

# good to know

Lithium batteries are found in a vast range of commonly-used devices. From mobile phones and immersion blenders to power drills and electric bikes, they're impressively powerful – but should be handled with care.



**Did you know that** lithium batteries are up to 75% recyclable? They also contain valuable raw materials like cobalt and nickel that can be recovered through modern recycling processes.

**Did you know that** lithium has been successfully used in medications for depression, schizophrenia and Alzheimer's disease?

**Did you know that** an electric car contains up to 7000 lithium cells?

**Did you know that** nearly all of the world's currently accessible lithium reserves are found in South America, China and Australia?

**Did you know that** the world's first electric car was presented at the 1900 World Fair in Paris by Ferdinand Porsche?

**Did you know that** there is more lithium in the Earth's crust than cobalt, tin or lead?

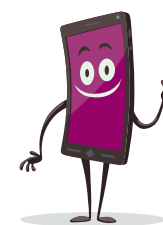
LEGAL NOTICE Publisher and responsible for content: Elektroaltgeräte Koordinierungsstelle Austria GmbH, Mariahilfer Str. 84, 1070 Vienna, [www.eak-austria.at](http://www.eak-austria.at) PHOTOS [shutterstock.de](http://shutterstock.de) & [pixabay.com](http://pixabay.com) LAYOUT [pinkpixels.com](http://pinkpixels.com)  
DISCLAIMER Lithium batteries come in a variety of designs and chemical compositions. Therefore, this brochure only presents tips on working with lithium batteries in general. Although the contents of this brochure have been carefully researched and prepared in cooperation with the "Public Outreach Task Force", neither Elektroaltgeräte Koordinierungsstelle Austria GmbH nor the "Public Outreach Task Force" can be held liable for their correctness, completeness, or current validity. Manufacturer recommendations always take precedence over this brochure, and must be strictly observed when using, storing, handling, transporting, removing or disposing of lithium batteries. Please contact the manufacturer with any questions or concerns. UPDATED: April 2017.



## Lithium batteries

Tips for proper use

Handle with care  
Avoid damage



# Working safely with lithium batteries



take care!



## Use the right charger

Charge only with the charger and accessories that came with your device, or ones designed for use with this model. This helps to prevent short circuits due to overcharging. The devices are designed to work together and can correctly detect the charge level.



## Keep an eye on it

Whenever possible, stay near your device while it is charging. Supervision is especially important when charging larger batteries, e.g. for electric bikes.



## Recycle used batteries

Used batteries are highly recyclable. Besides lithium, they contain valuable raw materials like cobalt and nickel. In Austria, collection sites and businesses can recycle old batteries to protect the environment and reduce consumption of natural resources.



## Tape over battery terminals when storing and recycling

Since batteries are never discharged completely, any visible and exposed terminals should be covered with a piece of tape to avoid short circuits.



beware!



## Avoid high temperatures

Never expose devices or batteries to high temperatures (e.g. direct sunlight, heaters). Do not obstruct ventilation openings.



## Do not charge near flammable materials

Never charge devices or batteries on or near flammable objects (e.g. on a tablecloth, on a bed or near paper).



## Be careful if devices get hot

If devices become physically damaged or warped, we recommend that you have the device examined, and that you change the battery as a precautionary measure. In some cases, damage may occur which could cause a malfunction or compromise the device's safety.



## Don't throw it in the bin

Used batteries do not belong in the rubbish bin. Bring them to collection sites or retail outlets where you can drop them off at no cost. Whenever possible, remove the batteries from your devices before dropping them off.