



Celsion Battery Case - Furnishing item



## CBC - CELSION BATTERY CASE

Without permanent cooling in critical  
condition to prevent thermal runaway



GERMAN  
ENGINEERING



**solution  
for fire protection  
from the inside**



**solution  
for fire protection  
from the outside**





# WE SELL TIME

## COMPANY PORTRAIT

Celsion Brandschutzsysteme GmbH is one of the leading fire protection companies and has been your partner in fire protection for more than 20 years.

By protecting escape routes and safeguarding functional integrity in a case of fire and by being involved in various working groups and standards committees, we not only view ourselves as a manufacturer of products, but as a customer-related service provider.

During planning phases, we offer innovative solutions that are individually coordinated with planners and architects to ensure smooth building processes. Celsion develops, designs and produces fireprotection cabinets (free-standing and wall cabinets, wall add-on enclosures), inspection doors and fire-resistant partition wall systems for a wide variety of applications.



Training room  
Munich

Production plant,  
Werk II

Training room  
Spreetal

Technical office  
Mainz

Training room  
Mainz

Production plant,  
Werk I

Technical office  
Munich



# 30

CBC Big

CBC Small

**CBC - SMALL OR BIG  
CELSION BATTERY CASE**



# CBC

Small or big

Celsion Battery Case  
- Furnishing item

\*\*\* Also available as a design with fire resistance from outside and inside \*\*\*

Suitable  
for functional integrity  
for 30 minutes

Fire resistance: 30 minutes  
Fire from inside and outside: 30 minutes



example design

## Areas of application - escape routes and corridors in:

Residential and office buildings  
Industrial buildings  
Sales outlets  
Schools and day-care centres  
Nursing homes and hospitals  
Public meeting places  
Restaurants and hotels

## Fields of application



### Fire load insulation

- To protect emergency escape routes



### Fire resistance

- For fires from outside



### Smoke-retardant

- With a surrounding seal to prevent smoke penetration

**As an option, the system can also be upgraded or adapted with the following components:**

- Battery tray, which prevents leakage of battery acid
- Fire detector
- Extinguishing cartridge which, in conjunction with the fire detector, delays the spread of fire
- Lock cylinder in the swing lever
- Fan
- Ventilation openings

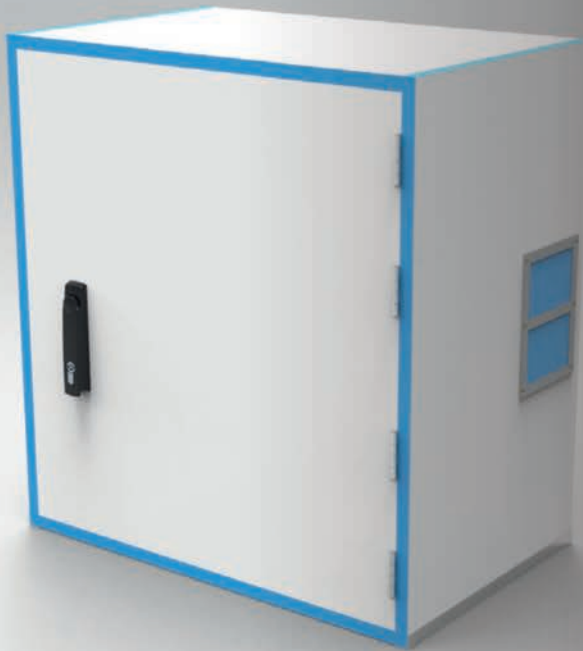


Development principles or  
European scope of testing:

EN 1634-3, EN 1363-1, EN 13501-1+A1  
EN 13501-2+A1, ČSN 73 0848

In the sense of the  
European classification  
criteria:





**Celsion Battery Cases** are suitable for storage and charging of undamaged batteries, especially lithium-ion batteries, e.g. of e-bikes and e-scooters or other small batteries, which can be placed in the enclosure with enough distance.

When installing the system, it must be ensured that the usual ambient temperatures of approx. 20°C must be maintained and the system is mounted to a solid F30 wall. When installing in staircases or necessary corridors, it is important to note, that the version with the approval „fir from the inside“ is selected, so that it meets the possible building law requirements.

Ventilation may have to be omitted.

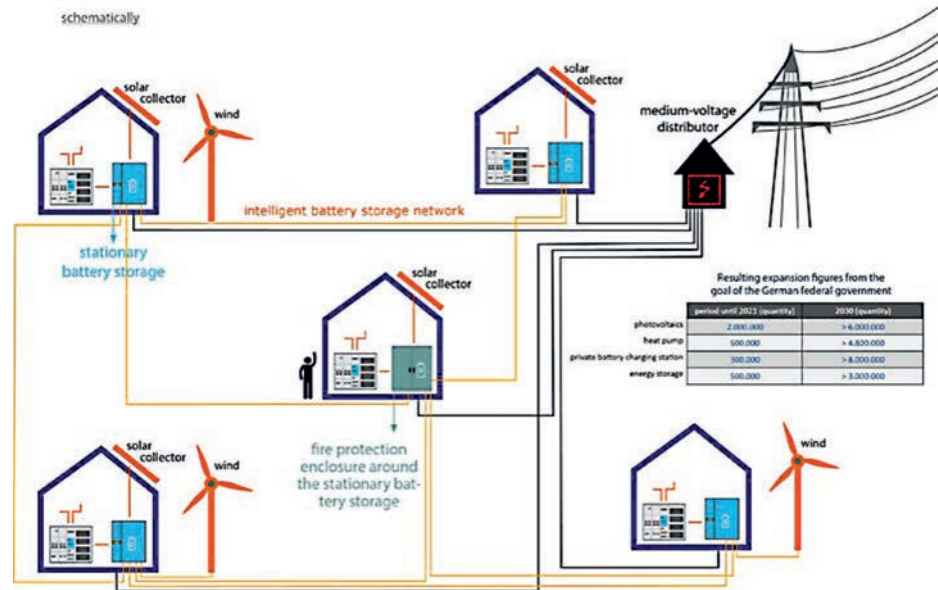
The **Celsion-CBC** enclosure series is available in various versions: On the one hand with an approval (aBZ, e.g. series FWE) on the basis of the MLAR guideline point 3.2.2, if e.g. storage, charging or discharging of batteries or chargers is to take place in escape routes (entrance areas, stairwells and associated corridors, etc.). Alternatively, it is possible to use a tested system without building code requirements, e.g. based on the VdS Recommendation 3471 2020-06 (currently still a draft) with a fire-resistance enclosure/cabinet system to ensure the following: For example, when charging the batteries of pedelecs or e-bikes, the requirements set out in the above-mentioned VdS, point 12 „Charging of pedelecs or e-bikes“, the fire-protected environment required under e) or charging in a suitable cabinet system under q) is assured. According to the research report no. 159 „Special features and risks of alternatively powered vehicles“ from the year 2020 of the Karlsruhe Institute of Technology (KIT) - Research Center for Fire Protection Technology, the charging process of a lithium-ion battery can be a potential fire hazard. Various influencing factors can cause pre-damage to the battery, for example in two-wheeled electric vehicles (e-bikes, pedelecs...) or small electric vehicles, which are often not directly recognizable for the user, but, in worst case, can lead to critical conditions, such as a fire, when the battery is being charged.

Product series **Celsion-CBC small** with individual equippable cable entry can be ordered as a wall mounting cabinet with internal dimensions 550 x 500 x 290 mm (HxWxD) and outer dimensions 728 x 678 x 365 mm (HxWxD). The system can be additionally equipped with a permanently installed socket.

Product series **Celsion-CBC BIG** has internal dimensions of 1600 x 900 x 400 mm (HxWxD) and outer dimensions of 1778 x 1078 x 494 mm (HxWxD).

The system is available as a floorstanding cabinet with shelves and a floor tray. It can be ordered with wall or floor mounting (free standing) material.

## Fire protection enclosure for stationary battery storage











We view your project  
from your perspective  
and offer you  
individual solutions.



wall partitioning systems  
standing and wall distributors  
inspection doors  
tunnel systems  
IT-network systems  
special design



## Regulations, norms and laws - a short excerpt

### Please refer to:

#### International

**the individual state building orders and fire protection - or life safety guide-lines,  
administrative rules and technical building regulations valid in the individual federal states**

IEC 60364-5-56 Ed.3.0 2018

IEV International Electrotechnical Dictionary

ISO 834-1

EN 1366-11

EN 1363-1

#### Dubai/UAE

**UAE Fire and Life Safety Code of Practice 2018**

#### India

**National Electrical Code of India 2023**

**National Building Code of India 2016**

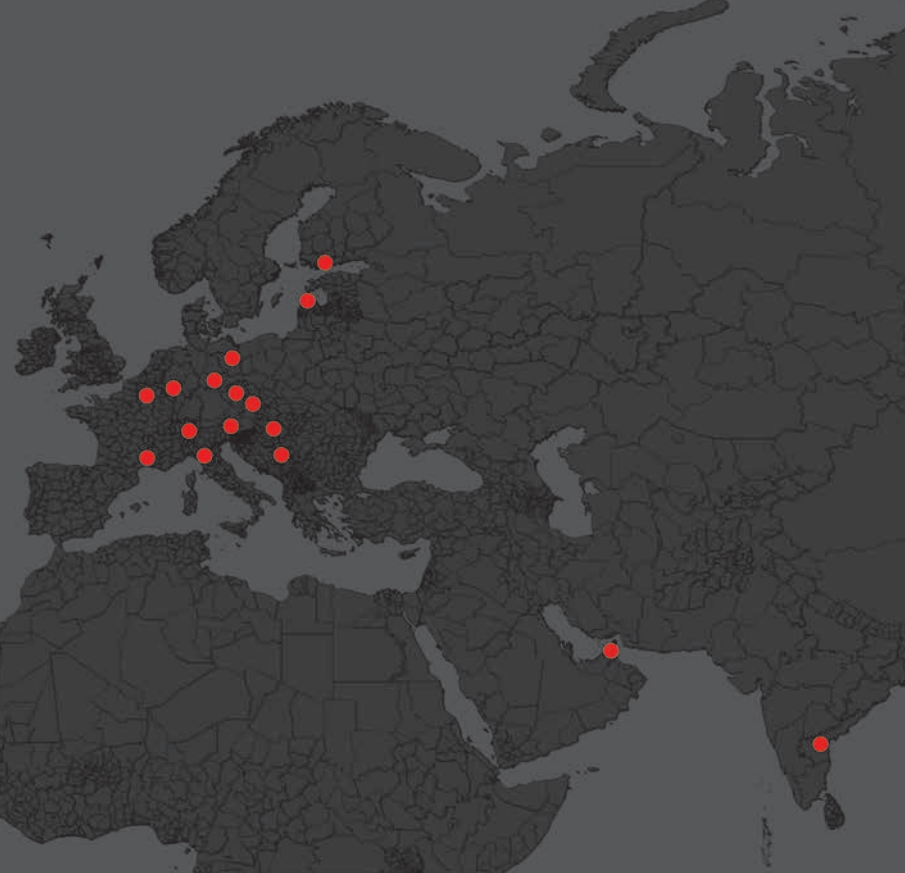
**List not exhaustive - for orientation purposes only.**

**Please observe the customer-specific and building regulations, specifications and notes.**















You can obtain further information from the main catalogue,  
the operating and assembly instructions and the proof of suitability.







## International sales locations

-  Germany, Dresden
-  Austria, Klagenfurt
-  Switzerland, Zurich
-  France, Villerbanne
-  Luxembourg, Bettembourg
-  Italy, Turin
-  Czech Republic, Prague
-  Slovakia,
-  Hungary, Budapest
-  Serbia, Belgrade
-  Estonia, Tallinn
-  Finland, Vantaa
-  India, Chennai
-  UAE, Dubai



### Administration & International Sales

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