

Rechargeable lithium battery safety guidelines

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Outline safety warnings

- Use the battery only within the specified parameters.
- Consult the cell manufacturer's documentation, data sheets and material safety data sheets.
- Charge the battery only with an approved charger.
- Do not short circuit or over-load the battery.
- Do not heat.
- Do not use above the maximum temperatures indicated.
- Do not crush, mutilate, puncture or abuse the battery.
- Do not dismantle the battery or disable any protective components, devices or circuits.
- Do not link batteries in series or parallel without prior discussion or approval from Creasefield.
- Do not use the battery if you suspect it may be faulty or damaged.

Protection Devices

All cell manufacturers recommend the use of protection circuits and discreet safety components with rechargeable lithium cells. These devices are designed to have a reasonable chance of protecting the battery in case of faults or abuse. They must not be used as a main means of charge/discharge control or overall system safety, and will not necessarily prevent damage to the battery or other equipment. Users must satisfy themselves that the battery protection circuit works as intended, and that any equipment used with the battery (including chargers) incorporates suitable safety components.

UN 38.3 (T1-T8) Testing

New transport regulations affecting lithium, lithium-ion and/or lithium polymer batteries came into force during 2003 and 2004. Users must satisfy themselves that any given cell or battery meets and is shipped according to the requirements laid out in these regulations.

Disclaimer

We do not claim to be experts in regard to transport regulations, shipping, packing etc. Users and prospective users of lithium, lithium-ion and/or lithium polymer cells and/or battery packs should consult a qualified person for definitive information, e.g. a Dangerous Goods Safety Advisor. Creasefield Ltd, its owners, directors, employees and servants cannot accept any responsibility for the accuracy of the above information.

Users must satisfy themselves, by suitable testing, that products are fit for purpose. Data in this document is for general guidance only – consult Creasefield Ltd for information specifically relating to your application. Information is given free of charge and in good faith, but no responsibility can be accepted for errors, omissions, costs, losses or liabilities arising from the use of this information.