

HOVERAir AQUA 哈浮飞行相机 AQUA

智能电池安全使用手册

Smart Battery Safety Instructions

充电或使用前请阅读本手册并严格按照指导操作。

声明：对于在超出本手册规定以外的条件下使用电池而造成的任何意外事故，深圳零零无限科技有限公司（以下简称“零零科技”）概不负责。

警告

1. 锂电池为高能化学品，错误使用（如进水、高温搁置、跌落挤压、刺破电池等）可能导致起火、爆炸、设备损坏或人身伤害。
2. 请勿将电池或装有电池的飞行相机置于高温环境，或接触高温物体（如烧烤炉、燃气灶、营火、刚使用完的打火机等）。严禁将电池遗留在暴晒的车内。
3. 电解液具腐蚀性，泄漏时远离；接触皮肤或眼睛即大量清水冲洗并就医。
4. 电池对温度敏感。请在许可的温度范围内进行充放电及存储，以确保安全与性能。
5. 电池进水、刺破、破损、变形存在热失控风险，立即停用，并将电池放置于远离可燃物、通风良好的安全区域，避免触碰或继续充放电，并尽快联系客服售后或专业处理机构。

涉水环境使用须知

1. 电池单体不防水，仅整机密封完好时才防水。任何单独暴露、锁止不全、密封圈异物或结构损坏均致防水失效。
2. 严禁电池单独接触液体或暴露在潮湿环境，进水可致短路、损坏甚至爆炸。
3. 潮湿环境使用后擦干电池并自然风干 ≥ 2 h，确认完全干燥后再充放电或存放。
4. 禁止使用热风、吹风机等高温方式加速干燥。
5. 电池连接器为裸露式接触接口，请保持其清洁、干燥。若连接器或电池舱内残留水分或盐分，可能导致触点腐蚀、短路或发热失效。若需清洁，请使用干燥、无纤维掉落的超细纤维布。请勿使用含腐蚀性或导电性的清洁剂（如酒精、洗涤剂、溶剂）擦拭连接器。
6. 连接器进水或腐蚀时立即断电，阴凉通风干燥，禁止通电、充电或加热。
7. 出现异味、鼓胀、发热等异常立即停用并联系客服售后。

充电前检查

1. 充电前确认端口无液体、杂物，电池无腐蚀、破损或异常发热。
2. 外观破损、鼓胀或漏液时禁止充电或使用。
3. 禁止使用损坏或非官方充电配件。
4. 禁止使用非官方电池或充电设备，由此引发的问题或事故由用户负责。

充电操作注意事项

1. 禁止潮湿环境下充电。
2. 电量过低时，尽快在允许温度范围内充电。长时间低电量存放可能损坏电池。
3. 飞行结束后，高温电池需静置冷却后再充电，禁止在密闭、散热不良空间充电。
4. 禁止在靠近可燃物、易燃物的环境中充电。

5. 充电时保持监控，发现异味、异常发热或鼓胀立即停充。
6. 发生火情时立即切断电源，将着火电池移至空旷区，用大量清水冷却。
7. 建议仅在温度 5°C – 40°C 范围内充电。低温（ 5°C – 15°C ）充电时间延长。常温（ 15°C – 40°C ）充电效率最佳且可延长寿命。

储存及运输

1. 禁止在海水、潮湿、漏水、沙尘以及脏污环境中存放电池。
2. 请远离易燃、易爆物及热源，避免阳光直射。
3. 电池储存条件：电量40%–60%，温度 15 – 25°C ，湿度45%RH–75%RH。
4. 若长期存放（超过两个月），每两个月充电一次以维持电芯活性。
5. 电量低且长时间闲置的电池可能进入睡眠模式，使用前需充电激活。
6. 涉水或潮湿环境使用后，取出电池干燥并存放于干燥阴凉处；飞行器本体也需充分干燥，防止受潮影响性能或安全。

产品参数

额定容量：2013 mAh

标称电压：10.74 V

充电限制电压：12.9 V

额定能量：21.62 Wh

Before charging or using the battery, read this manual carefully and strictly follow all instructions.

Disclaimer: Shenzhen Zero Zero Infinity Technology Co., Ltd. (hereinafter referred to as "Zero Zero Technology") is not responsible for any accidents caused by using the battery under conditions beyond those specified in this manual.

Warnings

1. Lithium batteries are high-energy chemical products. Misuse (e.g., water ingress, high-temperature exposure, dropping/crushing, puncturing) may cause fire, explosion, device damage, or personal injury.
2. Do not place the battery or a device with the battery installed in high-temperature environments or near heat sources (such as grills, gas stoves, campfires, or a lighter that was just used). Never leave the battery in a car under direct sunlight.
3. Battery electrolyte is corrosive. If leakage occurs, keep away from the battery. If electrolyte contacts skin or eyes, rinse immediately with plenty of clean water and seek medical attention.
4. The battery is highly sensitive to temperature. Charge, discharge, and store the battery only at ambient temperatures within the permitted range to ensure safety and proper performance.
5. If the battery becomes wet, punctured, damaged, or deformed, there is a risk of thermal runaway. Stop using the battery immediately and place it in a well-ventilated, safe area away from combustible materials. Do not touch the battery or continue charging/discharging. Contact customer support or a qualified disposal agency as soon as possible.

Guidelines for Use in Wet Environments

1. The battery itself is not waterproof. Waterproofing is effective only when the entire aircraft is fully sealed. Any exposure of the battery, incomplete locking, debris in the sealing ring, or damage to the structure will cause waterproof failure.
2. Keep the battery away from liquids and do not expose to humid environments. Water ingress may cause short circuits, damage, or even explosion.
3. After using the device in a humid or wet environment, wipe the battery dry and allow it to air-dry naturally for more than 2 hours. Ensure the battery is completely dry before charging, discharging, or storage.
4. Do not use hot-air tools such as heat guns, hair dryers, or other high-temperature devices to accelerate drying.
5. The battery connector is an exposed contact interface. Keep it clean and dry. Any residual moisture or salt on the connector or in the battery compartment may cause corrosion, short circuits, or overheating. If cleaning is required, use a dry, lint-free microfiber cloth. Do not use corrosive or conductive cleaners (such as alcohol, detergents, or solvents).
6. If water enters the connector or corrosion is detected, disconnect power immediately and allow it to dry in a cool, ventilated area. Do not power on, charge, or heat the battery.
7. If you notice unusual odor, swelling, or excessive heat, stop using the battery immediately and contact customer support.

Pre-Charging Inspection

1. Before charging, make sure the port is free of liquid or debris, and that the battery shows no signs of corrosion, damage, or abnormal heating.
2. Do not charge or use the battery if the exterior is damaged, swollen, or leaking.
3. Do not use damaged or unofficial charging accessories.
4. Do not use unofficial batteries or charging equipment. Any issues or accidents resulting from such use are the responsibility of the user.

Charging Precautions

1. Do not charge in humid environments.
2. When the battery level is low, recharge it as soon as possible within the permitted temperature range. Storing the battery at a low charge for long periods may damage the cells.
3. After flight, if the battery is still hot, allow it to cool to room temperature before charging. Do not charge in enclosed or poorly ventilated spaces.
4. Do not charge near flammable or combustible materials.
5. Monitor the battery during charging. If you notice unusual odor, abnormal heat, or swelling, stop charging immediately.
6. If a fire occurs, disconnect from power immediately, move the burning battery to an open area, and cool it with plenty of clean water.
7. Recommended charging temperature range: 5°C to 40°C (40°F to 104°F). At low temperatures (5°C to 15°C / 40°F to 59°F), charging time will increase. At room temperature (15°C to 40°C / 59°F to 104°F), charging efficiency and battery lifespan are optimal.

Storage and Transportation

1. Do not store batteries in environments with seawater, moisture, leakage, sand, dust, or dirt.
2. Keep away from flammable, explosive materials and heat sources. Avoid direct sunlight.
3. Battery storage conditions: Charge level: 40%-60%; temperature: 15°C to 25°C (59°F to 77°F); humidity 45%RH-75%RH.
4. For long-term storage (over two months), recharge the battery once every two months to maintain cell activity.
5. A battery that remains at a low charge for an extended period may enter sleep mode and must be recharged to activate it before use.
6. After use in water or humid environments, remove the battery, dry it thoroughly, and store it in a cool, dry place. The aircraft body must also be fully dried to prevent moisture from affecting performance or safety.

Product Specifications

Rated Capacity: 2013 mAh
Nominal Voltage: 10.74 V
Max Charging Voltage: 12.9 V
Rated Energy: 21.62 Wh

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