

Prepared according to 29CFR 1910.1200, Regulation (EC) No. 1272/2008 (GHS) and Canadian Hazardous Product Regulation

**SDS EXEMPTION NOTICE:**

The battery powered products, and the batteries they contain, covered in this document are exempt articles and are not subject to the OSHA Hazard Communication Standard requirement. This sheet is provided as a service to our customers.

Safety Data Sheets (SDS) are a sub-requirement of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200. This Hazard Communication Standard does not apply to various subcategories including anything defined by OSHA as an "article." OSHA has defined "article" as a manufactured item other than a fluid or particle; (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g. minute or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees.

Because all of our battery powered products and the batteries they contain are defined as "articles", they are exempt from the requirements of the Hazard Communication Standard; hence an OSHA SDS in accordance with the Global Harmonized System (GHS) is not required.

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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** SOL Venture Light 2600**HMIS Hazard Rating**

Health	Not Applicable
Flamability	Not Applicable
Reactivity	Not Applicable
Personal Protection	Not Applicable

**SYNONYMS:**

<u>Item Number</u>	<u>Item Name</u>
0140-1306	SOL Venture Light 2600 Recharge with Power Bank

**SDS Date:** March 16, 2021**SDS Revision No.:** 0**USE:** Lantern, battery-powered.**MANUFACTURER:** Adventure Ready Brands**ADDRESS:** 944 Industrial Park Rd  
Littleton, NH 03561**INFORMATION CALLS:** 800-258-4696**E-Mail:** cs@adventurereadybrands.com**FAX PHONE:** 603-444-6735**EMERGENCY PHONE:** Spills:(800) 354-2382 (Veolia)  
Medical Information:(800) 258-4696 (Adventure Ready Brands)

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**SECTION 2: HAZARDS IDENTIFICATION**

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**CAUTION: LITHIUM BATTERIES INSIDE.** This equipment contains one (1) Secondary (Rechargeable) Lithium Ion battery. The battery is sealed in the equipment and cannot be removed or replaced unless the equipment is damaged or abused. Do not damage or mishandle the packages. If package is damaged, flammability hazard may exist; equipment must be quarantined, inspected, and repacked.

**CAUTION:** Batteries inside the equipment can explode or leak if heated, disassembled, shorted, recharged incorrectly, exposed to fire or high temperature or reinstalled incorrectly. Do not remove batteries from equipment. Do not carry batteries loose in your pocket or purse. Keep this equipment and the batteries contained inside away from children. If swallowed, consult a physician at once. Under certain misuse conditions and by abusively opening the battery, exposed lithium can react with water or moisture in the air causing potential thermal burns or fire.

**Physical Appearance:** The equipment contains a small rectangular shaped or cylindrical shaped battery pack. The battery and its contents present the hazard. The battery is sealed inside the equipment and can only be removed if the equipment is damaged or abused. The battery is not replaceable and should never be removed from the equipment.

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**Battery Description:**

0140-1305 SOL Venture Light 26000

Battery Model: ICR18650-2600mAh

Type: Lithium Ion Battery      Rated Capacity: 2600 mAh      Nominal Voltage: 3.7 V

Watt-hours (Wh) = 2600 mAh x (1 A/1000 mA) x 3.7 V = 9.62 Wh

Equivalent Lithium Content = 2600 mAh x (1 A/1000 mA) x 0.3 gram/Ah = 0.78 gram

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 4: FIRST AID MEASURES**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 5: FIRE-FIGHTING MEASURES**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 7: HANDLING AND STORAGE**

**WARNING:**

Do not look directly into LED light for more than a few seconds. Do not allow children to use LED light unless under supervision of an adult.

**CAUTION:**

Do not allow light to get wet or immerse in water.

**CAUTION: CONTAINS RECHARGEABLE LITHIUM-ION BATTERY.**

Do not crush, puncture, disassemble, heat above 120°F (50°C), or put in fire. Do not short circuit or modify. Misuse can cause fire, explosion, and personal injury.

Battery is NOT replaceable. Dispose of or recycle properly in accordance with local regulations.

**USE ONLY AS DIRECTED. REFER TO THE INSTRUCTIONS, WARNINGS, AND PRECAUTIONS ON THE PACKAGE AND/OR IN THE USER'S MANUAL.**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 10: STABILITY AND REACTIVITY**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

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**SECTION 12: ECOLOGICAL INFORMATION**

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Follow local, state, and federal regulations covering the recycling and/or disposal of electronic devices containing lithium-ion batteries.

REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.

**SECTION 14: TRANSPORT INFORMATION**
**SHIPPING INFORMATION:**
**Marine Pollutant: \*\*See Below**

Regulation	UN No.	Proper Shipping Name	Class	Package Group	Additional Information
U.S. Department of Transportation (DOT)	UN3481	Lithium Ion Batteries Contained in Equipment	9	--	Excepted from requirements. See Note 1.
Canadian Transportation of Dangerous Goods (TDG)	UN3481	Lithium Ion Batteries Contained in Equipment	9	--	Excepted from requirements. See Note 2.
International Maritime Dangerous Goods (IMDG)	UN3481	Lithium Ion Batteries Contained in Equipment	9	--	Excepted from requirements. See Note 3.
International Air Transport Assoc. (IATA)	UN3481	Lithium Ion Batteries Contained in Equipment	9	--	Excepted from requirements. See Note 4.

Note 1. When packaged and labeled in compliance with DOT Hazardous Material Regulation (HMR) 49 CFR 173.185(c) (< 20 Watt-hours for lithium ion cell; < 100 Watt-hours for lithium ion battery), this item is not subject to other requirements of the regulations. This exception applies to small lithium cells or batteries.

Note 2. When packaged and labeled in compliance with Canadian TDG Special Provision 34 (< 20 Watt-hours per cell; < 100 Watt-hours per battery), this item is not subject to other requirements of the regulations.

Note 3. When packaged and labeled in compliance with IMDG Code Special Provision 188 (< 20 Watt-hours per cell; < 100 Watt-hours per battery), this item is not subject to other requirements of the regulations.

Note 4. When packaged and labeled in compliance with IATA Dangerous Goods Regulation (DGR) Packing Instruction (PI) 967, Section II (< 20 Watt-hours per cell; < 100 Watt-hours per battery), this item is not subject to other requirements of the regulations.

Your selected ground, air, rail, or sea carrier may have additional documentation or pre-authorization requirements. Check with your selected carrier before shipping.

Each lithium cell or battery model contained in the equipment covered by this SDS has passed the applicable tests specified in UN Manual of Tests and Criteria, Part III, Subsection 38.3. See the UN 38.3 Test Summary (TS) attached.

The transportation regulations are cited according to international regulations and in the form applicable to the United States and Canada. Possible national deviations in other countries are not considered.

**\*\*REFER TO BATTERY MANUFACTURER'S MSDS, SDS, AND/OR PRODUCT INFORMATION SHEET ATTACHED.**

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS:**

This product is a manufactured article and, as such, does not require an SDS per the OSHA) Hazard Communication Standard, 29 CFR 1910.1200

**Compliance with FCC Regulations**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**U.S. STATE REGULATIONS:**

**California Proposition 65 Warning:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**States Right to Know:** Not applicable to articles.

**CANADIAN REGULATIONS:**

This product is a manufactured article and, as such, does not require an SDS per the Hazardous Product Act and the Hazardous Product Regulation (HPR).

**Industry Canada**

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

**EU REGULATIONS:**

This product is a manufactured article and, as such, does not require an SDS per Regulation (EC) No. 1272/2008 (GHS).

Directive 2011/65/EU on The Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) and its amendment Directive (EU) 2015/863.

Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE).

Directive 2014/30/EU on Electromagnetic Compatibility (EMC).

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**SECTION 16: OTHER INFORMATION**

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**REVISED SECTIONS OR REASON FOR REVISION:**

ORIGIN DATE: MARCH 16, 2021

**DISCLAIMER:** The information provided herein was believed to be accurate, to the best knowledge of Adventure Ready Brands, at the time of preparation from a compilation of sources believed to be reliable and is furnished without warranty, expressed or implied. It is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling, storage and use of this product and to determine the suitability of the product for its intended use. This data sheet relates only to the specific product listed and does not relate to use in combination or in any process with other materials.

## **Material Safety Data Sheet**

### **化学品安全技术说明书**

#### **Section 1 - Chemical Product and Company Identification**

##### **第一部分 化学品及企业标识**

**Product Name:** Li-ion Battery

产品名称: 锂离子电池

**Model/Type:** ICR18650 2600mAh 3.7V 9.62Wh

型号/类型: ICR18650 2600mAh 3.7V 9.62Wh

**Manufacturer:** ZHUHAI GREAT POWER ENERGY CO.,LTD.

生产企业名称: 珠海鹏辉能源有限公司

**Address:**XINQING TECHNOLOGY PARK, ZHUFENG AVENUE, JING AN TOWN, DOUMEN DISTRICT,  
ZHUHAI CITY, GUANGDONG PROVINCE

地址: 广东省珠海市斗门区井岸镇珠峰大道新青科技园

**Post Code:** 519100

邮编: 519100

**Tel:** 0756-6333555

电话: 0756-6333555

**Emergency Telephone:** 0756-6333555-1938

应急电话: 0756-6333555-1938

**Fax:** 0756-3922218

传真: 0756-3922218

**E-mail:** renzheng@great power.net

邮箱: renzheng@great power.net



# ZHUHAI GREAT POWER ENERGY CO.,LTD.

珠海鹏辉能源有限公司

MSDS-61th File No:GP20010213 2020-01-02

## Section 2-Hazards Identification

### 第二部分 危险性概述

#### Health Hazards (Acute and Chronic)

健康危害

These chemicals are contained in a sealed can .Risk of exposure occurs only if the battery is mechanically or electrically abused.Contact of electrolyte and extruded lithium with skin and eyes should avoided.

化学物质泄漏会产生危害。电池 机械性或电力性破损会产生接触性伤害。避免皮肤和眼睛接触电解液。

#### Sign/symptoms of Exposure

暴露症状

A shorted lithium battery can cause thermal and chemical burns upon contact with the skin.

短路的锂电池接触皮肤会产生电热性损伤。

## Section 3 -Composition/Information on Ingredient

### 第三部分 成分/组成信息

Chemical Composition 化学名称	Chemical Formula 分子式	CAS No: CAS 号:	Weight(%) 百分含量(%)	
Nickel cobalt manganese 镍钴锰酸锂	$LiNi_xCo_yMn_{1-x-y}O_2$	182442-95-1	47	
Graphite 石墨	C	7782-42-5	20.2	
Organic Electrolyte 有机电解液	碳酸乙烯酯(EC)	C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	96-49-1	3.35
	碳酸甲乙酯 (EMC)	C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>	623-53-0	0.785
	碳酸二乙酯 (DEC)	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	105-58-8	5.23
	碳酸丙烯酯(PC)	C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	108-32-7	1.785
	六氟磷酸锂 (LiPF <sub>6</sub> )	F <sub>6</sub> LiP	21324-40-3	1.35
Polypropylene 聚丙烯	C <sub>3</sub> H <sub>6</sub>	9003-07-0	1.2	
Copper 铜	Cu	7440-50-8	7.7	

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Aluminum 铝	Al	7429-90-5	4.6
Nickel 镍	Ni	7440-02-0	6.8

### Section 4-first Aid Measures

#### 第四部分 急救措施

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

眼睛接触：迅速用大量水冲洗 15 分钟以上，期间提起上下眼睑。速就医。

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

皮肤接触：除去附着衣物，用大量水冲洗 15 分钟。速就医。

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

吸入：移到通风片。如需要给予输氧。

**Ingestion:** give at least 2 glasses of milk or water.Induce vomiting unless patient is unconscious.call a physician.

食入：口服 2 杯牛奶或水。人员无意识下禁止催吐。速就医。

### Section 5 -Fire Fighting Measures

#### 第五部分 消防措施

**Flash point :** N/A

闪点：不涉及

**Auto-Ignition Temperature:** N/A

燃点：无资料

**Extinguishing Media :** Dry chemical,CO<sub>2</sub>.

灭火剂：干粉，CO<sub>2</sub>.

**Special Fire-Fighting Procedures**

灭火过程方法

**Self-contained breathing apparatus.**

配戴自主呼吸器

**Unusual Fire and Explosion Hazards**

燃爆危害

**Cell my vent when subjected excessive heat-exposing battery contents.**

过度加热会导致内含物溢出

**Hazardous Combustion Products**



燃烧产物

Carbon monoxide,carbon dioxide,lithium oxide fumes.

二氧化碳，一氧化碳、锂的金属氧化物，其他刺激性和毒性气体

## Section 6-Accidental Release Measures

### 第六部分 泄漏应急处理

Steps to be Taken in case Material is Released or Spilled

泄漏处理

If the battery material is released,remove personnel from area until fumes dissipate.

Provide maximum ventilation to clear out hazardous gases.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 batteries 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.

如电池发生破损并且电解液泄漏，疏散人员直到烟雾散尽。用布擦净，并装入袋子放入钢桶内。

如电池灼热，先远离现场，冷却电池，使蒸汽消散。充分通风。避免工眼睛接触蒸汽。

Waste Disposal Method

废弃物处理法

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.

电池应放电完全，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。

## Section 7 -Handling and Storage

### 第七部分 操作处置与存储

The batteries should not be opened,destroyed or incinerate,since they may leak or rupture and release to the environment the ingredients 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.

电池禁止拆开，损毁或焚烧，严禁破损流出电解液。需在密封容器内储存。

禁止短路，过充电、强制放电 或投入火中。

禁止挤压或刺穿电池。

禁止将电池放入液体中。



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### Precautions to be taken in handling and storing

操作和储存

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.

禁止机械或电力损伤电池。储存在干燥、凉爽、通风的环境中，避免温度化或高温。远离热源，避免长时间阳光照射。电池在拆开、挤压、遇火或高温情况下，会引起起火或爆炸，严禁短路或非正确操作。

### Other precautions

Batteries may explode or cause burns,if disassembled,crushed or exposed to fire or high temperatures.Do not short or install with incorrect polarity.

## **Section 8 - Exposure Controls,Personal Protection**

### 第八部分 接触控制/个体防护

#### Respiratory Protection

呼吸系统防护

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

如电池泄漏，需充分通风。

#### Ventilation

手防护

Not necessary under conditions of normal use.

正常使用下，不需要

#### Protective Gloves

个人防护

Not necessary under conditions of normal use.

正常使用下，不需要

#### Other protective clothing or Equipment

其他防护

Not necessary under conditions of normal use.

正常使用下，不需要

Personal protection is recommended for venting batteries : Respiratory Protection Protective Gloves,Protective Clothing and safety glass with side shields.

如电池发生泄漏，需佩戴呼吸器，防护手套，作业工作服，化学防护镜。



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### **Section 9 Physical and Chemical Properties**

#### **第九部分 理化特性**

**Nominal Voltage:** 3.7V

标称电压: 3.7V

**Rated Capacity:** 2600mAh

额定容量: 2600mAh

**Appearance Characters:** Solid batteries for the cylindrical tasteless

外观与性状: 圆柱形无味的固体电池。

### **Section 10 -Stability and Reactivity**

#### **第十部分 稳定性和反应活性**

**Stability:** Under normal use, good stability

稳定性: 正常使用下, 稳定性良好

**Conditions to Avoid:** Heating ,mechanical ,abuse and electrical abuse.

禁忌物: 高温、高热、机械或电力损伤

**Hazardous Decomposition Products:** N/A

热分解产物: N/A

**Hazardous Polymerization:** N/A

聚合产物: N/A

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

如果泄漏, 避免接触强氧化剂, 避免接触酸、碱、卤素。



### **Section 11- Toxicological information**

#### **第十一部分 毒理学资料**

Inhalation ,skin contact and eye contact are possible when the battery is opened,Exposure to internal contents,the corrosive fumes will be very irritation to skin ,eyes and mucous membranes.Overexposure can cause symptoms of non-fibrotic lung injury and membrane irritation.

当电池破损时, 吸入, 皮肤接触或眼睛接触可能产生刺激作用。刺激性蒸汽会损伤皮肤, 眼睛和呼吸粘膜。

### **Section 12 -Ecological information**

#### **第十二部分 生态学资料**

When promptly used or disposed the battery odes not present environmental hazard.

When disposed,keep away from water,rain and snow.

环境影响: 正确使用和处置电池不会对环境产生危害。

处置废弃时, 远离水源, 雨水和雪水。

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### Section 13 -Disposal Considerations

#### 第十三部分 废弃处置

#### APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

If batteries are still fully charged or only partially discharged ,they can be considered a reactive hazardous waste because of significant amount of uncreated or unconsumed lithium remaining in the spent battery.The batteries must be neutralized through an approved secondary treatment facility prior to disposal as a hazardous waste .Recycling of battery can be done in authorized facility ,through licensed waste carrier.

如果锂电池未完全放电 或只部分放电 的情况下，由于 部分未耗尽的锂存在于电池中，此电池视为具有一定危害的危险废弃物。必须通过经认可的其进行处理方可废弃。在相关法律法规下，电池可循环再利用。

### Sections 14 -Transport information

#### 第十四部分 运输信息

Note:Lithium batteries shipped as “Lithium batteries”, “Lithium batteries packed with equipment”,or “Lithium batteries contained in equipment”may not be classified as “Dangerous Goods”when shipped in accordance with”PI965-970 section II of IATA-DGR”or”special provision 188 of IMO-IMDG Code”

注意：按照国际航空运输协会（IATA）第 PI965-970 第 II 节的规定，作为“锂电池”，“设备包装的锂电池”或“设备中包含的锂电池”运输的锂电池可能不会被分类为“危险品”。 DGR”或“ IMO-IMDG 规则的特殊规定 188”

IATA:

Proper Shipping Name: Lithium batteries

UN Number:UN 3480

Hazard Class:9

Packaging requirement:According to IATA DGR 61<sup>th</sup> Edition,PACKING INSTRUCTION 965 of section IB for transportation.

Proper Shipping Name:Lithium batteries contained in equipment. “Lithium batteries packed with equipment” ,

UN Number:UN 3481

Hazard Class:Not restricted

Packaging requirement:According to IATA DGR 61<sup>th</sup> Edition,PACKING INSTRUCTION 966and967of section II for transportation.

IMO:

Proper Shipping Name:Lithium batteries.

UN Number:UN 3480 & UN 3481

Hazard Class:Not restricted

Packing Group:Not restricted

The goods are not restricted to IMO IMDG Code(Amend 38-2016)according to special provision 188.



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More information concerning shipping ,testing,marking and packaging can be obtained from Label master at <http://www.labelmaster.com>.

更多关于锂离子电池运输、测试、包装等相关规定

请参见网址: <http://www.labelmaster.com>.

Separate Lithium -ion batteries when shipping to prevent short -circuiting.They should be packed in strong packaging for support during transport .Take in a cargo of them without falling,dropping,and breakage.Prevent collapse of cargo piles and wet by rain. 电池相互隔开并防止短路、泄漏, 并装放在结实的容器内运输。

注: 该电池在运输过程中应防止剧烈振动、冲击或挤压, 防止日晒雨淋。具体细节请对照本文第七部分操作处置与储存。

Transport Fashion: By air ,by sea.

运输方式: 空运, 海运。

### Section 15 - Regulatory Information

#### 第十五部分 法规信息

##### Law Information

##### 法规信息

《Dangerous Goods Regulation》

《危险品规则》

《Recommendations on the Transport of Dangerous Goods Model Regulations》

《危险品货物运输规章范本》

《International Maritime Dangerous Goods》

《国际海上危险货物运输规则》

《Technical Instructions for the Safe Transport of Dangerous Goods》

《危险物品航空安全运送技术指南》

《Classification and code of dangerous goods》

《危险货物分类和品名编号》

《Occupational Safety and Health Act》 (OSHA)

《职业安全与卫生条例的危害》

《Toxic Substances Control Act 》 (TSCA)

《毒性物质控制法》

《Consumer Product Safety Act 》 (CPSA)

《消费品安全法》

《Federal Environmental Pollution Control Act 》 (FEPCA)

《联邦环境污染控制法》

《The Oil Pollution Act 》 (OPA)

《石油污染法》

《 Superfund Amendments and Reauthorization Act Title III(302/311/312/313) 》  
(SARA)



## ZHUHAI GREAT POWER ENERGY CO.,LTD.

珠海鹏辉能源有限公司

MSDS-61th File No:GP20010213 2020-01-02

《附加基金修正复审法 III(302/311/312/313)》

《Resource Conservation and Recovery Act 》(RCRA)

《资源保护和回收法》

《Safety Drinking Water Act 》(CWA)

《安全饮水法》

《California Proposition 65》

《加州提案 65》

《Code of Federal Regulations 》(CFR)

《美国联邦法规》

In accordance with all Federal,State and Local laws.

可参照联合国、国家、地方性法规。

### Section 16-Additional Information

#### 第十六部分 其他信息

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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免责声明:

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Creation Date : Jan 02,2020 完成日期: 2020年01月02日

Professional post: Product Certification Engineer

岗位: 产品认证工程师

Make unit: R&D Department

部门: 研发部





# UN38.3 试验概要

## UN38.3 Test Summary

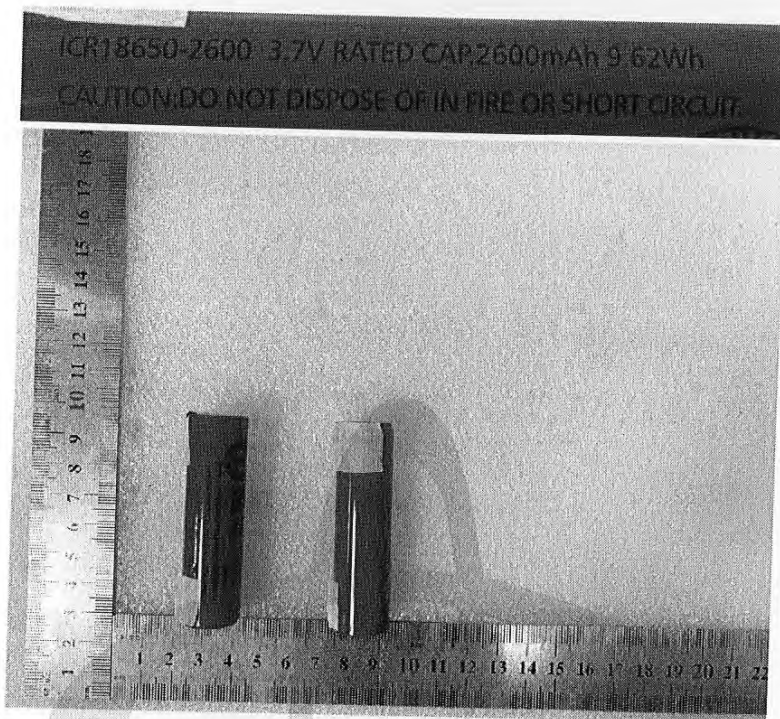


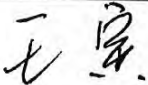
811900700379731

单位信息 Company information			
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生产单位 Manufacturer	珠海鹏辉能源有限公司 ZHUHAI GREAT POWER ENERGY CO.,LTD 广东省珠海市斗门区井岸镇珠海大道新青科技园 XINQING TECHNOLOGY PARK, ZHUFENG AVENUE, JING AN TOWN, DOUMEN DISTRICT, ZHUHAI CITY, GUANGDONG PROVINCE,P.R.C 0756-6333555                      renzheng@greatpower.net                      www.greatpower.net		
测试单位 Test lab	上海化工院检测有限公司 Shanghai Research Institute of Chemical Industry Testing Co., Ltd. 中国.上海.普陀区云岭东路 345 号, 200062 No.345 East Yunling Road, Putuo, Shanghai, China 200062 86-21-31765555                      battery@ghs.cn                      www.ghs.cn		
电池信息 Battery information			
名称 Name	可充电锂离子电池 LITHIUM ION RECHARGEABLE BATTERY	品牌 Brand	/
型号 Type	ICR18650-2600mAh	原始测试型号 Original tested type	/
标称电压(V) Nominal voltage	3.7	容量/能量 Capacity/energy	2600mAh 9.62Wh
描述 Description	可充电锂离子电池芯 Rechargeable Li-ion cell	锂含量(g) Li content	/
质量(kg) Mass	0.0459	外观 Appearance	蓝色圆柱型塑料薄膜外壳 blue cylinder plastics film shell
测试信息 Test information			
原报告编号 Original test report No.	1119100043	测试报告日期 Date of test report	2019-12-02
测试标准 Test standard	联合国《关于危险货物运输的建议书 试验和标准手册》第 38.3 章 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria 38.3      ST/SG/AC.10/11/Rev.6/Amend.1		
T.1 高度模拟 Altitude simulation	合格 Passed	T.2 温度测试 Thermal test	合格 Passed
T.3 振动测试 Vibration	合格 Passed	T.4 冲击测试 Shock	合格 Passed
T.5 外部短路 External short circuit	合格 Passed	T.6 撞击 Impact	合格 Passed
T.7 过度充电 Overcharge	/	T.8 强制放电 Forced discharge	合格 Passed
38.3.3 (f)	/	38.3.3 (g)	/



样品图片 Sample Picture



<p>结论 Conclusion</p>	<p>测试样品符合联合国《关于危险货物运输的建议书试验和标准手册》ST/SG/AC.10/11/Rev.6/Amend.1 38.3 标准要求。The tested samples meet the requirements of test items of the UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6/Amend.1 38.3</p>	
<p>备注 Remark</p>	<p>/</p>	
<p>签名 Signature 职务 Title</p>	<p> 王寅 副总工程师 Vice chief engineer</p>	<p>签发日期 Issued date 2019-12-29</p>

-验证码:006206-

\*\*\*报告结束\*\*\*