

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Names: eShepherd eS1

Part numbers and descriptions:	G04080	ESHEPHERD NECKBAND ES1 LORA INT
	G040801	ESHEPHERD NECKBAND ES1 LORA EU/UK
	G040804	ESHEPHERD NECKBAND ES1 LORA FCC
	G04081	ESHEPHERD NECKBAND ES1 CELLULAR
	G040811	ESHEPHERD NECKBAND ES1 CELLULAR EU/UK
	G04080R	ESHEPHERD NECKBAND ES1 LORA INT RE
	G040804R	ESHEPHERD NECKBAND ES1 LORA NA FCC RE
	G04081R	ESHEPHERD NECKBAND ES1 CELLULAR RE
	2A99365	ESHEPHERD MODULE ES1 LORA
	2A99366	ESHEPHERD MODULE ES1 CELLULAR

Company Name: Gallagher Group Limited
Address: c/- Gallagher Group Ltd
Private Bag 3026, Waikato Mail Centre,
Hamilton 3240, New Zealand.

E-mail: <https://am.gallagher.com/en/Support/Contact-Us>

Emergency Phone: 0800 731 500

2. HAZARD INFORMATION

Gallagher Virtual Fencing neckband model eShepherd eS1 contain a photovoltaic solar panel and a lithium iron-phosphate battery (LFP).

Solar panels are not hazardous in normal use.

LFP batteries are not hazardous in normal use. LFP batteries are classified as Class 9 Dangerous Goods, Miscellaneous dangerous substances, and articles. The battery has passed the test items of *UN Model Regulations, Manual of Test and Criteria* Section 38.3.

LFP battery inside the neckband is not user replaceable. The LFP battery must be replaced by a trained professional using a Gallagher approved LFP battery. Return neckband to a Gallagher Authorised Service Centre for battery replacement.

For further information refer to the attached battery safety datasheet.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

For detailed information refer to the attached battery safety datasheet.

4. FIRST-AID MEASURES

The neckband and battery are not hazardous under normal conditions. But if neckband is damaged, then leaking of electrolyte inside the battery can occur.

Caution: Avoid contact and inhalation of the electrolyte contained inside the battery.

5. FIRE-FIGHTING MEASURES

Hazard: Burning plastic and battery may produce toxic and corrosive gases.

Fire Extinguisher: Small Fire; Dry chemical, CO₂, water spray or regular foam. Large Fire; Water spray, fog, or regular foam. A Lith-Ex Aerosol extinguisher [\[1\]](#) is recommended.

Protection for fire fighters: Use filter mask or isolated breathing apparatus and wear clothes which can defend from fire in the upwind direction.

For further information refer to the attached battery safety datasheet.

6. ACCIDENTAL RELEASE MEASURES

For further information refer to the attached battery safety datasheet.

7. HANDLING AND STORAGE

Handling

Keep away from fire. Do not throw into fire.

Handle with care.

Do not disassemble the neckband.

Storage

Keep away from fire and heating sources. The neckband should be stored in a cool, dry, and well-ventilated location (temperature: -20°C to 25°C , humidity 45% to 85%).

Charge the neckband once every 3 months by leaving it outside for 3 or more days.

Charge the neckband for 3 or more days before and after storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

For detailed information refer to the attached battery safety datasheet.

9. PHYSICAL AND CHEMICAL PROPERTIES

For detailed information refer to the attached battery safety datasheet.

10. STABILITY AND REACTIVITY

Conditions to avoid for LFP batteries: Heat above 90°C or incinerate. Deform, mutilate, crush, pierce, and disassemble.

For further information refer to the attached battery safety datasheet.

11. TOXICOLOGICAL INFORMATION

For further information refer to the attached battery safety datasheet.

12. ECOLOGICAL INFORMATION

When properly used or disposed, the Li-Ion batteries do not present environmental hazard.

For further information refer to the attached battery safety datasheet.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable regulations which vary from country to country.

Lithium-Ion batteries should have their terminals insulated, discharged completely (to 0.0V) and be preferably wrapped in plastic bags prior to disposal.

Incineration: Incineration should never be performed by battery users but eventually by trained professionals in authorized facilities with proper gas and fumes treatment.

For further information refer to the attached battery safety datasheet.

14. TRANSPORT INFORMATION

In the case of transportation, avoid exposure to high temperature and prevent the formation of any condensation.

Prevent falling, dropping and breakage.

Prevent collapse of cargo piles and water damage.

The shipping and display carton must be handled carefully.

The transport of products containing LFP batteries is subject to international regulation which can differ if the products are transported by air, sea, or road. There are a range of fines for companies who do not comply with these regulations.

The LFP battery contained in the eShepherd neckband complies with the United Nations Model of Regulations, section 2.9.4. As recommended by section 2.9.4 (g), a test summary is attached as specified in the Manual of Tests and Criteria, part III, subsection 38.3.

The below Lithium Battery Handling Label is required for all packages being sent via either air, road, or ocean transport. UN3481 must be minimum 110mm in height and 120mm in width.



Transport by Air

The LFP battery contained inside the eShepherd neckband is offered under Packing Instruction: Section II of PI967: lithium-ion batteries contained in equipment.

Maximum Number of neckbands per package: 2 (1 battery per neckband).

UN Manual of Tests and Criteria (Section 38.3). A Test Summary is attached as per the recommendations of section 38.3.

Transport by Sea

The LFP battery contained inside the eShepherd neckband complies with International Maritime Dangerous Goods (IMDG) Code (2025 Edition) under Special Provision 188.

According to Special Provision 188, the neckband is not restricted to the IMDG code.

LFP Battery Wh Rating: 38.4Wh.

15. REGULATORY INFORMATION

The cells used in the LFP batteries were tested to the following standards:

- IEC62133-2: 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
- UL1642: Standard for Lithium Batteries.

eShepherd has been tested to selective clauses of IEC60335-2-76 edition 3.0: Household and similar electrical appliances - Safety - Part 2-76: Particular requirements for electric fence energizers.

16. VERSION HISTORY

V0.0	Initial Draft
V1.0	Updated new model part numbers
V2.0	Updated new model part numbers
V3.0	Updated new model part numbers
V4.0	Updated battery MSDS and UN38.3 test summary

锂电池/钠离子电池 UN38.3 试验概要 Test Summary

项目编号: SEKSZ202501070044

单位信息 Company Information					
委托单位 Consignor	深圳市雷欧电源实业有限公司/ SHENZHEN MOTOMA POWER CO., LTD. 深圳市南山区桃源街道红花岭工业区第5区A栋3楼321室/ NO.321, 3/F, BUILDING A, 5TH.ZONE HONGHUALING INDUSTRIAL ZONE, TAOYUAN ROAD, NANSHAN, SHENZHEN				
生产单位 Manufacturer	深圳市雷欧电源实业有限公司/ SHENZHEN MOTOMA POWER CO., LTD. 深圳市南山区桃源街道红花岭工业区第5区A栋3楼321室/ NO.321, 3/F, BUILDING A, 5TH.ZONE HONGHUALING INDUSTRIAL ZONE, TAOYUAN ROAD, NANSHAN, SHENZHEN 电话/Tel: +86-755-83736206 邮箱/Mail: P2@motoma.com				
测试单位 Test Lab	广东联鼎标准技术服务有限公司 / GDUTL STANDARD CO., LTD 广东省东莞市南城街道雅园富园街3号 / No.3, Yayuan Fuyuan Street, Nancheng District, Dongguan, Guangdong, China 电话/Tel: 86-769-3893 3228 邮箱/Mail: utl@gdutl.com 网址/Website: www.gdutl.com				
电池信息 Battery Information					
名称 Name	锂离子 Li-ion Battery	电池/电芯类别 Battery/Cell Classification	锂离子 Li-ion Battery		
型号 Type	LFP32700	商标 Trademark	MOTOMA		
额定电压 Normal Voltage	3.2V	额定容量 Rated Capacity	12Ah		
额定能量 Watt-hour rating	38.4Wh	外观/Appearance	蓝色近长方体 Approximate Blue Cuboid		
质量/Mass	288.5g	锂含量/Li Content	不适用 N/A		
测试信息 Test Information					
测试报告编号 Test Report Number	US10002200 02002	测试报告签发日期 Date of Test Report	2025-01-03		
测试标准 Edition of UN Manual of Tests and Criteria Used	联合国《试验和标准手册》(第8版) 38.3 节 UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.8/Subsection 38.3				
T.1: 高度模拟 Altitude Simulation	通过 Pass	T.2: 温度试验 Thermal Test	通过 Pass	T.3: 振动 Vibration	通过 Pass
T.4: 冲击 Shock	通过 Pass	T.5: 外部短路 External Short Circuit	通过 Pass	T.6: 撞击/挤压 Impact/Crush	通过 Pass
T.7: 过度充电 Overcharge	通过 Pass	T.8: 强制放电 Forced Discharge	通过 Pass		
UN38.3.3.1(f)或/or UN38.3.3.2(d)	不适用 N/A		UN38.3.3.1(g)或/or UN38.3.3.2(e) 不适用 N/A		
签名 Signatory			签发日期 Issued Date	2025.01.10	
职务 Title	检验员				

此报告类别专用章



报告编号/
Report No.: US10002200 02011

材料安全数据表

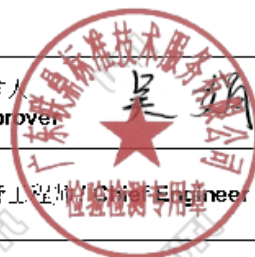
Material Safety Data Sheet

产品名称: 锂离子电池
Name of Products: Li-ion Battery

委托单位: 深圳市雷欧电源实业有限公司
Applicant: SHENZHEN MOTOMA POWER CO., LTD.

生产单位: 深圳市雷欧电源实业有限公司
Factory: SHENZHEN MOTOMA POWER CO., LTD.

检测人 Tester	文韵纯	审核人 Reviewer	吴顺娣	批准人 Approver	吴顺娣
项目工程师 / Project Engineer		项目工程师 / Project Engineer		主管工程师 / Chief Engineer	



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GDUTL STANDARD CO., LTD.



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2. Composition Information (成分/組成信息)

化学成分 Chemical Composition	化学式 Chemical Formula	重量百分比 Weight (%)	CAS编号 CAS Number
磷酸铁锂/ Lithium Iron Phosphate	LiFePO ₄	38.4	15365-14-7
石墨/ Graphite	C ₂₄ X ₁₂	15	7782-42-5
铝/ Aluminium	Al	13	7429-90-5
铜/ Copper	Cu	9	7440-50-8
碳酸乙烯酯/ Ethylene Carbonate	C ₃ H ₄ O ₃	6.8	96-49-1
聚偏氟乙烯/ Polyvinylidene Fluoride (PVDF)	(CH ₂ -CF ₂) _n	6	24937-79-9
碳酸二甲酯/ Dimethyl Carbonate	C ₃ H ₆ O ₃	5.2	616-38-6
聚乙烯/ Polypropylene	(C ₂ H ₄) _n	4.2	9002-88-4
六氟磷酸锂/ Lithium Hexafluorophosphate	LiPF ₆	2.4	21324-40-3

3. Hazards Identification (危险性概述)

爆炸危险性 Explosive risk	该物品不属于爆炸危险品 This article does not belong to the explosion dangerous goods
易燃危险性 Flammable risk	该物品不属于易燃危险品 This article does not belong to the flammable material
氧化危险性 Oxidation risk	该物品不属于氧化危险品 This article does not belong to the oxidation of dangerous goods
毒害危险性 Toxic risk	该物品不属于毒害危险品 This article does not belong to the toxic dangerous goods
放射危险性 Radioactive risk	该物品不属于放射危险品 This article does not belong to the radiation of dangerous goods
腐蚀危险性 Mordant risk	该物品不属于腐蚀危险品 This article does not belong to the corrosion of dangerous goods
其他危险性 other risk	该电池瓦时率为38.4Wh, 属于锂离子电池(包括锂离子聚合物电池) Watt hour rate 38.4Wh, which belong to the Lithium ion batteries (including lithium ion polymer batteries)



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4. First aid measures (急救措施)

眼睛:

万一接触, 立即用大量的清水冲洗至少15分钟, 翻起上下眼睑, 直到化学的残留物消失为止, 迅速就医。

Eye

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

皮肤:

万一接触, 用大量水冲洗至少15分钟, 同时除去污染的衣物和鞋子, 迅速就医。

Skin

Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.

吸入:

立即从暴露处移至空气清新处, 如果呼吸困难给予输氧, 立即就医。

Inhalation

Remove from exposure and move to fresh air immediately. Use oxygen if available.

食入:

饮用两杯牛奶或水。如果当事人仍然清醒可以采取催吐的方法, 并且立即就医。

Ingestion

Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.

5. Fire-fighting measures (消防措施)

燃点: 不适用

Flash Point: N/A.

自燃温度: 不适用

Auto-ignition Temperature: N/A.

灭火介质: 大量水(降温), 二氧化碳

Extinguishing Media: Water, CO2.

特殊灭火程序: 自给式呼吸器

Special Fire-Fighting Procedures: Self-contained breathing apparatus.

异常火灾或爆炸: 当电芯暴露于过热的环境中时, 安全阀可能会打开。

Unusual Fire and Explosion Hazards:

Cell may vent when subjected to excessive heat-exposing battery contents.

燃烧产生的危险物质: 一氧化碳, 二氧化碳, 锂氧化物烟气

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, lithium oxide fumes.



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1. Identification of the product and supplier (产品和厂商信息)	
样品名称 Name of goods	锂离子电池 Li-ion Battery
样品型号 Type/Model	LFP32700
规格 Rating	3.2V, 12Ah, 38.4Wh
委托单位 Commissioned by	深圳市雷欧电源实业有限公司 SHENZHEN MOTOMA POWER CO., LTD.
委托单位地址 Commissioner address	深圳市南山区桃源街道红花岭工业区第 区 栋 楼 室 NO.321, 3/F, BUILDING A, 5TH ZONE HONGHUALING INDUSTRIAL ZONE, TAOYUAN ROAD, NANSHAN, SHENZHEN
生产商 Manufacturer's name	深圳市雷欧电源实业有限公司 SHENZHEN MOTOMA POWER CO., LTD.
生产商地址 Manufacturer address	深圳市南山区桃源街道红花岭工业区第 区 栋 楼 室 NO.321, 3/F, BUILDING A, 5TH ZONE HONGHUALING INDUSTRIAL ZONE, TAOYUAN ROAD, NANSHAN, SHENZHEN
鉴定依据 Inspection according to	联合国《关于危险品货物运输的建议书》 UN "Recommendations on the TRANSPORT OF DANGEROUS GOODS"
紧急联系电话 Emergency telephone call	+86-755-83736206
接样日期 / Receiving date: 2024-12-16	生效日期 / Effective date: 2025-01-01



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6. Accidental release measures (泄漏应急处理)

为防止电池材料泄露或释放采取的措施

如果电池内部材料泄露，试验人员应立刻撤离试验区直到烟气消散。将通风设备打开吹散危险性气体。用抹布擦净试验区，消除溢出的液体，将泄露电池放进塑料袋中，然后放进钢制容器。避免皮肤和眼睛接触或吸入有害气体。

Steps to be Taken in case Material is Released or Spilled

If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. Wipe it up with a cloth, and dispose of it in a plastic bag and put into a steel can. The preferred response is to leave the area and allow the battery to cool and vapors to dissipate. Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerate.

废弃物处置方法

建议将电池完全放电，将废弃的电池统一上交于相关部门，所有废弃物必须参照联合国，国家，地方性法规进行处置。参照国家环保局或联邦EPA。

Waste Disposal Method

It is recommended to discharge the battery to the end, handing in the abandoned batteries to related department unified, dispose of the batteries in accordance with approved local, state, and federal requirements. Consult state environmental protection agency and/or federal EPA.

7. Handling and storage (操作处置和储存)

禁止打开、毁坏或焚烧电池，因为电池有可能在这些处理过程中发生爆炸、破裂或泄露等事故。

禁止将电池短路、过充、强制放电或扔入火中。禁止挤压刺穿电池或将电池浸入溶液中。

The battery should not be opened, destroyed or incinerate, since they may leak or rupture and release to the environment the ingredients that they contain in the hermetically sealed container.

Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire.

Do not crush or puncture the battery, or immerse in liquids.

操作处置和储存中的防范措施

禁止物理或电滥用，禁止高温储存，最好将电池储存在阴凉、干燥、通风及温度变化较小的环境中。

禁止将电池接触加热设备或将电池直接暴露与阳光中。

Precautions to be taken in handling and storing

Avoid mechanical or electrical abuse. Storage preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not place the battery near heating equipment, nor expose to direct sunlight for long periods.

其他需要注意的防范措施

拆解、挤压、直接放入火中或高温条件下，电池可能发生爆炸和燃烧。禁止短接或将电池正负极错误的安装在设备中。

Other Precautions

The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures.

Do not short or install with incorrect polarity.



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9. Physical and chemical properties (物理和化学特性)

外观: 近长方体

Appearance: Approximate Cuboid

气味: 泄漏时, 有醚的气味。

Odour: If leaking, smells of medical ether.

气味阈值: 不适用。

Odor Threshold: Not applicable.

酸碱性: 不适用。

pH: Not applicable.

熔点/冰点: 不适用。

Melting Point/freezing point: Not applicable.

起始沸点和沸腾范围: 不适用。

Initial boiling point and Boiling range: Not applicable.

闪点: 不适用。

Flash Point: Not applicable.

蒸发速率: 不适用。

Evaporation rate: Not applicable.

易燃性 (固态, 气态): 不适用。

Flammability (solid, gas): Not applicable.

上下易燃极限或爆炸极限: 不适用。

Upper/lower flammability or explosive limits: Not applicable.

蒸汽压力: 不适用。

Vapor Pressure: Not applicable.

蒸汽密度: 不适用。

Vapor Density: Not applicable.

相对密度: 不适用。

Relative density: Not applicable.

溶解性 (水溶性): 不适用。

Solubility (water): Not applicable.

溶解性 (其他): 不适用。

Solubility (other): Not applicable.

n-辛醇/水分配系数: 不适用。

n-octanol/water partition coefficient: Not applicable.

自燃温度: 不适用。

Auto-ignition temperature: Not applicable.

分解温度: 不适用。

Decomposition temperature: Not applicable.



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10. Stability and reactivity (稳定性和反应活性)

稳定性：产品在第7节所述的条件下稳定。

Stability: Product is stable under conditions described in Section 7.

应避免的条件：加热70°C以上或焚烧、变形、毁坏、粉碎、拆卸、过充电、短路。

长时间暴露在潮湿的条件下。

Conditions to avoid: Heat above 70°C or incinerate. Deform. Mutilate. Crush. Disassemble. Overcharge. Short circuit. Expose over a long period to humid conditions.

应避免的材料：氧化剂，碱，水。

Materials to avoid: Oxidising agents, alkalis, water.

危险分解物：有毒烟雾，并可能形成过氧化物。

Hazardous Decomposition Products: Toxic Fumes, and may form peroxides.

聚合危害：不适用

Hazardous Polymerization: N/A.

如果发生泄露，避免与强氧化剂，无机酸，强碱，卤代烃接触。

If leaked, forbidden to contact with strong oxidizers, mineral acids, strong alkalies, halogenated hydrocarbons.

11. Toxicological information (毒理性资料)

标志及症状：无，除非电池破裂。

Signs & symptoms: None, unless battery ruptures.

内部物质暴露的情况下，蒸汽烟雾可能对眼睛和皮肤的刺激性。

In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.

吸入：对肺有刺激性。

Inhalation: Lung irritant.

皮肤接触：对皮肤刺激性。

Skin contact: Skin irritant

眼睛接触：对眼睛有刺激性。

Eye contact: Eye irritant

食入：吞下中毒。

Ingestion: Poisoning if swallowed

下列情况下健康状况会恶化：万一发生与电池内部材料接触的事故，轻微或严重的刺激，都可能使皮肤出现干燥和灼烧的感觉，并且损坏靶器官（肝脏，肾脏）的神经。

Medical conditions generally aggravated by exposure: In the event of exposure to internal contents, moderate to severe irritation, burning and dryness of the skin may occur, Target organs nerves, liver and kidneys.



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12. Ecological information (生态学资料)

对哺乳动物的影响: 目前未知。

Mammalian effects: None known at present.

生态毒性: 目前未知。

Eco-toxicity: None known at present.

生物体内积累: 慢慢地生物降解。

Bioaccumulation potential: Slowly Bio-degradable.

环境危害: 目前没有已知的环境危害。

Environmental fate: None known environmental hazards at present.

13. Disposal consideration (废弃处置)

不要焚烧, 或使电池温度超过70°C。这种滥用可导致泄漏和/或电池爆炸。按照相应的地方性法规处理。

Do not incinerate, or subject cells to temperature in excess of 70°C. Such abuse can result in loss of seal leakage, and/or cell explosion. Dispose of in accordance with appropriate local regulations.

14. Transport information (运输信息)

运输标签: 电池操作标签

Label for conveyance: Battery Mark.

UN编号: UN3480 或 UN3481

UN Number: UN3480 or UN3481

包装等级: 不适用

Packing Group: N/A.

EmS编号: F-A, S-I

EmS No: F-A, S-I

海洋污染物: 无

Marine pollutant: No

正确的转运名称: 1) 锂离子电池; 2) 锂离子电池伴随设备包装在一起; 3) 锂离子电池装在设备中 (包括锂离子聚合物电池)。

Proper Shipping name: 1) Lithium ion batteries; 2) Lithium ion batteries packed with equipment; 3) Lithium ion batteries contained in equipment. (including Lithium ion polymer batteries)

危险分类: 货物应遵守IATA第66版DGR手册包装说明965-967第II节(或者IB节)规定(2025年版), 和特殊规定188海运危险货物规则(Amdt. 42-24)2024版, 包括通过UN38.3测试手册要求。

Hazard Classification: The goods shall be complied with the requirements of Section II (or Section IB) of Packing Instructions 965-967 of 66th DGR Manual of IATA (2025 Edition) and Special Provision 188 of MDG CODE (Amdt. 42-24) 2024 Edition, including the passing of the UN38.3 test.

在其场址内外进行运输或传递时, 用户需要了解或需要遵守的特殊预防措施: 无其它信息。

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises: No further information.



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15. Regulation information (法规信息)

法律信息

Law information

- 《危险物品规则》
- 《Dangerous Goods Regulations》
- 《对危险货物运输的有关规定的建议》
- 《Recommendations on the Transport of Dangerous Goods Model Regulations》
- 《国际海运危险货物规则》
- 《International Maritime Dangerous Goods》
- 《危险品安全运输技术指令》
- 《Technical Instructions for the Safe Transport of Dangerous Goods》
- 《危险货物分类和品名编号》
- 《Classification and code of dangerous goods》
- 《职业安全卫生法》
- 《Occupational Safety and Health Act》 (OSHA)
- 《有毒物质控制法》
- 《Toxic Substance Control Act》 (TSCA)
- 《消费产品安全法》
- 《Consumer Product Safety Act》 (CPSA)
- 《联邦环境污染控制法》
- 《Federal Environmental Pollution Control Act》 (FEPCA)
- 《石油污染法案》
- 《The Oil Pollution Act》 (OPA)
- 《超级基金修正案和再授权法案III(302/311/312/313)》
- 《Superfund Amendments and Reauthorization Act TitleIII (302/311/312/313)》 (SARA)
- 《资源保护及恢复法案》
- 《Resource Conservation and Recovery Act》 (RCRA)
- 《安全饮用水法》
- 《Safety Drinking Water Act》 (CWA)
- 《加州65提案》
- 《California Proposition 65》
- 《美国联邦法规》
- 《Code of Federal Regulations》 (CFR)

根据所有联邦、州和地方法律。

In accordance with all Federal, State and local laws.

16. Other information (其他信息)

本文件仅对由委托方深圳市雷欧电源实业有限公司提供的，并由深圳市雷欧电源实业有限公司生产的电池(LFP32700)有效。该电池的成分信息由委托方提供并承诺其完整性和准确性。用户应仔细阅读此文件，并按照正确的方法使用电池，如因电池使用不当造成的损害或损失，广东联鼎标准技术服务有限公司(GDUTL)不承担任何责任。

This file is only effective to the batteries (LFP32700) provided by SHENZHEN MOTOMA POWER CO., LTD. which manufactured by SHENZHEN MOTOMA POWER CO., LTD. The commissioner provides the composition information of batteries, and promises its integrity and accuracy. Users should read this file carefully, and use the batteries in correct method. GDUTL STANDARD CO., LTD. (GDUTL) doesn't assume responsibility for any damage or loss because of misuse of batteries.



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8. Exposure controls/personal protection (接触控制/个人防护)

呼吸防护

当电池排气阀打开时，应尽量使通风设备开至最大，避免将打开排气阀的电芯局限在某一狭窄空间内。正常操作条件下，呼吸保护是不必要的。

Respiratory Protection

In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores. Respiratory Protection is not necessary under conditions of normal use.

通风条件

正常使用条件下不需要。

Ventilation

Not necessary under conditions of normal use.

防护手套

正常使用条件下不需要。

Protective Gloves

Not necessary under conditions of normal use.

其他防护服或设备

正常使用条件下不需要。

Other Protective Clothing or Equipment

Not necessary under conditions of normal use.

电池开阀试验时应做好个人防护

呼吸防护，防护手套，防护服装和有护边的安全玻璃罩都是要准备的。

Personal Protection is recommended for venting battery

Respiratory Protection, Protective Gloves, Protective Clothing and safety glass with side shields.



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Photos 照片



Figure 1 Overall view I of battery (电池外观图I)

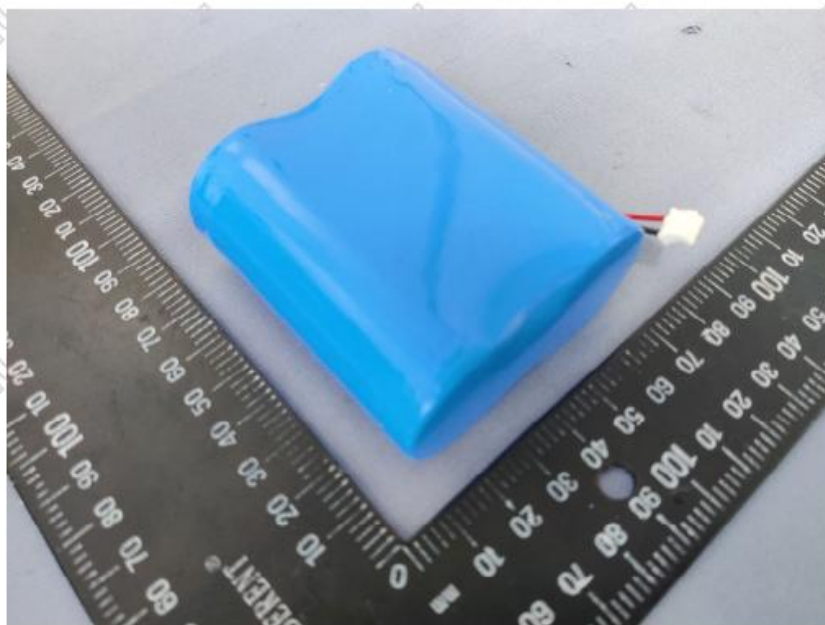


Figure 2 Overall view II of battery (电池外观图II)



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Photos 照片



Figure 3 Overall view of cell (电芯图)



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The test report is invalid without the signatures of Approver, Reviewer and Tester.
3. 本报告涂改无效。
The test report is invalid if altered.
4. 对检验报告若有异议，应于收到报告之日起十五天内向检验单位提出。
Objections to the test report must be submitted to GDUTL within 15 days.
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The test report is valid for the tested samples only.
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