

On the way to the future world of mobility. Solutions for safely handling lithium-ion batteries



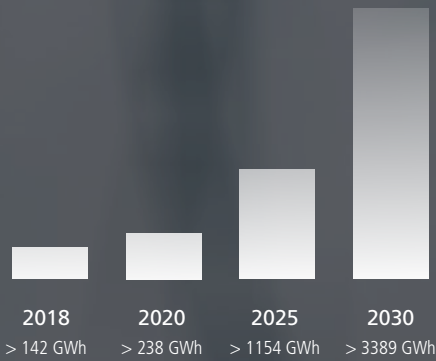
> RETRON

Demand for lithium-ion batteries is enormous. Therefore solutions are urgently needed for their handling and recycling. RETRON provides safe and flexible system solutions for storage, transport and the logistics for correct disposal.

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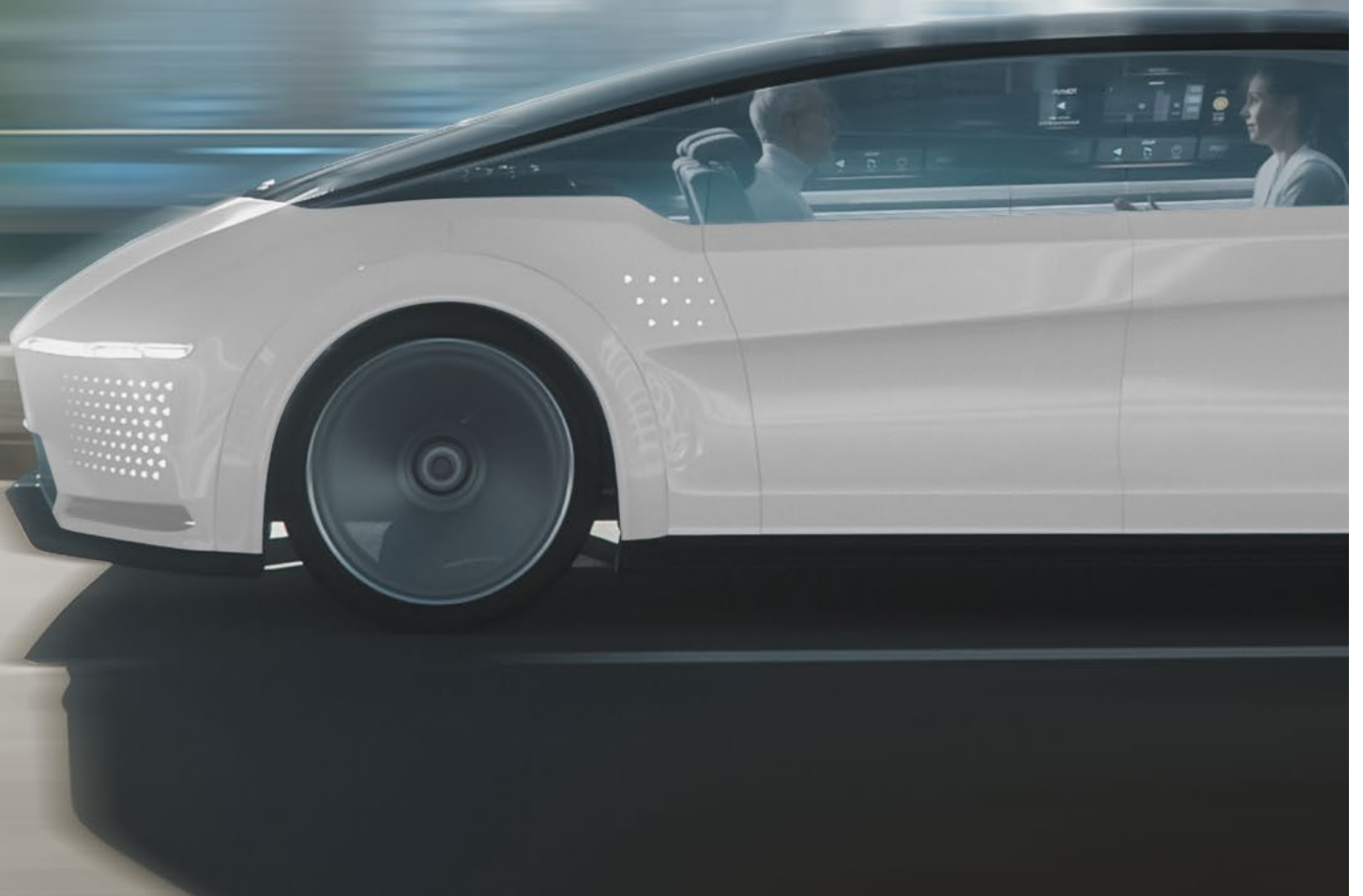
Demand for e-mobility alone: enormous



Lithium-ion batteries have had the highest growth rate on the global market for years and this continues to increase hugely.

By 2030 demand will increase to 3389 GWh for e-mobility alone.

Source: Third party consultants, 2020





At your service

Lithium-ion batteries are full of energy; but also come with hazards! In the worst case, defects or non-discharged batteries cause fires or even explosions. Store the batteries safely and cleanly until they are collected or for transport in RETRON containers. The heat-resistant containers without inert filling material provide extreme heat protection, are dust-free, easy to handle, adaptable and safe. They can easily be integrated in any operation and can be rolled and stacked as well offering protection against heat, flames and projectiles.

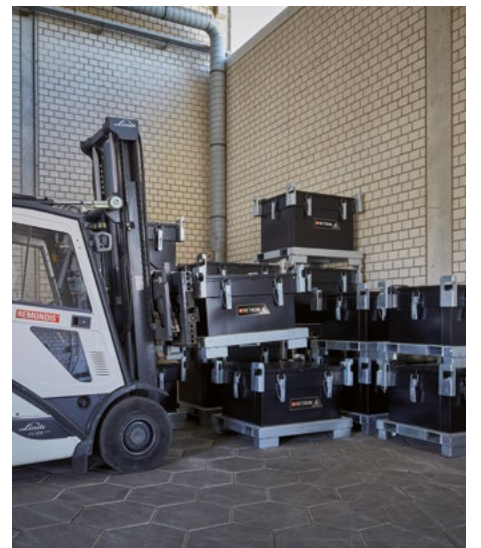




Multi-talents: the range of containers

The high-temperature resistant RETRON containers provide ideal protection in the event of a thermal runaway. The impressive insulation means that even with an inner temperature of 1,000°C the outside temperature remains below 100°C for three days. The boxes protect against pressure shocks and projectiles and can also be connected to an exhaust gas venting system. The RETRON BOX – our smallest box – is the lightweight version and a particularly good alternative for consumers: it provides protection against flames and flying battery and casing parts. RETRON containers are ideal as changeable or stationary storage systems. Select the solution for your needs to store and transport batteries from device batteries to heavy traction batteries.





RETRON. A system full of benefits

The RETRON storage and transport system of innovative containers offers a great many benefits for households, trade, industry and municipalities.

Contact us. Our field staff will be pleased to visit and advise you on individual solutions.

The statutory take-back obligation for lithium-ion batteries poses huge challenges for trade and municipalities. End-of-life batteries must be stored safely to reduce the hazards posed by damaged batteries. The RETRON UN-approved collecting containers are available in various sizes and versions with castors or stackable. The high-temperature resistant containers also protect against pressure shocks and projectiles and in emergencies an exhaust gas venting system is used. The RETRON containers can also be used as changeable systems or stationary storage systems for batteries not currently in use.

Safe take-back system

Defective and end-of-life batteries are stored safely and dust-free in the boxes without inert filling material until they are collected or taken away. If you have booked our complete service then the RETRON mobile unit collects the stored batteries and places them for safe disposal and recycling.

Through RETRON, REMONDIS also supports the municipal recycling centres that take care of battery take-back for the general public. The correct storage in the RETRON system ensures the safety of staff and protection of the environment at recycling centres.

From consulting to maintenance – the RETRON service package

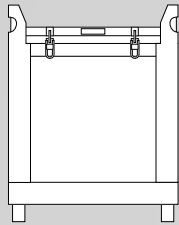
The RETRON service package provides you with a comprehensive range of services for hazardous lithium-ion batteries. We help and support you any time from consulting to staff training and information, maintenance and exchanging RETRON containers to collection and safe disposal of your lithium-ion batteries including drawing up optimum and tailored system solutions for your company.





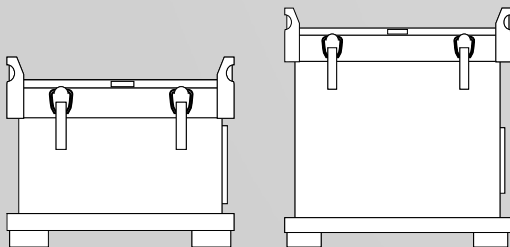
RETRON BOX

Areas of use	Lithium-ion batteries Devices containing lithium batteries
Weight	9 kg
Dimensions	520 x 420 x 200 mm
Internal dimensions	474 x 384 x 190 mm
Inner volume	35 liters
Material	Coated sheet steel container body
Special features	Storage, transport and charging of lithium-ion batteries



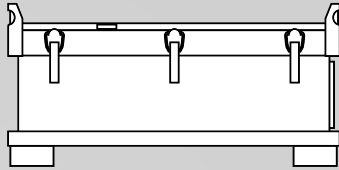
RETRON container 240

Areas of use	Lithium-ion batteries Lithium-metal batteries Devices containing lithium batteries
Tare weight	110 kg
Max. gross weight	309 kg
Dimensions	715 x 715 x 845 mm
Internal dimensions	500 x 500 x 615 mm
Inner volume	155 liters
Material	Container body made of hot-dipped galvanised steel
UN-approved	As steel box (4A) for VG I (X code)
Fastenings	Adjustable solid metal fasteners on all sides (6 in total)
Special features	Lift truck compatible from any side



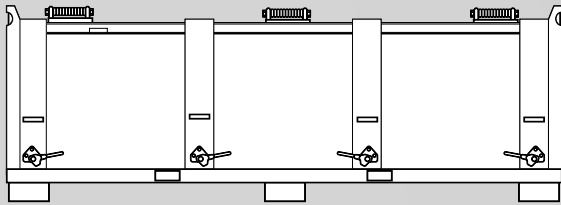
RETRON container 460 / 600

Areas of use	Lithium-ion batteries Lithium-metal batteries Devices containing lithium batteries
Tare weight	235 kg / 255 kg
Max. gross weight	450 kg / 491 kg
Dimensions	1.200 x 1.000 x 825 mm / 1.200 x 1.000 x 1.025 mm
Internal dimensions	940 x 740 x 495 mm / 940 x 740 x 700 mm
Inner volume	344 liters / 489 liters
Material	Container body made of hot-dipped galvanised steel
UN-approved	As steel box (4A) for VG I (X code)
Fastenings	Adjustable solid metal fasteners on all sides (6 in total)
Special features	Lift truck compatible from any side



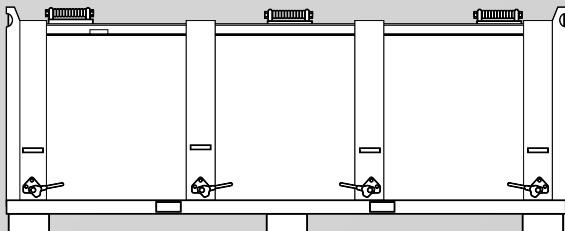
RETRON container 750

Areas of use	Lithium-ion batteries
Tare weight	approx. 359 kg
Max. gross weight	759 kg
Dimensions	1.712 x 1.211 x 831 mm
Internal dimensions	1.450 x 945 x 490 mm
Inner volume	690 liters
Material	Container body made of hot-dipped galvanised steel
UN-approved	As steel box (4A) for VG I (X code)
Fastenings	Adjustable solid metal fasteners on all sides (6 in total)



RETRON container 3000

Areas of use	Lithium-ion batteries
Tare weight	1,4 t
Max. gross weight	2,67 t
Dimensions	3.060 x 2.100 x 1.055 mm
	Height with open flap: 2.000 mm
	970 mm tray
Internal dimensions	with tray: 2.300 x 1.630 x 420 mm
Inner volume	approx. 3 m ³
Material	Container body made of hot-dipped galvanised steel
UN-approved	As steel box (50A) for VG I (X code)
Fastenings	4 fastenings at the front and 2 additional at each side
Special features	Pull-out tray incl. adjustable load-securing element



RETRON container 4000

Areas of use	Lithium-ion batteries
Tare weight	1,62 t
Max. gross weight	2,89 t
Dimensions	3.060 x 2.100 x 1.230 mm
	Height with open flap: 2.300 mm
	970 mm tray
Internal dimensions	with tray: 2.400 x 1.700 x 570 mm
Inner volume	approx. 3,8 m ³
Material	Container body made of hot-dipped galvanised steel
UN-approved	As steel box (individual verification from BAM No. 15757 for VG I (x code)
Fastenings	4 fastenings at the front and 2 additional at each side
Special features	Pull-out tray incl. adjustable load-securing element



RETRON is part of REMONDIS group, one of the world's largest recycling, service and water companies. The company group has associated businesses in more than 30 countries in Europe, Africa, Asia and Australia. With over 30,000 employees, the group serves around 30 million people as well as many thousands of companies. The highest levels of quality. Working for the future.

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A service of the REMONDIS group