

Model 型号	INR18650/35V	Spec. No. 规格书编号	PBRI-INR18650/35V-D06-15	Version No. 版本	C
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PRODUCT SPECIFICATION

产品交付规格书

Model (型号) : INR18650/35V

Designed 编制	RD Checked 产品设计审核	QC Checked 品质审核	Sales Checked 销售审核	Approved 批准
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Approved by: 批准:
Signature date: 日期:

March, 2025
EVE Energy Co., Ltd.

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Revision History

变更履历

Revision NO. 版本	Date 日期	Description 更改内容	Author 确认人
A	2023.3.1	First Edition 新版发行	钟家太
B	2024.5.1	Update Safety Test Method 更新安全测试方法	郑晓睿
C	2025.3.10	Upgrade Product Specification Template 更新规格书模板	郑晓睿

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1. Scope (适用范围)

This product specification has been prepared to specify the rechargeable lithium-ion cell to be supplied to customer by EVE Energy CO., LTD.

本产品规格书适用于由惠州亿纬锂能股份有限公司生产的锂离子电芯。

2. Description and Model (基本信息)

2.1 Description (描述) Lithium-ion rechargeable cell (锂离子电芯)

2.2 Model name (型号) INR18650/35V

3. Nominal Specifications (规格参数)

Item 项目	Specification 标准
3.1. Standard Discharge Capacity 标准放电容量	Minimum 3400mAh Nominal 3500mAh 最小容量 3400mAh 标称容量 3500mAh Charge: 0.68A(0.2C), 4.20V, CCCV 0.068A cut-off 充电: 0.68A(0.2C)恒流充电至 4.20V, 恒压充电截止电流 0.068A Discharge: 0.68A(0.2C), 2.50V cut-off 放电: 0.68A(0.2C) 恒流放电至 2.50V 截止 *1C=3.4A
3.2. Nominal Voltage 标称电压	3.65V
3.3. Standard Charge 标准充电	0.68A(0.2C), 4.20±0.05V, CCCV 0.068A cut-off 0.68A(0.2C)恒流充电至 4.20±0.05V, 恒压充电截止电流 0.068A
3.4. Maximum Charge 最大充电	3.4A(1C), 4.20±0.05V, CCCV 0.068A cut-off (Not for cycle life) 3.4A(1C)恒流充电至 4.20±0.05V, 恒压充电截止电流 0.068A (不适用于循环)
3.5. Standard Discharge 标准放电	0.68A(0.2C), 2.50V cut-off 0.68A(0.2C) 恒流放电至 2.50V 截止
3.6. Maximum Discharge 最大放电	10.2A(3C), 2.50V cut-off (Not for cycle life) 10.2A(3C), 2.50V 截止 (不适用于循环)
3.7. Charge/Discharge Voltage Range 充电/放电电压区间	4.20~2.50V
3.8. Cell Weight 电池重量	50.0g Max 最大 50.0g
3.9. Cell Dimensions 电芯尺寸	Height: 65.10±0.15mm 高度: 65.10±0.15mm Diameter: 18.35±0.10mm 直径: 18.35±0.10mm

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3.10. Operation Temperature (Cell Surface Temperature) 使用温度范围 (电芯表面温度)	Ambient Temperature Charge: 0 to 45 °C Discharge: -20 to 60°C		环境温度 充电: 0 to 45 °C 放电: -20 to 60°C		
	Charge Temperature: 0 to 60°C (recommended recharge release <45°C) Discharge Temperature: -20 to 70°C (recommended re-discharge release <60°C)		充电温度: 0 to 60°C (建议重新充电温度<45°C) 放电: -20 to 70°C (建议重新放电温度<60°C)		
3.11. Storage Temperature (At Shipping SOC) 存储温度 (出货态 SOC)	1 year 1 年		-20~25°C		
	3 months 3 个月		-20~45°C		
	1 month 1 个月		-20~60°C		

Remark: The recovery capacity is more than 90% of standard discharge capacity (=3400mAh) after storage at the condition of 3.11.

备注: 在 3.11 条件下储存后, 恢复容量超过标准放电容量 (=3400mAh) 的 90%。

4. Outline Dimensions (外形尺寸)

See the attachment (Fig. 1). (详见附件 1)

5. Appearance (外观)

There shall be no such defects as rust, discoloration, leakage which may adversely affect commercial value of the cell.

电芯不能有生锈、变色、漏液等可能对电芯产生不利影响的缺陷。

6. Standard Test Condition (标准测试条件)

6.1. Environment Condition (环境条件)

Unless otherwise specified, all tests stated in this specification are conducted at temperature 25±2°C and humidity under 65% RH.

若无特别要求, 此规格书上的产品测试条件均为温度: 25±2°C, 湿度: <65% RH。

6.2. Measuring Equipment (测量设备)

(1) Amp-meter and volt-meter (电流表和电压表)

The amp-meter and volt-meter should have an accuracy of the grade 0.5mA and 0.5mV or higher.

电流表和电压表的精度应分别为 0.5mA 和 0.5mV 或以上。

(2) Slide caliper (游标卡尺)

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The slide caliper should have 0.01mm scale.

游标卡尺的测试精度应为 0.01mm。

(3) Impedance meter (电压内阻测试仪)

The impedance meter with AC 1 kHz should be used.

使用频率为1kHz的电压内阻测试仪。

7. Charging Method (充电方法)

7.1. Standard Charge (标准充电)

Standard charge means charging the cell CCCV with charge current 0.68A (0.2C), constant voltage 4.20V and 0.068A cut-off in CV mode at 25°C for capacity.

标准充电即在环境温度为 25°C 的条件下, 先以恒定电流 0.68A (0.2C) 充电至 4.20V, 然后恒压充电至电流小于 0.068A。

7.2. Maximum Charge (最大充电)

Maximum charge means charging the cell CCCV with charge current 3.4A (1C), constant voltage 4.20V and 0.068A cut-off in CV mode at 25°C.

最大充电即在环境温度为 25°C 的条件下, 先以恒定电流 3.4A (1C) 充电至 4.20V, 然后恒压充电至电流小于 0.068A。

8. Electrical Characteristics (电性能)

Item 项目	Test Condition 测试条件	Criteria 检验标准
8.1. Standard Discharge Capacity (标准放电容量)	The Standard Discharge Capacity is the initial discharge capacity of the cell, which is measured with discharge current of 0.68A (0.2C) and cut-off voltage of 2.50V at 25°C after the standard charge. Referring IEC61960 Standard. 标准放电容量即电芯在 25°C 下按照标准充电方式充满电, 然后以 0.68A (0.2C) 放电至 2.50V 截止的容量。 (参考 IEC61960 标准)	Standard Discharge Capacity ≥ 3400mAh 标准放电容量 ≥ 3400mAh
8.2. Initial Internal Impedance (内阻)	Initial Internal Impedance is measured at AC 1kHz at shipping SOC. 使用频率为 AC 1kHz 的电压内阻测试仪测量出货态电芯的内阻。	Initial Internal Impedance ≤ 30mΩ 内阻 ≤ 30 mΩ

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8.3. Discharge Rate Capabilities (倍率放电性能)	Discharge Capacity is measured with the various currents in the following table and 2.50V cut-off after the standard charge. Note: Relative capacity is divided by the standard discharge capacity (=3400mAh). 电芯按标准充电方式充电后，以不同的放电电流恒流放电至 2.50V 截止电压。 注释：相对容量是不同电流放电容量除以标准放电容量(=3400mAh)。		Item 项目	Discharge Condition 放电条件	
			Current 电流 (A)	0.68	10.2
			Rate 倍率(C)	0.2	3
			Relative Capacity 相对容量(%)	100%	≥90%
8.4. Temperature Dependence of Discharge Capacity (不同温度放电性能)	Capacity comparison at each temperature, measured after storage at the test environment according to the below table with discharge constant current 0.68A(0.2C) and 2.50V cut-off after the standard charge at 25°C. Note: Relative capacity is divided by the standard discharge capacity (=3400mAh). 电芯在 25°C环境下按标准充电方式充电后，在不同温度搁置 4h 后以 0.68A(0.2C)恒流放电至 2.50V 截止电压。 注释：相对容量是不同温度放电容量除以标准放电容量(=3400mAh)。		Item 项目	Discharge Temperature 放电温度	
			Temperature 温度(°C)	-20	25 55
			Rest Time 静置时间(h)	4	4 4
			Relative Capacity 相对容量(%)	≥70	100 ≥90
8.5. Cycle Life (循环寿命)	Charge: 1.7A (0.5C) to 4.2V, CCCV 0.17A cut-off. Discharge: 3.4A (1C) to 3.0V cut-off. Rest Time: 10min after charge and 30min after discharge. Capacity after 800 cycles. 充电： 1.7A(0.5C), 4.20V, 0.17A 截止 放电： 3.4A(1C)放电，3.00V 截止 搁置时间：充电后搁置 10min，放电后搁置 30min 循环 800 次		Capacity ≥70% C _i Note: C _i : the first discharge capacity of cycle life test at 25±2°C. 800 周循环容量≥70%C _i C _i : 25±2°C时循环第 1 周的放电容量		
8.6. Storage Characteristic (存储性能)	Recovery Capacity: The capacity of standard discharge of three times cycles after fully standard charged storage at condition as follows: 恢复容量：电芯充满电后在以下条件下存储后标准放电容量（循环 3 次）。		After storage for 28days at 25°C. Recovery Capacity ≥ 3060mAh (90% of Standard Discharge Capacity (=3400mAh)) After storage for 7days at 60°C. Recovery Capacity ≥ 3060mAh (90% of Standard Discharge Capacity (=3400mAh)) 25°C存储 28 天。 恢复容量≥3060mAh（标准放电容量（3400mAh）的 90%） 60°C存储 7 天。 恢复容量≥3060mAh（标准放电容量（3400mAh）的 90%）		

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9. Mechanical Characteristics (机械性能)

Item 项目	Test Method 测试方法	Criteria 检验标准
9.1. Free Fall Test (跌落测试)	Each fully standard charged cell is dropped three times from a height of 1.0m onto a flat concrete floor. The cells are dropped so as to obtain impacts in random orientations. After the test, the cells shall be put on rest for a minimum of 1h and then a visual inspection shall be performed. Free fall test is according to the IEC62133 standard. 充满电的电芯从 1.0m 的高度以随机的方向跌落至水泥地板 3 次，实验后放置至少 1h 后进行外观检查。 (跌落测试按照 IEC62133 标准进行)	No fire, no explosion. 电芯不起火，不爆炸
9.2. Vibration Test (振动测试)	For X and Y axis with cylindrical cell 7Hz→200Hz→7Hz for 15min, repetition 12 times totally 3 hours, the acceleration 1g during 7 to 18Hz, then amplitude 1.6mm and maximum 8g up to 200Hz. Vibration test is according to the UN38.3 standard. 在20±5°C下，充满电的电芯固定在振动台上，振动频率由7Hz增加到200Hz然后再降到7Hz的时间为15分钟，重复12次，总计3h。从7Hz开始保持1g的加速度直到频率达到18Hz，保持8g的加速度（振幅1.6mm），直到频率达到200 Hz。 (振动测试按照 UN38.3 标准进行)	No fire, no explosion, no leakage, with less than 10% of OCV drop. 电芯不起火、不爆炸、不漏液，电压下降小于 10%

10. Safety (安全性能)

Item 项目	Test Method 测试方法	Criteria 检验标准
10.1. Overcharge Test (过充测试)	Fully standard discharged cell is charged with 4.6V and 10.2A (3C) for 7h. Overcharge test is according to the UL1642 standards. 先将电芯以标准放电方式放电至截止电压，然后将电芯正负极连接于恒压电源，对电芯以 10.2A (3C)充电，直到电压不低于 4.6V，持续充电 7h。 (过充测试按照 UL1642 标准执行)	No fire, no explosion. 电芯不起火，不爆炸
10.2. External Short-circuit Test (短路测试)	Fully standard charged cell is to be short-circuited by connecting the positive and negative terminals of the cell with a circuit load having are resistance load of 80±20mΩ at 55±5°C. The cell remains on test for 24h or until the surface temperature declines by 20% of the maximum temperature rise, whichever is the sooner. External short-circuit test is according to the IEC62133 standard. 电芯按标准充电方式充满电后，在 55±5°C环境下，用一外部电阻 80±20mΩ的导线连接电芯正负极端，使其外部短路，直到测试时间持续到 24h 或者电芯表面温度低于最高温度 20%。 (短路测试按照 IEC62133 标准进行)	No fire, no explosion. 电芯不起火，不爆炸

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10.3. Forced Discharge Test (过放测试)	A discharged cell is subjected to a reverse charge at 3.4A (1C) for 90 min. Forced discharge test is according to the IEC62133 standard. 先将电芯以标准放电方式放电至截止电压，然后以 3.4A(1C)强制放电 90min。 (过放测试按照 IEC62133 标准进行)			No fire, no explosion. 电芯不起火，不爆炸	
10.4. Heating Test (热冲击测试)	To heat up the standard charged cell at heating rate 5°C per minute up to 130°C and keep the cell in oven for 10 minutes. Heating test is according to the UL1642 standard. 将电芯放置于电热鼓风干燥箱中，以 5°C/min 的速率由室温升至 130°C 并保持 10min。 (热冲击测试按照 UL1642 标准进行)			No fire, no explosion. 电芯不起火，不爆炸	
10.5. Low Pressure Test (低气压测试)	Fully standard charged cell is to be stored at a pressure of 11.6 kPa or less for at least six hours at ambient temperature. Low pressure test is according to the UN38.3 standards. 电芯按标准充电方式充电后，电芯在绝对压力为 11.6kPa，温度为室温条件下贮存 6 小时。 (低气压测试按照 UN38.3 标准执行)			No fire, no explosion and no leakage with less than 10% of OCV drop. 电芯不起火、不爆炸、不漏液，电压下降小于 10%	

11. Status of the Cell as of Ex-factory (电芯出厂状态)

The cell should be shipped in 3.450V to 3.600V charging voltage range.

电芯运输时电压应在 3.450V 至 3.600V 范围内。

12. Warranty (质量保证)

The cell warranty is one year since the date of delivery. The warranty period is subject to this EVE INR18650-35V Specification and EVE shall exemption from the circumstances below:

电芯保质期为出货之日起 1 年。关于质保期的约定以本《EVE INR18650-35V 规格书》为准。下列情况 EVE 责任免除：

The cell has been damaged by force majeure factors, including but not limits on natural disasters: typhoons, earthquakes and floods, government actions: expropriation and requisition; and social abnormal events: strikes, riots and etc.

电池因不可抗力导致损伤，包含但不限于自然灾害：台风、地震和洪水，政府行为：征用和征收；社会异常事件：罢工、骚乱等；

The cell has been damaged by clients' abuse, misuse or inappropriate using (not follow the instruction list in this specifications);

电池由客户滥用或误用或不当使用而造成的损坏(未按照本规格书中的指示清单使用)；

The cell has been damaged while the using condition exceed the limits of this specifications;

电池因使用条件超过本规格书的限制而造成的损伤；

The cell has met the trouble while mating the electric circuit, cell pack and charger;

亿纬商业秘密，未经允许不得扩散

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电池在电路、电池组和充电器适配时产生的故障；

The cell has met the trouble while assembling after acceptance.

电池验收后在装配过程中遇到的故障。

13. Precautions and Safety Instructions (安全守则)

Abuse of Rechargeable Lithium-ion cells can cause damage to the cell and/or personal injury. Please read and observe the standard cell precautions below before using.

滥用锂离子充电电池可能会造成电芯的损害和人身的伤害。在使用锂离子充电电芯以前，请仔细阅读以下的安全守则。

Note 1. Customer shall contact and confirm with EVE in advance if intends to use the cell exceed the limitations which has clarified within this specifications.

注释 1.如果客户计划将电芯用于超出本规定明确的使用范围外的情况，请提前与 EVE 联系并确认。

Note 2. EVE will take no responsibility for any accident that occurs when the cell is used under conditions other than those described in this document.

注释 2.在此文件说明的条件之外使用该电芯而产生的事故，EVE 不承担任何责任。

Note 3. For the sake of safety assurance, if there are special requirements or special use scenarios for the design of lithium-ion battery packs, related control systems and protection circuit settings, including but not limited to its using condition, current, rapid charge requirements and etc, it is necessary to confirm in writing in advance with the EVE. Otherwise, EVE will not be liable for cell failures or accidents caused by cells that are not suitable for the special requirements or special usage scenarios.

注释 3.为了保证电芯在使用过程中的安全，如果对于锂离子电芯的电池包的设计、相关控制系统及保护电路设置有特殊要求或者特殊使用场景的，包含但不限于电池包的使用场景、电流、快速充电等信息，需要提前与 EVE 书面确认，否则因不适用该特殊要求或者特殊使用场景导致电池故障或产生事故，EVE 不承担任何责任。

14. Guide for the use of Lithium-ion Cells (电芯使用指南)

14.1. General (总则)

This chapter has been prepared to describe the appropriate cautions and prohibitions, which the customer should take or employ when the customer uses and handles the lithium ion cell to be manufactured and supplied by EVE Energy CO., LTD., in order to obtain optimal performance and safety.

为了达到最佳的性能和保证电芯使用安全，此部分旨在介绍客户在使用和处理 EVE 制造和供应的锂离子电芯时应注意的事项和禁止事项。

14.2. Charging (充电)

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14.2.1. Charging current (充电电流)

Charging current shall be less than maximum charge current specified in the specification.

电芯应在规格书限定的充电电流范围内充电。

14.2.2. Charging voltage (充电电压)

Charging shall be done by voltage less than that specified in the specification.

电芯充电电压不得超过规格书中限定的电压。

14.2.3. Charging temperature (充电温度)

The cell shall be charged within a range of specified temperatures in the specification.

电芯应在规格书限定的充电温度范围内充电。

14.2.4. Reverse charging (反向充电)

The cell shall be connected, confirming that its poles are correctly aligned. Inverse charging shall be strictly prohibited. If the cell is connected improperly, it may be damaged. EVE is not liable for any damages resulting therefrom.

电芯充电连接时应保证正负极连接正确，严禁反向充电。如果电芯正负极连接错误，电芯可能损坏。由此导致的一切损失 EVE 不承担。

14.3. Discharging (放电)

14.3.1. Discharging current (放电电流)

The cell shall be discharged continuously at less than maximum discharging current specified in the specification. In case of the higher discharging current should be set, it shall be confirmed with EVE.

放电电流必须控制在本规格书中指定的值内，如果需要设置更高的放电电流，请与 EVE 确认。

14.3.2. Discharging temperature (放电温度)

The cell shall be discharged within a range of temperatures specified in the specification. Otherwise, it may cause loss of performance characteristics.

电芯应在规格书规定的温度范围内放电。否则，可能会导致电芯性能的损失。

14.3.3. Over-discharging (过放电)

The system should equip with a device to prevent the cut-off voltage while discharging exceed the recommended limits, the limits has been specified in this specification.

系统应配备保护板，防止进一步放电，避免电压低于规格书中规定的放电截止电压。

Over-discharging may lead to the loss of cell performance. Over-discharging may occur by self-discharging if the cell is stored for a very long time without usage.

过放电会导致电芯性能的损失。如果电芯放置很长一段时间不使用，电芯自放电可能会导致过放。

The charger should equip with a device to detect voltage of cell box and to determine recharging procedures.

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充电器应配置保护板检测电池包电压和确定重新充电程序。

14.4. Storage (存储)

14.4.1. Storage conditions (存储条件)

The cell should be stored within a range of temperatures specified in the specification, within the dry and no corrosion gas environment. Otherwise, it may cause loss of performance characteristics, leakage and/or rust.

电芯应在规格书规定的温度范围内存储，存储环境应干燥无腐蚀性气体。否则，可能会导致电芯性能损失、漏液或生锈。

14.4.2. Long term storage (长期存储)

The cell should be used within a short period after charging because long-term storage may cause loss of performance by self-discharging. If long-term storage is required the cell should be stored at lower voltage within a range specified in this specification, as higher voltage storage may also lead to loss of performance.

电芯充电后应在短时间内使用，因为长期储存可能会因自放电而导致容量损失。如果需要长期存储，电芯应在规格书规定的范围内以较低的电压存储，因为高电压存储可能会导致电芯性能的损失。

14.5. Cycle Life (循环寿命)

The cell can be charged & discharged repeatedly up to the target cycles and capacity of which has clarified in this specification.

电芯可经历多次充放电循环，达到规格书中指定次数下规定的容量水平。

Cycle life performance may be influenced by charging and discharging condition, operating temperature and/or storage.

充放电方式、电芯使用温度或存储条件可以影响电芯的循环性能。

14.6. Design of System (系统设计)

14.6.1. Connection between the cell and the battery (电芯和电池间的连接)

To prevent the heat generation the cell should be connected with solder which shall be welded on the connector (eg. cell cap or bottom), otherwise the component of the cell such as the separator and insulator may damaged.

为避免热聚集，电芯应应用焊片链接，焊片应焊接在电芯连接位上（如：电池盖帽或底部），否则电芯的组件如隔膜和绝缘垫片会损坏可能受损。

14.6.2. Positioning the battery in the system (电芯的放置)

The battery should be positioned as possible as far from heat sources and high temperature components. Otherwise, it may cause loss of characteristics. The recommended spacing between the cells is more than 1mm.

电芯应尽可能远离热源和高温物体。否则，可能会导致电芯性能的损失。电芯之间的距离建议大于 1mm。

14.6.3. Mechanical shock protection of the battery (电池组机械冲击保护)

The battery should be equipped with appropriate shock absorbers in the pack in order to minimize shock, which can

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damage the cells. Otherwise, it may cause shape distortion, leakage, heat generation and/or rupture and/or open circuit.

电池组应配备合适的减震器，以最大限度地减少震动，避免损坏电芯。否则可能导致电芯发生形变、泄漏、发热、破裂或断路。

14.6.4. Short-circuit protection of the cell (电芯短路保护)

The cell equips with an insulating sleeve to protect short-circuit which may occur during transportation, battery assembly and/or system operation. If the cell sleeve is damaged by some cause such as outside impact, it may cause short-circuit with some wiring inside the battery.

电芯带有绝缘套管，以避免电芯在运输、组装或系统运行过程中发生短路。如果电芯套管因外界撞击等原因损坏，可能会导致电池组内部的一些线路发生短路。

14.6.5. Connection between the battery and charger/System (电池组与充电器/系统之间的连接)

The battery should be designed to be connected only to the specified charger and system. A reverse connection of the battery, even in the specified system, should be avoided by employing special battery design such as a special terminal.

电池组应设计为只能连接到特定充电器和系统。即使在指定的系统中，也应采用特殊的电池设计（如特殊的电池端子）来避免电池的反向连接。

14.6.6. Pack design (电池包设计)

The current consumption of the battery pack should be under 10uA at sleep mode. The system should be equipped with a device to monitor each voltage of cell block to avoid cell imbalance which can cause damage to the cells.

在休眠状态下时，电池组消耗电流应 $<10\mu\text{A}$ 。系统应配置设备监测每个电芯电压，避免电芯不平衡造成电池损坏。

The battery pack or system should have warning system such as over temperature, over voltage, over current, and so on.

电池组或系统应具有过热、过压、过流等预警系统。

14.7. Battery Pack Assembly (电池包组装)

14.7.1. Prohibition of usage of damaged cell (禁止使用损坏的电芯)

The cell should be inspected visually before battery assembly.

电池包装配前应目视检查每个电芯。

The cell should not be used if sleeve-damage, can-distortion and/or electrolyte-smell is detected.

如果电芯套管损坏、钢壳变形或有电解液气味，则电芯不能继续使用。

14.7.2. Connector handing (连接片焊接)

Excessive force on the cells' terminal should be avoided when external strip connector is welded.

焊接连接片时，应避免对两端施加过大的力。

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14.7.3. Transportation (运输)

If the cell is necessary to be transported to such as the battery manufacturer, careful precautions should be taken to avoid damage of cell.

如果电芯需要运输到电池厂家，应采取必要的预防措施，以避免电芯损坏。

14.8. Others (其他)

14.8.1. Disassembly (拆解)

The cell should not be dismantled from the battery pack.

电芯不应从电池组中拆下。

Internal short-circuit caused by disassembly may lead to heat generation and/or venting.

拆卸引起的内部短路可能导致电芯发热或产气。

If liquid leaking from the battery gets into your eyes, don't rub your eyes and wash them with clean water and go to see a doctor immediately.

如果电池泄漏的液体进入你的眼睛，不要揉眼睛，请用清水清洗，并立即去看医生。

14.8.2. Short-circuiting (短路)

Short-circuit results in very high current which leads to heat generation.

短路会产生非常大的电流，从而导致发热。

An appropriate circuitry should be employed to protect accidental short-circuiting.

使用时应采用正确的线路，防止意外短路。

14.8.3. Incineration (焚烧)

Incinerating and disposing of the cell in fire are strictly prohibited, because it may cause rupture and explosion.

严禁用火焚烧和处置电芯，因为可能会引起电芯破裂和爆炸。

14.8.4. Immersion (浸泡)

Soaking the cell in water is strictly prohibited, because it may cause corrosion and leakage of components to be damaged to functions.

严禁将电芯浸泡在水中，否则会引起电芯的腐蚀和漏液，使电芯的功能受损。

14.8.5. Mixing use (混合使用)

Different types of cell, or same types but different cell manufacturer shall not be used, which may lead to cell imbalance, cell rupture or damage to system due to the different characteristics of cell.

使用不同类型的电芯，或不同的电芯制造商同种类型的电芯，由于电芯的不同特性，可能导致电芯不平衡，电芯破裂或系统损坏。

14.8.6. Battery exchange (电芯更换)

Although the cell contains no environmentally hazardous component, such as lead or cadmium, the battery shall be

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disposed according to the local regulations when it is disposed.

电芯不含铅、镉等有害环境成分，但处理时应按当地法规处理。

The cell should be disposed with a discharged state to avoid heat generation by an inadvertent short-circuit.

电芯应在低电量状态处理，避免因意外短路而产生热量。

14.8.7. Temperature measurement (温度测量)

The temperature monitoring system (K-type thermocouple) is recommended to be placed in the middle of the cell (30mm~34mm up from the bottom of the cell), and the accuracy of the temperature monitoring system should be within $\pm 2^{\circ}\text{C}$.

建议温度监测系统（K 型热电偶）放置在电池中间（距电池底部 30mm~34mm 位置），温度监测系统的精度应在 $\pm 2^{\circ}\text{C}$ 以内。

14.8.8. Caution (注意事项)

The battery used in this device may present a risk of fire or chemical burn if mistreated.

如果电芯使用不当，可能会导致火灾或化学烧伤。

Do not disassemble, expose to heat above 100°C or incinerate it.

禁止拆解电芯，在 100°C 以上高温加热或火烧电芯。

Do not expose the cell to extreme heat or flame.

不要将电芯暴露在极热的环境或火焰中。

Do not short circuit, over-charge or over-discharge the cell.

不要将电芯短路、过充或过放。

Do not subject the cell to strong mechanical shocks.

不要使电芯承受过重的机械冲击。

Do not immerse the cell in water or sea water, or get it wet.

不要将电芯浸入海水或水中，或者使其吸湿。

Do not reverse the polarity of the cell for any reason.

不要颠倒电芯的正负极。

Do not disassemble or modify the cell.

不要拆卸或修整电芯。

Do not handle or store with metallic like necklaces, coins or hairpins, etc.

不要和项链、硬币或发夹等金属物品放置在一起。

Do not use the cell fall off on the ground.

不要使用掉地电芯。

Do not use the cell with conspicuous damage or deformation.

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不要使电芯受到明显的损害或变形。

Do not connect cell to the plug socket or car-cigarette-plug.

不要将电芯与插座连接。

Do not make the direct soldering onto a cell.

不要直接焊接电芯。

Do not touch a leaked cell directly.

不要直接接触漏液的电芯。

Do not use Lithium-ion cell in mixture.

不要将锂离子电芯混合使用。

Do not use or leave the cell under the blazing sun (or in heated car by sunshine).

不要将电芯放置在太阳光直射的地方（或在太阳底下暴晒的汽车里）。

Keep cell away from children.

将电芯放置在远离儿童的地方。

Do not drive a nail into the cell, strike it by hammer or tread it.

不要针刺、捶打或践踏电芯。

Replace battery with those of EVE only.

只能更换 EVE 的电芯。

15. Others (其他)

15.1. Storage for a Long Time (长期存放)

If the cell or pack is kept for a long time (3 months or more), it is strongly recommended that the cell is performed one cycle, the voltage of the cell is recommended from 3.450V to 3.600V, the environment should be low-temperature (normally 0~25°C), dry and no corrosive gas.

如果电芯或电池包存放时间较长(3 个月或以上), 强烈建议电芯进行一次循环, 电芯电压建议 3.450V 到 3.600V, 环境应低温(通常为 0~25°C)、干燥且无腐蚀性气体。

15.2. Others (其他)

Any other matters not covered under this specification shall be separately negotiated and confirmed by both parties.

任何本规格书中未提及的事项, 须经过双方协商确定。

16. Consultation (联系方式)

Address: EVE Energy Co., Ltd.-EVE Industrial Park on No.38, Huifeng 7th Road, Zhongkai Hi-Tech Zone, Huizhou.

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Tel No.: 86-752-2630809

Fax No.: 86-752-2606033

Website: [Http://www.evebattery.com.cn](http://www.evebattery.com.cn)

如有疑问，请按以下方式咨询：

地址：中国广东省惠州市仲恺高新区惠风七路 38 号惠州亿纬锂能股份有限公司

电话：86-752-2630809

传真：86-752-2606033

网址：[Http://www.evebattery.com.cn](http://www.evebattery.com.cn)

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Attachment (附件) :

Fig 1 (图 1) :

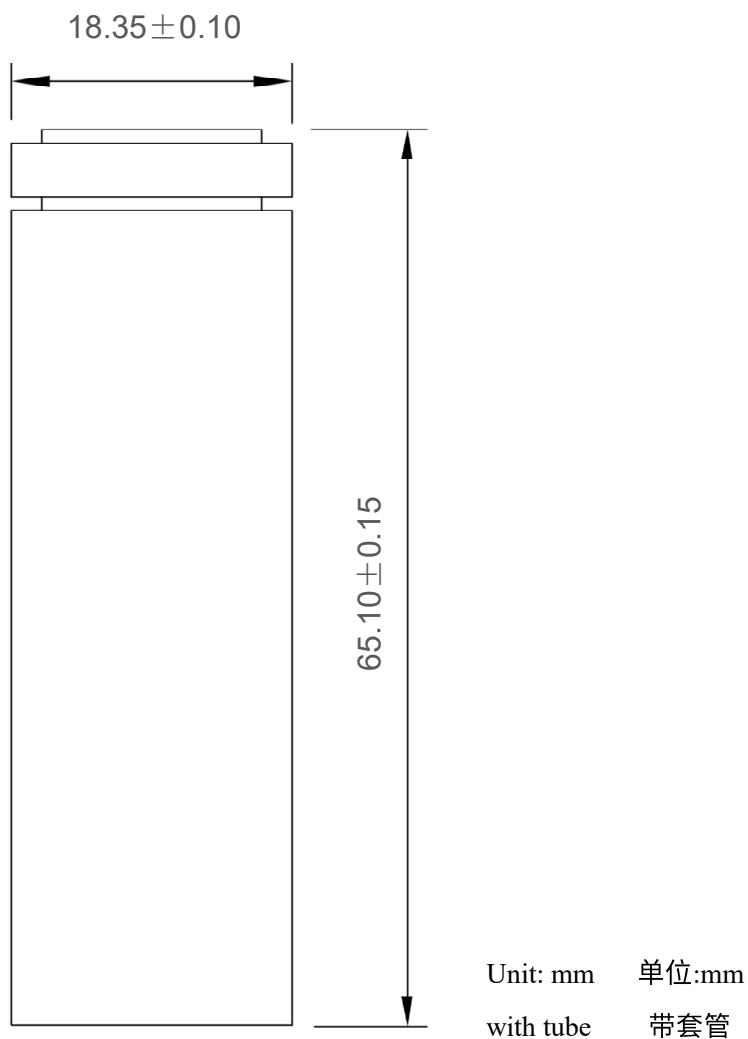


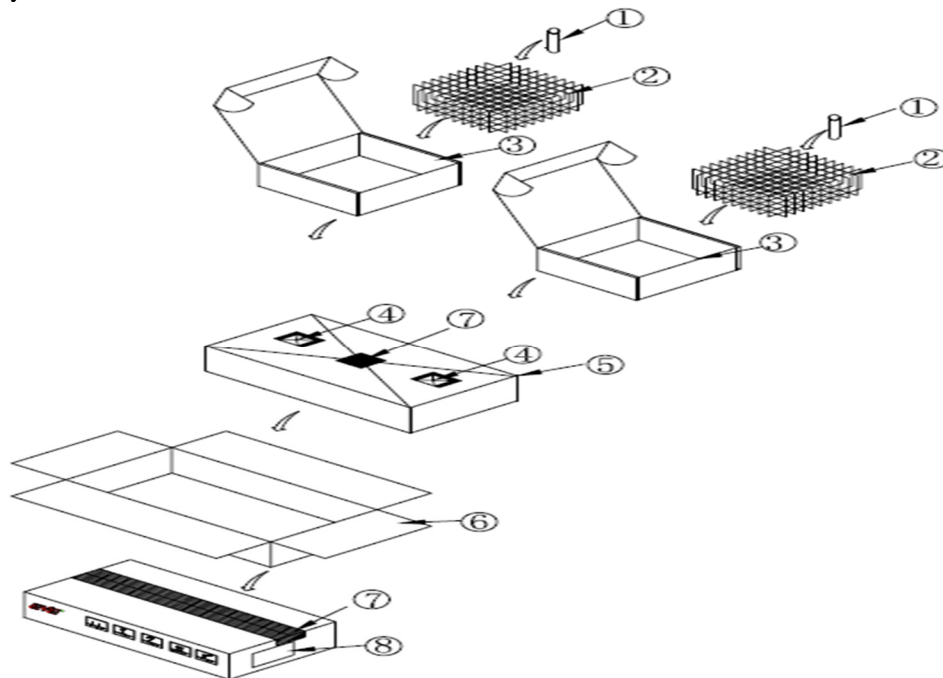
Fig. 1. Outline Dimensions of INR18650/35V

图 1.INR18650/35V 外形尺寸

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Attachment (附件) :

Fig 2 (图 2) :



NO.	Part Name 部件名称	Material 材料	Q'Ty 单位
1	Cell 电芯	型号 INR18650/35V	200 pcs/box
2	Packing Bulkhead 刀卡	Cardboard 卡纸	36 pcs/box
3	Box(Packing Case In) 内箱	Corrugated Board 瓦楞纸箱	2 pcs/box
4	Silicagel 干燥剂	Si 硅	2 pcs/box
5	Bag PE/POF 防水袋/热缩膜	PE/POF 聚乙烯/多层共挤聚烯烃热收缩膜	1 pcs/box
6	Box(Packing Case Out) 外箱	corrugated board 瓦楞纸箱	1 pcs/box
7	Tape 胶带	PE 聚乙烯	0.01 rol/box
8	Product Label 产品标签	Art Paper 铜版纸	1 pcs/box