

BATTERY CARE AND SAFETY

FLY

- Plan your flights so that they are comfortably within the limits of the battery. Leave time at the end of the flight for any unexpected need for extra power, for example, to counter the wind, to wait for the landing zone to clear, to abort the landing or manoeuvre.
- The lower you push its charge, the shorter a battery's lifetime will be. Fly to, or allow the drone to return to Home and land well before the battery runs out, when endurance is signalled as low. Taking the battery repeatedly below 20% may significantly reduce its lifetime. Taking the battery repeatedly down to 5% charge or below will greatly reduce long-term battery lifetime and reliability.
- In low temperatures or with strong winds, you must adapt your missions to a shorter available flight time per charge. In strong wind your drone uses more power. For example, a steady 12 m/s wind reduces the eBee's available flight time per charge to 15 - 20 minutes.
- In cold conditions, where the air temperature is below 5°C (41°F), keep batteries warm or warm them up to at least 5°C before connecting them to the drone.

STORE

- Don't store a fully-charged battery for more than one month.
eBee batteries should be stored at about 50% charge, or about 3.85 V per cell, 11.55 V in total.
eXom batteries should be stored at about 70% charge (with 3 charging LEDs lit).
Your battery's total voltage appears on eMotion's Flight Monitoring tab. If you need to store a battery, and it's level of charge is too high, fly a short mission to discharge the battery.
- Do not leave batteries in your drone for extended periods. When possible, store batteries in your drone's case. If you need to store them elsewhere, avoid direct sunlight and store in a cool place, indoors.

CHARGE

- Your drone is supplied with an intelligent charger that balances charge, reduces risk of over-charging and detects the abnormally low voltages that can signal a battery fault and risk of fire.
- eBee chargers have an LED for each of the battery's three cells (marked 1, 2 and 3), plus an overall charger status LED (marked Status). While charging, cell LEDs will flash red and the overall status LED will shine red, so don't worry if you see a flashing red cell LED - this just means that the cell is being balanced. If, however, the overall status LED flashes red, it either means that the battery was under-charged and is being charged slowly, or it means there is a fault. If it flashes red for more than 30 minutes, disconnect and discard your battery.
eXom batteries' LEDs show only the overall charge level.
- If you notice a significant drop in the available flight time after fully charging of one of your batteries, do not continue to use or charge that battery. Significantly reduced power capacity can indicate an internal fault.
- Immediately after a flight, the battery may be hot and charging can damage it. Wait until the battery is cool enough to hold in your hand before charging it again.
- If possible, always charge batteries in a Lipo Guard bag. These bags are designed to limit the spread of fire.

STAY SAFE

- Avoid all contact with the electrolyte in the battery and electrolysis vapours. In the event of a leak, do not allow battery contents to come into contact with skin or eyes. In case of contact with the skin, wash copiously with soap and water. In case of contact with the eyes, rinse copiously with cold water and consult a doctor. In case of inhalation of electrolysis vapours, seek medical help.
- If you notice a suspicious smell or noise or observe smoke emanating from the battery or charger, disconnect it immediately. Never charge a swollen battery, one that is leaking or one which has been damaged.
- Only charge the supplied battery with the supplied charger. Do not attempt to charge the battery with another charger, or use the supplied charger to charge other batteries.
- Inspect the batteries and charger regularly for damage to the cable, plug, enclosure or other parts. Do not use the battery if the plastic cover has been torn or compromised in any way. Never use a damaged charger.
- Do not charge batteries near inflammable materials or on an inflammable or conducting surface, for example, do not charge on carpet, a car seat, wooden flooring or wooden furniture.
- Do not leave the battery unattended while charging.
- Do not cover the battery or charger while charging.
- Do not place or store your battery near a source of heat.
- Do not attempt to charge the battery while it is still installed in your drone or inside the case.
- Do not attempt to charge a battery if the ambient temperature is below 0°C or above 40°C.
- Do not expose the battery to excessive physical shock such as impact or crushing force. Do not place any heavy objects on the battery or charger. Avoid dropping the battery.
- Keep batteries out of the reach of children.
- Do not allow the battery to come into contact with any kind of liquid. Do not leave your device out in the rain or near a source of moisture.
- Do not put the battery in a microwave oven or in a pressurised container.
- Do not attempt to dismantle, pierce, distort or cut the battery and do not attempt to repair the battery or charger.
- Do not transport batteries in the hold or other area of an aircraft that is inaccessible during flight. On commercial flights, do not check batteries in - transport them in hand baggage.

DISPOSE

- Discarding batteries in general household or commercial waste harms the environment. Damaged or unusable batteries must be disposed of properly, for example, in a container specially reserved for this purpose, following appropriate local guidelines and regulations. For further information contact senseFly, the reseller from whom you purchased your drone, or your local municipal authority.
- Do not dispose of the battery in fire.

Non-compliance with these instructions could result in gas being given off, fire, burns, electric shock or an explosion. The user accepts liability for the use of the supplied Lithium-ion Polymer battery. As the manufacturer and the distributor cannot ensure the battery is used correctly (charging, discharging, storage, etc.), they cannot be held liable for damages caused to persons or property.