



Battery Safety Guidelines

电池安全使用指南

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**WARNING**

Read the ENTIRE User Manual to become familiar with the features of product before operating. Failure to operate the product correctly can result in damage to the product or personal property and cause serious injury. This is a sophisticated product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. DO NOT use with incompatible components or alter this product in any way outside of this document. These Safety Guidelines contain instructions for safety, operation and maintenance. It's essential to read and follow all of the instructions and warnings in the user manual, in order to operate the product correctly and avoid damage or serious injury.

**WARNING**

The GDU aircraft is equipped with a high capacity Li-battery which is dangerous chemical. To avoid fire, serious injury and property damage, please observe the following safety guidelines before using or charging your batteries.

Battery Use

- DO NOT allow the batteries contact with any kind of liquid. DO NOT leave batteries out in the rain or drop into water. Chemical

decomposition, such as fire and explosion, may occur when the battery come into contact with water. If the aircraft falls into the water, remove the battery immediately, dispose it by the method mentioned in Safety Guide after drying the battery.

- Never use non-GDU batteries. If you need to replace the battery, go to www.gdu-tech.com or contact other authorized dealers to purchase a new one. GDU takes no responsibility for any damages caused by non-GDU batteries.
- Never use swollen, leaky, overheating batteries, if your batteries are abnormal, please contact GDU or other authorized dealers for technical support.
- Make sure the battery is used in temperature range of 0°C~40°C, high temperature tends to result in fire or possible exploding of the battery, while low temperature will seriously affect the life of the battery and flight time.
- Never install or remove the battery from aircraft when it is turned on.
- DO NOT use the battery in strong electrostatic or electromagnetic environments. Otherwise, the battery control board may malfunction and cause a serious accident during flight.
- DO NOT disassemble, crush, strike, impale the battery, in case of overheat and fire.
- Never touch the battery with wet hands.
- DO NOT clean the battery with benzene hydrocarbon, banana oil and other organic solvents.
- DO NOT leave the battery near heat sources.
- DO NOT mistakenly use wires or other metal objects to short-circuit the battery.
- DO NOT apply force to the battery or drop it.

- If the battery falls accidentally, make sure there is no damage or leakage before using again.
- DO NOT put out the battery fire with water. Solid fire extinguishing equipment, such as sand, powder, carbon dioxide extinguisher are suggested to use in fire extinction.
- Electrolytes in the battery are highly corrosive. If any electrolytes make contact with your skin or eyes, immediately wash the affected area with plenty of clean water, see a doctor after symptom relief.

Battery Charging

Make sure there is somebody on duty in charging process, no combustible material around.

- Disconnect the charger when the charging is completed, or not in use.
- DO NOT charge the battery immediately after flight, because the battery temperature may be too high. Do not charge the battery in super-high or low temperature, to prevent it from damage. The ideal charging temperature is 5°C ~37°C .
- Please maintain the battery once a month.
- Always use GDU approved adapter. GDU takes no responsibility if the battery is charged with a non-GDU charger.

Storage and Transportation

- Keep the battery be stored in dry and shady environment, avoid water erosion and insolation. The ideal storage temperature is 25±5°C .
- Discharge the battery level to half before long-term storage.
- The battery in long-term storage should be checked and charged

every two months.

- Keep the battery away from metal objects such as keys, screwdrivers and cellphones.
- Stored for longer than a month, the battery needs to be charged before using again.
- Keep the battery out of children's reach, if it is swallowed up accidentally, go to a doctor immediately.
- Check whether there are abnormal deformation, such as breakage , or liquid leakage ,before transportation.
- Batteries are dangerous chemicals, for you own and others' safety, discharge the battery level to less than 25% before shipping posting or carrying it on an airline flight.

Battery Disposal

- Batteries are dangerous chemicals, which contain heavy metal elements that are harmful to human body and environment. Please dispose the battery to special recycling bin after being discharged completely.
- Do not abandon the battery that discharged incompletely, it's still dangerous. Please contact GDU or a professional battery recycling agent for further assistance.



NOTICE

Battery Use

- Make sure the batteries are fully charged before each flight.
- Land the aircraft immediately when the low battery level warning

activates in the GDU mini.

Battery Charging

- The Intelligent flight battery is designed to stop charging when it is full. However, it is a good practice to monitor the charging process and disconnect the batteries when fully charged.
- Ensure the Intelligent flight battery is turned off at all time during charging.

Battery Storage

- Discharge the battery to 40%-60% if it will not be used for 10 days or more. This can greatly extend the battery life.
- Remove batteries from the aircraft when stored for an extended period.

Battery Disposal

- If the power on/off button on the intelligent flight battery is disabled and the battery cannot be fully discharged, please contact a professional battery disposal/ recycling agent for further assistance.

Battery Maintenance

- Never over-discharging, this may lead to battery cell damage.
- Fully charge and discharge the battery at least once every 3 months to maintain battery health.

Travel Notice

- Store Intelligent Flight Batteries in a ventilated location.



警告

通过阅读整个用户手册，熟悉产品的功能之后再进行操作。如果没有正确操作本产品可能会对自身或他人造成严重伤害，或导致产品损坏和财产损失。本产品较为复杂，需要经过一段时间熟悉后才能安全使用，并且需要具备一些基本常识后才能进行操作。如果没有强烈的安全意识，不恰当的操作可能会导致产品损坏和财产损失，甚至会对自身或他人造成严重伤害。本产品不适合儿童使用。不要与不兼容的组件一起使用，也不要以本文档以外的任何方式更改产品。本文安全指南包含安全、操作和维护的说明。阅读和遵循用户手册中的所有说明和警告是必要的，以便正确操作产品，避免损坏或严重伤害。



警告

本产品使用的是高能量锂电池，属于危险化学品，使用不当可能会给自己或他人带来危险。因此，请务必按照如下安全指引使用电池。

使用

- 禁止让电池接触任何液体。请勿把电池放在雨中，或掉进水里。当电池与水接触时，可能会发生化学分解，如火灾和爆炸。如果飞机落入水中，立即将电池取出，在电池干燥后，用安全指南中提到的方法进行处理。
- 请勿使用非原厂电池。如需更换，请前往普宙官网或官方指定经销商进行购买。因使用非原厂电池而造成的不良后果，普宙概不负责。

- 严禁使用鼓包的、漏液的、温度异常等现象的电池。如有以上情况发生，请联系普宙或其指定经销商寻求技术支持。
- 务必确保电池在 0°C 至 40°C 温度环境下使用。高温会导致电池起火、爆炸，低温会严重损害电池寿命。
- 飞行过程中，出现低电量报警时，请立即返航降落、关机并拔出电池进行充电。电池过放会严重影响电池使用寿命，甚至损坏电池。
- 禁止在强静电或强磁场环境中使用电池。否则电路保护板将会失灵，从而导致飞行器发生故障。
- 请勿擅自拆解、挤压、撞击、刺破电池，否则会引起电池发热、起火。
- 请勿湿手触摸电池。
- 切勿使用苯、香蕉水等溶剂清洁电池。
- 请勿将电池靠近高温热源。
- 禁止用导线或其它金属物体致使电池正负极短路。
- 请勿对电池施加外力，或使之高空坠落。
- 当电池出现意外跌落时，再次使用前，务必确保电池无破损、无漏液。
- 若发生电池起火，严禁用水灭火。应使用固体类灭火器材，如使用沙子、干粉或二氧化碳灭火器进行灭火。
- 电池内部有强腐蚀性液体，如果溅射到皮肤或眼睛里，请立即用大量清水冲洗，待不适感缓解后，迅速就医。

充电

- 充电过程中，尽量做到有人值守，并确保周围无易燃、可燃物。
- 电池充满后，请及时断开与充电器的连接。
- 请勿在温度过高或过低的环境下对电池进行充电，否则，电池的寿命会受到严重影响。电池的理想充电环境在 5°C 至 37°C 之间。
- 建议每个月对电池进行一次保养。
- 请使用原厂充电器进行充电，因使用非原厂充电器进行充电而导

致的相关后果，普宙概不负责。

储存和运输

- 请将电池置于干燥、阴凉的环境中储存，避免水气侵蚀、阳光曝晒。电池的理想储存温度为 $25 \pm 5^{\circ}\text{C}$ 左右。
- 长期储存前，建议将电池电量降至 50% 左右。
- 长期储存的电池至少两个月进行一次检查和补充电。
- 请勿将电池与钥匙、螺丝刀、手机等金属物一起储存或运输。
- 储存时间超过一个月，再次使用时，请先对电池进行充电。
- 电池的储存应远离儿童可触及的范围，如果不小心中吞食零部件，请立即寻求医疗救助。
- 运输前，请检查电池有无破损、漏液等异常现象。
- 电池是一种高危高能的化学品，为了您和他人安全，携带电池乘坐航班或邮寄电池之前，请确保电池电量在 25% 以下。

废弃

- 电池是危险化学品，其中含有重金属元素，随意丢弃会对人体和环境造成损害。因此，请将废旧电池彻底放完后，置于专门的电池回收箱中。
- 没有彻底放电的电池，仍具有危险性，请勿直接丢弃于回收箱中。请联系普宙或当地专业电池回收公司进行处理。



注意

使用

- 每次使用前，确保电池充满电。
- 飞机低电量报警时，请尽快降落飞机停止飞行。

充电

- 智能飞行电池在充满时将自动停止充电。建议电池充满之后断开与充电器的连接。
- 充电时，请保持智能飞行电池处于关闭状态。

存储

- 超过 10 天不用的电池，请将电池放电至 40%–60% 电量存放，可延长电池的使用寿命。
- 若需长期存放，请将电池从飞行器机身取出。

废弃

- 如因电池开关失灵无法完成彻底放电，勿将电池直接放置于电池回收箱；请联系专业电池回收公司做进一步处理。

保养

- 切勿过充电池，否则会对电芯造成伤害。
- 每隔 3 个月左右重新充放电一次，以保持电池性能。

登机注意事项

- 务必在通风干燥处存放智能飞行电池。