



Annex A Recommendations to equipment manufacturers and battery assemblers

The following represents a typical, but non-exhaustive, list of good advice to be provided by the manufacturer of secondary cells and batteries to equipment manufacturers and battery assemblers.

- a) Do not dismantle, open or shred cells. Batteries should be dismantled only by trained personnel. Multicell battery cases should be designed so that they can be opened only with the aid of a tool.
- b) Do not short-circuit a cell or battery. Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- c) Do not remove a cell or battery from its original packaging until required for use.
- d) Do not expose cells or batteries to heat or fire. Avoid storage in direct sunlight.
- e) Do not subject cells or batteries to mechanical shock.
- f) In the event of a cell leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- g) Equipment should be designed to prohibit the incorrect insertion of cells or batteries and should have clear polarity marks. Always observe the polarity marks on the cell, battery and equipment and ensure correct use.
- h) Do not mix cells of different manufacture, capacity, size or type within a battery.
- i) Seek medical advice immediately if a cell or battery has been swallowed.
- j) Consult the cell/battery manufacturer on the maximum number of cells, which may be assembled in a battery and on the safest way in which cells may be connected.
- k) A dedicated charger should be provided for each equipment. Complete charging instructions should be provided for all secondary cells and batteries offered for sale.
- l) Keep cells and batteries clean and dry.
- m) Wipe the cell or battery terminals with a clean dry cloth if they become dirty.
- n) Secondary cells and batteries need to be charged before use. Always refer to the cell or battery manufacturer's instructions and use the correct charging procedure.
- o) Do not maintain secondary cells and batteries on charge when not in use.
- p) After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance.
- q) Secondary cells and batteries give their best performance when they are operated at normal room temperature.
- r) Retain the original cell and battery literature for future reference.
- s) When disposing of secondary cells or batteries, keep cells or batteries of different electrochemical systems separate from each other.



Annex B (informative)

Recommendations to the end-users

The following represents a typical, but not exhaustive list of good advice to be provided by the equipment manufacturer to the end-user.

- a) Do not dismantle, open or shred secondary cells or batteries.
- b) Do not expose cells or batteries to heat or fire. Avoid storage in direct sunlight.
- c) Do not short-circuit a cell or a battery. Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
- d) Do not remove a cell or battery from its original packaging until required for use.
- e) Do not subject cells or batteries to mechanical shock.
- f) In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- g) Do not use any charger other than that specifically provided for use with the equipment.
- h) Observe the plus (+) and minus (-) marks on the cell, battery and equipment and ensure correct use.
- i) Do not use any cell or battery which is not designed for use with the equipment.
- j) Do not mix cells of different manufacture, capacity, size or type within a device.
- k) Keep cells and batteries out of the reach of children.
- l) Seek medical advice immediately if a cell or a battery has been swallowed.
- m) Always purchase the correct cell or battery for the equipment.
- n) Keep cells and batteries clean and dry.
- o) Wipe the cell or battery terminals with a clean dry cloth if they become dirty.
- p) Secondary cells and batteries need to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
- q) Do not leave a battery on prolonged charge when not in use.
- r) After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance.
- s) Secondary cells and batteries give their best performance when they are operated at normal room temperature (20 °C ± 5 °C).
- t) Retain the original product literature for future reference.
- u) Use only the cell or battery in the application for which it was intended.
- v) When possible, remove the battery from the equipment when not in use.
- w) Dispose of properly.