

LIONPACK**LITHIUM ION BATTERIES**

Thank you for purchasing our **LIONPACK** Lithium-ion (Li-ion) batteries. By purchasing this product, the buyer/user agrees that he/she has read and understood the safety precautions printed in this document, that he/she bears full responsibilities of these risks, and does not hold ZOHD, its distributors, or its retailers responsible for any accidents, injury to persons, or property damage that may occur. Damage from misuse or modifications will void your warranty and can cause serious injury.

General Safety Guidelines

- 1) **NEVER** use a NiCd/NiMH charger to charge Li-ion/LiPo batteries. Use a charger designed for charge LiPo/Li-ion batteries only.
- 2) **ALWAYS** inspect the battery to ensure there are no signs of damage, deformity, or swelling before charging. If there are, do not continue charging the battery, and follow the proper procedures to dispose of the battery.
- 3) **ALWAYS** charge batteries in a fireproof container and away from combustible material. Do not charge on surfaces that can catch fire – this includes: wood, cloth, carpet, or inside the plane.
- 4) **NEVER** charge batteries unattended. Always remain in constant observation of the charging process & react to potential problems that may occur.
- 5) **NEVER** charge a **deformed, swollen or ballooned** battery. Continuing to charge a battery that has begun to swell will result in a fire. Follow these steps:
 1. STOP the charging process by unplugging the charger, and disconnect the battery from it immediately
 2. Disconnect battery from the device immediately.
 3. Place it in an open non-flammable area.
 4. Watch it for approx. 30 minutes from a safe distance.
 5. Follow proper procedure to dispose of battery
- 6) **NEVER** allow the battery's positive and negative leads to touch. This can cause the batteries to short and lead to fire!
- 7) If for any reason you need to cut the terminal wires of an assembled Li-ion battery pack, it will be necessary to cut each wire separately, ensuring the wires to not touch each other or a short may occur.
- 8) Store Li-ion batteries in a cool, dry place between 40-80° F.
- 9) **NEVER** store Li-ion batteries in any locations that can exceed these temperatures such as a vehicle, garage, or in the sun.
- 10) **Keep your batteries out of reach of children and pets.**

Avoid Over-Discharging Li-ion Batteries:

Over-discharging a Li-ion Battery, or continuing to use the battery even after it is fully depleted (e.g. when it is below its minimum voltage level), can cause permanent damage to your battery.

While you're not able to visibly detect the internal damage to the battery, it can eventually cause a fire when attempting to re-charge at a later time.

Additional Notes:

Some Li-ion chargers in the market may contain insufficient or incorrect information regarding the battery packs they are designed for. It is the user's responsibility to ensure that the charger purchased is compatible with ZOHD batteries.

Battery Maintenance & Handling

- Never disassemble existing Li-ion battery packs to mix with other Li-ion cells/packs.
- Only charge your Li-ion battery with a good quality, dedicated Li-ion/LiPo charger. A poor quality charger may not be able to charge or protect your battery properly, and can be dangerous.
- Do not discharge battery to a level below 2.5V per cell under load. Deep discharge below 2.5V per cell can deteriorate battery performance.
- Let battery cool down to ambient temperature before charging.

Storage & Transportation

- Never store batteries near an open flame or heater.
- Store battery at room temperature for best results.
- Do not expose battery pack to direct sunlight (heat) for extended periods of time.
- For long term storage, do not store them fully charged; it is recommended to fully charge and then discharge it to 50-60% of their capacity.

Battery Life & Disposal of LiPo Batteries

Rechargeable Li-ion/LiPo batteries do not last indefinitely. Batteries that have lost 20% of their initial capacity should be removed from service and disposed of properly.

If at any time you detect any physical damage to a Li-ion battery such as swollen cell, split, battery leak, or tear in the foil covering, STOP and do not continue discharging the battery.

Proper Disposal of Li-ion/LiPo Batteries:

Regulations and laws pertaining to the recycling and disposal of Li-ion/LiPo batteries vary from country to country as well as by state and local governments. You should check the laws and regulations where you live.

There are a number of facilities that recycle Li-ion/LiPo batteries. The Rechargeable Battery Recycling Corporation's web site, www.rbrbc.org, is an excellent source for finding a facility to handle these types of batteries. If you are not sure if your waste facility can handle Li-ion/LiPo batteries, contact them and verify if they are permitted or not.

Remember that before any type of disposal the batteries should be discharged completely. Tape the contacts with electrical tape and package so as to prevent contacts accidentally coming together at any time.

For home disposal, many stores offer free recycling of rechargeable batteries. If no outlet is available

in your area, it is safe to dispose of these batteries in your regular trash. As always, check with your local laws to make sure that this is acceptable.

Product Warranty

Product warranty is limited to original defects in material and workmanship. Warranty does not cover collateral damage. Due to the nature and use of this product, there is no term warranty. Misuse, abuse, incorrect charging, failure to comply with the above warnings and guidelines, and other inappropriate use of this product are not covered under warranty.