/R2406935-2R1, NO.: STL/R2406934-2R1, accepting the report of Zhejiang Academy of Science and Technology for Inspection and Quarantine, Report NO.HYJCM202408018, accepting the report of Changzhou Huayang Inspection and Testing Technology Co., Ltd. The battery modules do not equipped with battery

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	overcharge protection, are only designed as a component in another battery or equipment which affords such protection. The UN 38.3 Test Summary NO.: STL/R2406935-1R1, NO.: STL/R2406934-1R1 (Accepting the report of Zhejiang Academy of Science and Technology for Inspection and Quarantine). The rated Watt-hour of the battery assembly (PowerCube-M7A-200-166.4/1331.2V-E15) is 417.9kWh, which is more than 6200Wh. According to Section 38.3.3(g) standard requirements, the battery assembly does not need to be tested if it of a type that has been verified as preventing: (i) Overcharge; (ii) Short circuits; (iii) Over discharge between the batteries. The battery assembly has been verified, The UN 38.3 Test Report NO.:STL/R2407528-2. The UN 38.3 Test Summary NO.:STL/R2407528-1 (Accepting the report of Zhejiang Academy of Science and Technology for Inspection and Quarantine). The rated Watt-hour of the battery assembly (PowerCube-20H-M7A200C5.015-EU-05) is 5.015MWh, which is more than 6200Wh. According to Section 38.3.3(g) standard requirements, the battery assembly does not need to be tested if it of a type that has been verified as preventing: (i) Overcharge; (ii) Short circuits; (iii) Over discharge between the batteries. The battery assembly has been verified, The UN 38.3 Test Report NO.:STL/R2407527-2. The UN 38.3 Test Summary NO.:STL/R2407527-1 (Accepting the report of Zhejiang Academy of Science and Technology for Inspection and Quarantine).
3	电池具有适当的防短路措施。 Cells and batteries are properly protected to prevent short circuits.
4	电池具有安全排气装置。 Cells and batteries incorporate a safety venting device.
5	电池具有防止反向电流造成危险所需的有效装置。 Cells and batteries are properly protected to prevent reverse currents.
6	本条目仅适用于安装在货物运输单元内，设计上仅用作该货物运输单元外接电源的锂离子电池组或锂金属电池组。锂电池应满足 2.9.4 (a) 至 (g) 的要求，并带有能和防止过度充电和各电池组之间过度放电的必要系统。 电池组应牢靠地固定于货物运输单元的内部结构物（例如设置在托架上或舱室内等等），须能在运输中正常发生的冲击、装卸和震动条件下防止短路、意外启动，以及相对于货物运输单元的较大位移。货物运输单元安全和正常运行所必要的危险品（例如灭火系统和空调系统），应牢靠固定或安装在货物运输单元内，不再另受本规章限制。非货物运输单元安全和正常运行所必需的危险品，不得装在货物运输单元内运输。 This entry only applies to lithium ion batteries or lithium metal batteries installed in a cargo transport unit and designed only to provide power external to the cargo transport unit. The lithium batteries shall meet the requirements of 2.9.4 (a) to (g) and contain the necessary systems to prevent overcharge and over discharge between the batteries . The batteries shall be securely attached to the interior structure of the cargo transport unit (e.g. by means of placement in racks, cabinets, etc.) in such a manner as to prevent short circuits, accidental operation, and significant movement relative to the cargo

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	transport unit under the shocks, loadings and vibrations normally incident to transport. Dangerous goods necessary for the safe and proper operation of the cargo transport unit (e.g. fire-extinguishing systems and air-conditioning systems), shall be properly secured to or installed in the cargo transport unit and are not otherwise subject to this Code. Dangerous goods not necessary for the safe and proper operation of the cargo transport unit shall not be transported within the cargo transport unit.
7	货物运输单元内的电池组没有标志或标签要求，货物运输单元应按照 TDG 5.3.2.1.2 的规定显示联合国编号，并按照 5.3.1.1.2 的规定在相对的两侧挂菱形标志牌。 The batteries inside the cargo transport unit are not subject to marking or labelling requirements. The cargo transport unit shall display the UN number in accordance with TDG 5.3.2.1.2 and be placarded on two opposing sides in accordance with 5.3.1.1.2.
8	集装箱通过英国劳氏船级社（中国）有限公司认证，CSC 安全公约批准号为 GB-LR 28301-06/2024。（采信英国劳氏船级社（中国）有限公司集装箱证书，证书编号 NO.SHI2481720）。 The containers have been certified by Lloyd's Register of Classification Society (China) Co., Ltd. The CSC approval number is GB-LR 28301-06/2024. (Accepting the certificate of Lloyd's Register of Classification Society (China) Co., Ltd, NO. SHI2481720).

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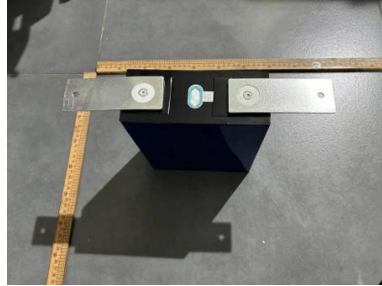
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样品照片

Sample Photos

内部电芯/Inner Cell



模组/Module

(锂离子电池模块 HM7A200L / 166.4V
314Ah 52.249kWh)

铭牌/ Nameplate



集成电池组/Assembled Battery

(锂离子电池系统 PowerCube-M7A-200-166.4/1331.2V-E15 /
1331.2V 314Ah 417.9kWh)



铭牌/ Nameplate

(锂离子电池系统 PowerCube-M7A-200-166.4/1331.2V-E15)

PYLONTECH							
Rechargeable Li-Ion Battery System							
Name	Type	Nominal Voltage/Recommended Voltage Range	Battery Designation	Rated Power	Rated Energy		
C1	PowerCube-M7A-200-166.4/166.4V-E15	166.4V/165.2~167.2V	IPpP73/176/208(S25)153MJ-20+50/95	26.9kW	52.2kWh		
C2	PowerCube-M7A-200-166.4/332.8V-E15	332.8V/320.4~374.4V	IPpP73/176/208(S25)253MJ-20+50/95	52.2kW	104.4kWh		
C3	PowerCube-M7A-200-166.4/499.2V-E15	499.2V/405.6~561.6V	IPpP73/176/208(S25)353MJ-20+50/95	78.3kW	156.7kWh		
C4	PowerCube-M7A-200-166.4/665.6V-E15	665.6V/540.8~748.8V	IPpP73/176/208(S25)453MJ-20+50/95	104.4kW	208.8kWh		
C5	PowerCube-M7A-200-166.4/832.0V-E15	832.0V/709~900V	IPpP73/176/208(S25)553MJ-20+50/95	130.6kW	261.2kWh		
C6	PowerCube-M7A-200-166.4/998.4V-E15	998.4V/871~1123.2V	IPpP73/176/208(S25)653MJ-20+50/95	156.7kW	313.4kWh		
C7	PowerCube-M7A-200-166.4/1164.8V-E15	1164.8V/994.4~1394.4V	IPpP73/176/208(S25)753MJ-20+50/95	182.8kW	365.7kWh		
C8	PowerCube-M7A-200-166.4/1331.2V-E15	1331.2V/1088.6~1487.6V	IPpP73/176/208(S25)853MJ-20+50/95	208.8kW	417.9kWh		
Rated Capacity		314Ah	IP Rating/ Protection Class	IP20 / Class I			
Max Input Current		200A	Max Short Circuit Current/Duration	13.6kA/2ms			
Chemistry		LiFePO4/LFP6/Graphite	Critical raw Materials	Li<0.1%			
Usable Extinguishing Agent		A/B/C/F	Hazardous Substances				
Date of Manufacture							
SN: r							
Pylon Technologies Co., Ltd www.pylontech.com.cn Address: No.300, Miaogao Road, Kangqiao Town, Pudong New Area, Shanghai 201315, China The place of manufacture: Intersection of Daqianshan Road and Gaocheng Road, Economic Development Zone, Feixi County, Hefei 231209, Anhui Province, China							

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集成电池组/Assembled Battery
(储能电池系统 PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh)



铭牌/ Nameplate
(储能电池系统 PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh)



报告结束



No: TCH24025796-2



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危险品

样品名称：储能电池系统 PowerCube-20H-M7A200C5.015-EU-05
1331.2V 3768Ah 5.015MWh

Sample Name: Lithium Iron Phosphate Battery Energy Storage System

PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh

委托单位：上海派能能源科技股份有限公司

生产单位：安徽派能能源科技有限公司

杭州海关技术中心

Technology Center of Hangzhou Customs District

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样品名称 Sample Name	中文 Chinese	储能电池系统 PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh					
	英文 English	Lithium Iron Phosphate Battery Energy Storage System PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh					
委托单位 Consignor		上海派能能源科技股份有限公司					
生产单位 Manufacturer		安徽派能能源科技有限公司					
样品描述 Sample Description		该样品为集成电池组，外观为白色棱柱形，由 12 个锂离子电池模组 PowerCube-M7A-200-166.4/1331.2V-E15 组成。集成电池组 PowerCube-M7A-200-166.4/1331.2V-E15 外观为白色与黑色棱柱形，由 8 个锂离子电池模组 HM7A200L 组成。锂离子电池组 HM7A200L 外观为黑色棱柱形。					
主要成分 Main Ingredients		—					
检验依据 Test Method		《国际海运危规》2022 年版					
鉴定日期 Verification Data		2024-09-29-2024-10-14					
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） (mm)/Size (L*W*H)(mm)	放置方式 Placement	数量 Quantity
1	集成电池组， 内含 12 并 416 串共 4992 个 电芯	PowerCube-20H- M7A200C5.015-EU-05	1331.2V 3768Ah 5.015MWh	42T	6058*2438*2896	单独运输	1
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 3536			
		正式运输名称 Shipping Name		装在货运装置中的锂电池组 LITHIUM BATTERIES INSTALLED IN CARGO TRANSPORT UNIT			
		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			
		3.包装要求（Packaging requirements） 按 UN 3536 要求办理。 Suggestion according to UN 3536.					

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备注 Comment	检测结果仅对送检样品有效。 The test results are only valid for the test samples submitted the applicant.
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批准: 万旺军

审核: 诸静

主检: 王斯斯

签发日期: 2024-10-14

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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.
加压气体危险性鉴定 Identification of Hazard for Gases under Pressure	该货物不属于加压气体。 The product is not classified in gases under pressure.
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	该货物无腐蚀性。 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	本报告所述锂电池按照《国际海运危规》2022 年版（以下简称 IMDG code 2022 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 2022 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。 样品为型号 PowerCube-20H-M7A200C5.015-EU-05 的电池系统，是锂离子电池组 HM7A200L 的集合体。 电池模组（HM7A200L）已通过 UN38.3 相应测试，采信浙江省检验检疫科学技术研究院报告，报告编号为 NO.: STL/R2406935-2R1、NO.: STL/R2406934-2R1，采信常州华阳检验检测技术有限公司报告，报告编号 NO.HYJCM202408018。 UN 38.3 试验概要编号 NO.: STL/R2406935-1R1，NO.: STL/R2406934-1R1。（采信浙江省检验检疫科学技术研究院）。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电保护装置电池组或设备的部件。 集合电池组 PowerCube-M7A-200-166.4/1331.2V-E15 额定瓦时为 417.9kWh，大于 6200Wh。根据 38.3.3(g) 条款要求，集合电池组经过验证可防止下列状况，即无需进行试验: (一)过度充电； (二)短路； (三)电池组之间过度放电。集合电池组已通过验证，采信浙江省检验检疫科学技术研究院报告，报告编号为 NO.:STL/R2407528-2。 UN 38.3 试验概要编号 NO.:STL/R2407528-1。 集合电池组 PowerCube-20H-M7A200C5.015-EU-05 额定瓦时为 5.015MWh，大于 6200Wh。根据 38.3.3(g) 条款要求，集合电池组经过验证可防止下列状况，即无需进行试验: (一)过度充电； (二)短路； (三)电池组之间过度放电。集合电池组已通过验证，采信浙江省检验检疫科学技术研究院报告，报告编号为 NO.:STL/R2407527-2。 UN 38.3 试验概要编号 NO.:STL/R2407527-1。 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. The sample is a battery system with type PowerCube-20H-M7A200C5.015-EU-05, a collection of battery modules with type HM7A200L. The battery modules (HM7A200L) have passed UN 38.3 each applicable testing. The UN 38.3 Test Report NO.: STL/R2406935-2R1, NO.: STL/R2406934-2R1, accepting the report of Zhejiang Academy of Science and Technology for Inspection and Quarantine, Report NO.HYJCM202408018, accepting the report of Changzhou Huayang Inspection and Testing Technology Co., Ltd. The battery modules do not equipped with battery

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	overcharge protection, are only designed as a component in another battery or equipment which affords such protection. The UN 38.3 Test Summary NO.: STL/R2406935-1R1, NO.: STL/R2406934-1R1 (Accepting the report of Zhejiang Academy of Science and Technology for Inspection and Quarantine). The rated Watt-hour of the battery assembly (PowerCube-M7A-200-166.4/1331.2V-E15) is 417.9kWh, which is more than 6200Wh. According to Section 38.3.3(g) standard requirements, the battery assembly does not need to be tested if it of a type that has been verified as preventing: (i) Overcharge; (ii) Short circuits; (iii) Over discharge between the batteries. The battery assembly has been verified, The UN 38.3 Test Report NO.:STL/R2407528-2. The UN 38.3 Test Summary NO.:STL/R2407528-1 (Accepting the report of Zhejiang Academy of Science and Technology for Inspection and Quarantine). The rated Watt-hour of the battery assembly (PowerCube-20H-M7A200C5.015-EU-05) is 5.015MWh, which is more than 6200Wh. According to Section 38.3.3(g) standard requirements, the battery assembly does not need to be tested if it of a type that has been verified as preventing: (i) Overcharge; (ii) Short circuits; (iii) Over discharge between the batteries. The battery assembly has been verified, The UN 38.3 Test Report NO.:STL/R2407527-2. The UN 38.3 Test Summary NO.:STL/R2407527-1 (Accepting the report of Zhejiang Academy of Science and Technology for Inspection and Quarantine).
3	电池具有适当的防短路措施。 Cells and batteries are properly protected to prevent short circuits.
4	电池具有安全排气装置。 Cells and batteries incorporate a safety venting device.
5	电池具有防止反向电流造成危险所需的有效装置。 Cells and batteries are properly protected to prevent reverse currents.
6	本条目仅适用于安装在货物运输单元内，设计上仅用作该货物运输单元外接电源的锂离子电池组或锂金属电池组。锂电池应满足 2.9.4 (a) 至 (g) 的要求，并带有能和防止过度充电和各电池组之间过度放电的必要系统。 电池组应牢靠地固定于货物运输单元的内部结构物（例如设置在托架上或舱室内等等），须能在运输中正常发生的冲击、装卸和震动条件下防止短路、意外启动，以及相对于货物运输单元的较大位移。货物运输单元安全和正常运行所必要的危险品（例如灭火系统和空调系统），应牢靠固定或安装在货物运输单元内，不再另受本规章限制。非货物运输单元安全和正常运行所必需的危险品，不得装在货物运输单元内运输。 This entry only applies to lithium ion batteries or lithium metal batteries installed in a cargo transport unit and designed only to provide power external to the cargo transport unit. The lithium batteries shall meet the requirements of 2.9.4 (a) to (g) and contain the necessary systems to prevent overcharge and over discharge between the batteries . The batteries shall be securely attached to the interior structure of the cargo transport unit (e.g. by means of placement in racks, cabinets, etc.) in such a manner as to prevent short circuits, accidental operation, and significant movement relative to the cargo

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	transport unit under the shocks, loadings and vibrations normally incident to transport. Dangerous goods necessary for the safe and proper operation of the cargo transport unit (e.g. fire-extinguishing systems and air-conditioning systems), shall be properly secured to or installed in the cargo transport unit and are not otherwise subject to this Code. Dangerous goods not necessary for the safe and proper operation of the cargo transport unit shall not be transported within the cargo transport unit.
7	货物运输单元内的电池组没有标志或标签要求，货物运输单元应按照 IMDG Code 5.3.2.1.2 的规定显示联合国编号，并按照 5.3.1.1.2 的规定在相对的两侧挂菱形标志牌。 The batteries inside the cargo transport unit are not subject to marking or labelling requirements. The cargo transport unit shall display the UN number in accordance with IMDG Code 5.3.2.1.2 and be placarded on two opposing sides in accordance with 5.3.1.1.2.
8	集装箱通过英国劳氏船级社（中国）有限公司认证，CSC 安全公约批准号为 GB-LR 28301-06/2024。（采信英国劳氏船级社（中国）有限公司集装箱证书，证书编号 NO.SHI2481720）。 The containers have been certified by Lloyd's Register of Classification Society (China) Co., Ltd. The CSC approval number is GB-LR 28301-06/2024. (Accepting the certificate of Lloyd's Register of Classification Society (China) Co., Ltd, NO. SHI2481720).
9	EmS 编号: F-A, S-I。 EmS No.: F-A, S-I.

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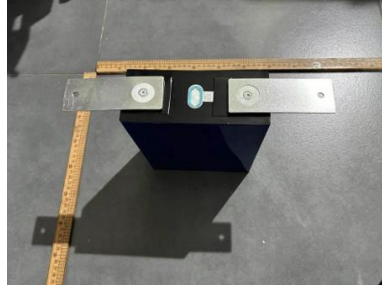
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样品照片

Sample Photos

内部电芯/Inner Cell



模组/Module

(锂离子电池模块 HM7A200L / 166.4V
314Ah 52.249kWh)

铭牌/ Nameplate



集成电池组/Assembled Battery

(锂离子电池系统 PowerCube-M7A-200-166.4/1331.2V-E15 /
1331.2V 314Ah 417.9kWh)



铭牌/ Nameplate

(锂离子电池系统 PowerCube-M7A-200-166.4/1331.2V-E15)

PYLONTECH					
Rechargeable Li-Ion Battery System					
Name	Type	Nominal Voltage/Recommended Voltage Range	Battery Designation	Rated Power	Rated Energy
C1	PowerCube-M7A-200-166.4V/E15	166.4V/165.2~167.2V	IPpP73/176/208(S25)153MJ-20+50/95	26.9kW	52.2kWh
C2	PowerCube-M7A-200-166.4V/E15	332.8V/320.4~344.4V	IPpP73/176/208(S25)253MJ-20+50/95	52.2kW	104.4kWh
C3	PowerCube-M7A-200-166.4V/E15	499.2V/405.6~511.6V	IPpP73/176/208(S25)353MJ-20+50/95	78.3kW	156.7kWh
C4	PowerCube-M7A-200-166.4V/E15	665.6V/540.8~748.8V	IPpP73/176/208(S25)453MJ-20+50/95	104.4kW	208.8kWh
C5	PowerCube-M7A-200-166.4V/E15	832.0V/676~988.0V	IPpP73/176/208(S25)553MJ-20+50/95	130.6kW	261.2kWh
C6	PowerCube-M7A-200-166.4V/E15	998.4V/811.2~1123.2V	IPpP73/176/208(S25)653MJ-20+50/95	156.7kW	313.4kWh
C7	PowerCube-M7A-200-166.4V/E15	1164.8V/946.4~1310.4V	IPpP73/176/208(S25)753MJ-20+50/95	182.8kW	365.7kWh
C8	PowerCube-M7A-200-166.4V/E15	1331.2V/1064.8~1497.6V	IPpP73/176/208(S25)853MJ-20+50/95	208.9kW	417.9kWh
Rated Capacity		314Ah	IP Rating/ Protection Class	IP20 / Class I	
Max Input Current		200A	Max Short Circuit Current/Duration	13.6kA/2ms	
Chemistry		LiFePO4/LFP6/Graphite	Critical raw Materials	Li<0.1%	
Usable Extinguishing Agent		A/B/C/F	Hazardous Substances		
Date of Manufacture					
SN: r					
Pylon Technologies Co., Ltd www.pylontech.com.cn Address: No.300, Miaogao Road, Kangqiao Town, Pudong New Area, Shanghai 201315, China The place of manufacture: Intersection of Daqianshan Road and Gaocheng Road, Economic Development Zone, Fendi County, Hefei 231095, Anhui Province, China					

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集成电池组/Assembled Battery
(储能电池系统 PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh)



铭牌/ Nameplate
(储能电池系统 PowerCube-20H-M7A200C5.015-EU-05 1331.2V 3768Ah 5.015MWh)



报告结束

