

Lithium-Ion Battery Safety

A quick check before first use can prevent a dangerous short circuit — for removable 18650 and 21700 cylindrical cells.

STOP — inspect every cell before inserting or charging

Do not use a cell with a damaged wrap, insulator ring, dent or deep abrasion. If the storage tube is damaged, inspect the cells carefully before use.

1 Inspect the cell and storage tube

- Wrap is smooth and fully intact — no cuts, nicks, tears or exposed metal.
- Positive-end insulating ring is present, flat and undamaged.
- Cell casing is not dented, crushed, corroded or leaking.
- Storage tube has no impact, crush or puncture damage.

2 Insert the cell correctly — never force it

For spring-loaded battery bays, follow the device maker's instructions. Typically:

CORRECT ✓



Negative end first. Compress the spring, then lower the positive end into place.

AVOID ✗



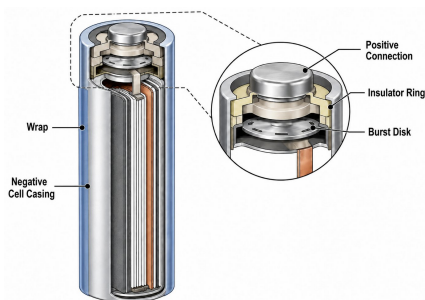
Do not push the positive end past a contact or use force — it can cut or pinch the wrap.

3 If it does not fit smoothly, stop

Remove the cell and check the wrap, device contacts and insertion method. Never lever, twist or force a cell into position.

Why the wrap matters

The outer steel can of an 18650 or 21700 cell is electrically negative. The positive terminal sits very close to it at the top of the cell. The wrap and insulating ring keep these parts separated from conductive device and charger contacts.



A small cut in the wrap can create a direct short circuit.

If exposed negative casing touches a positive device or charger contact, the cell can discharge at extremely high current. This may cause sparks, intense heating, venting, fire or thermal runaway.

Safe everyday handling

- Use only a compatible Li-ion charger.
- Keep loose cells away from keys, coins and metal objects.
- Do not use a cell that has been dropped hard or visibly damaged.

If you find damage

- Do not insert or charge the cell.
- Keep the terminals protected from metal objects.
- Contact Magic Vaporizers for replacement or disposal advice.

If a cell sparks, hisses, smokes, vents or becomes unusually hot

Stop using the device or charger. Do not touch a hot or venting cell with bare hands. Move away and keep others clear. If there is a fire or immediate danger, contact the emergency services. Do not reuse the affected cell.