



# LITHIUM POLYMER BATTERY SAFETY

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## **LITHIUM POLYMER BATTERY SAFETY – PLEASE READ AND KEEP FOR REFERENCE**

Lithium Polymer batteries are very dangerous if not handled correctly. A Lithium fire is extremely high temperature, unpredictable, explosive in nature and cannot easily be extinguished. See Youtube.com for examples of Li-Po fires to get an idea of how rapidly they can develop. Please take the risks seriously and be extremely careful – don't think it won't happen to you.

- 1) **CHARGE & STORE in a fireproof container away from anything combustible.**
- 2) Always supervise the charging process. Never leave it unattended.
- 3) In the event of damage from crashes or any change in appearance that develops over time (including gassing) of the battery, carefully remove the battery to a safe place to observe and then discard. Never attempt to charge a battery with physical damage, regardless as to how minor the damage is.
- 4) Always use chargers designed for charging Li-Po batteries. The safe charging speed for a battery is at 1C. Many fires occur from using adjustable chargers that have been improperly set. Never attempt to charge Li-Po batteries with a non- Li-Po charger.
- 5) Use a high quality Li-Po charger that can monitor and control the charge state of each cell in the pack. Unbalanced cells can lead to fire if the charger permits overcharge of a single cell in the pack.
- 6) Do not attempt to modify the battery pack.
- 7) Do not attempt to extinguish a Li-Po battery fire with water. Use a foam extinguisher, CO<sub>2</sub>, ABC dry chemical or other specialist product suitable for chemical fires. Avoid inhalation of fumes and vacate the area immediately.

**By purchasing this Li-Po battery, the buyer assumes all risks associated with using the battery. If you do not agree with this clause, contact us immediately to arrange a return before use.**