

# SAFE CHARGING



THE GOOD FEELING OF  
BEING PROTECTED





# Why we use the RACLAN box for safe Charging and storing lithium-ion batteries have developed: Because we want to protect people and the environment.



Lithium batteries have been an integral part of our everyday lives for several years. More and more compact and powerful batteries are being developed and are thus constantly expanding the possible applications for wireless devices.

The explosive burning of a battery (thermal runaway) is increasingly causing severe fire damage and personal injury. The Swedish institute RISE (Research Institutes of Sweden) has published a far-reaching study that describes the enormous risk of lithium batteries.

## Functions of the RACLAN-Box

The lithium batteries are placed in the box together with the chargers and connected ①. The front flap is then securely closed ②. Now the power supply is switched on and monitoring electronics control the charging process and the interior of the box.



If the system detects a rise in temperature or smoke gas, it immediately reports an optical and acoustic alarm. A WLAN connection to the house alarm system is also possible.



In the event of an alarm, the pressure-free extinguishing system sprays an environmentally friendly extinguishing agent and coolant over the batteries, thereby stopping the fire. The resulting mixture of smoke and gas is routed through filters in the exhaust gas management system so that no toxins can escape to the outside.



## Compelling advantages:

- Non-flammable case
- Extinguishes extremely fast
- Ultra-light weight
- Very simple handling
- Explosion proof
- Integrated pressure-free extinguishing and cooling system
- Safe to use in enclosed spaces
- Environmentally friendly and biodegradable
- Free from hazardous materials
- Real fire and explosion proofed by DMT (TÜV NORD)
- Emergency power supply for the monitoring electronics



# LITHIUM BATTERY BOX

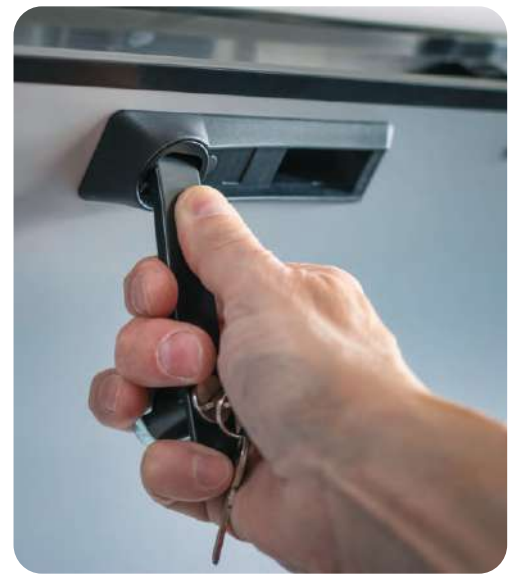


FIRE SAFETY CONCEPTS

Real fire and  
explosion proofed by



A company of  
TUV NORD GROUP  
Excellent for your business



The FISACON GmbH is a German engineering and production company. It develops and produces the unique RACLAN Boxes for the safe handling of lithium batteries. Another business area is pressure-free fire extinguishing systems for private and commercial applications.

join us on   

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