

Technical data of the Afb Battery box

A safety-critical defective battery is classified as hazardous goods and may not be transported by a regular shipping service provider or by private car. Based on real fire tests and the officially certified safety concept of the Afb Battery Box with, among other things, thermal insulation and flue gas filtering, you can store your safety-critical defective device batteries safely in your own company premises. If one or more safety-critical defective batteries are stored in a Battery Box, please inform Afb and arrange for collection as soon as possible. A collection from employees in home office is also possible.

The Battery Box is a hazardous goods transport box certified to ADR 2019 P911 / LP906 for the storage and transport of safety-critical defective lithium-ion batteries. The model used as part of the Battery Box hire is a „LogBATT S-1“.

General data

Dimensions (WxDxH)

External dimensions: 600 x 400 x 340 mm
 Internal dimensions: 480 x 280 x 180 mm
 Weight: 9.5 kg
 Max. load: 20 kg

Other features

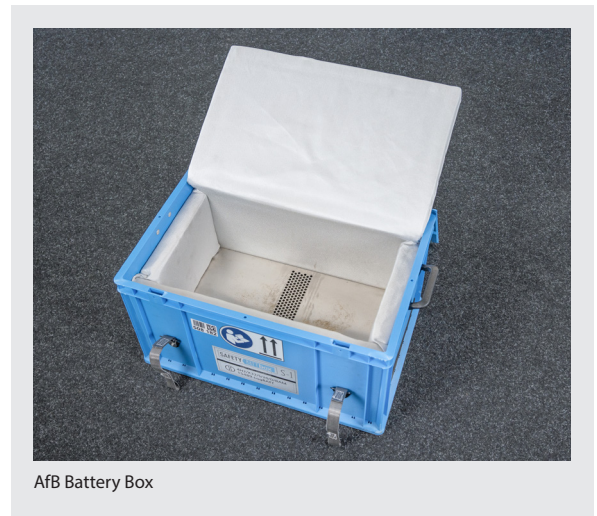
- Officially certified safety concept
- Gas management system: Flue gas only passes through filter system and exits via defined openings
- Filtering of hydrogen fluoride (HF)
- Protection against splinters during explosion
- Thermal insulation: maximum external temperature of the box of 100°C even when the battery is burning
- Professional processing in accordance with ADR/German haz. goods ordinance GGVSEB by our trained personnel

Services

- Emergency management: Call us if you have a safety-critical defective battery. We will organise collection as quickly as possible.
- Prevention: Rent a Battery Box so that you and your employees are well prepared and can react quickly in an emergency.



Battery Box collection



Afb Battery Box

Contact

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FAQs on the Battery Box

Transport

Why are devices with inflated or damaged lithium-ion batteries not allowed to be transported in a car or on a normal lorry?

These batteries are hazardous goods. In addition to the acute fire hazard of the batteries, the gases produced are particularly harmful to health and should not be inhaled. For this reason, special requirements apply to transport.

Why can only 5 Afb Battery Boxes be accepted per transport?

The transport takes place with a special vehicle and the maximum loading capacity is reached with 5 Afb Battery Boxes.

Storage

I have removed the defective battery from my laptop. Do I also have to put my laptop in the Afb Battery Box?

It is sufficient to place the defective battery in the Afb Battery Box. The laptop can continue to be operated normally with a new battery as long as no other damage has been caused by the battery.

What do I have to consider with the defective batteries in the Afb Battery Box?

Please note that the battery contacts must be taped. After inserting the safety-critical defective batteries, the Afb Battery Box is closed.

Permanently installed / built-in batteries

What do I do if the battery of my laptop is inflated and has been permanently installed?

This often happens with smartphones, Microsoft Surfaces or Apple Macbooks. In some of these models, batteries and data carriers are permanently installed. After collecting the devices, we take care of securely deleting the data if the condition of the device allows it. If deletion is not possible, the device and the data it contains will be destroyed and documented in accordance with BSI basic protection.

Why are some devices with defective batteries destroyed?

In line with our own sustainability goals, we try to save every device with a defective or inflated battery. However, if the device poses a risk of explosion after the first inspection, we have to protect our employees and recycle the device properly.

Can other defective IT devices also be packed in the Afb Battery Box?

Yes, as long as they have a safety-critical defective battery. Normal IT devices are collected and can be transported on a regular Afb lorry.

Installation location of the Afb Battery Box

How does the Battery Box have to be set up?

The box must be stored at a distance of 2.5 metres from other objects and 5 metres from flammable materials.

Can a „splintering effect“ or general sparking be ruled out?


According to the ADR regulations, no flames or projectiles may escape from the crate. We have proven this in a test for approval as a transport crate. The procedure described for packing and the tested number of kilowatt hours must be observed.

Is leakage of electrolytes (e.g. via the gas management system) conceivable? How is this prevented?

Yes, leakage is conceivable. For this purpose, absorbent material is installed in the bottom/filter. This material and its approval in accordance with P911 and P908 has been confirmed by MPA Dresden.

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