Atelier Boonen - De Raat Batrea lithium-ion safe



Additional information

brand: De Raat Safes

De Raat Batrea – Safety cabinets for storing and charging lithium-ion batteries

The De Raat Batrea range has been specifically developed for the safe storage and controlled charging of lithium-ion batteries. These safety cabinets are tested in accordance with the latest VDMA 24994 standard and provide 60 minutes fire resistance (I/O60) – both from outside to inside and from inside to outside. This ensures reliable protection against **thermal runaway**, internal battery fire, or external fire exposure.

Equipped with an integrated electrical installation, active ventilation and temperature monitoring, Batrea cabinets create a stable and secure storage environment. Overheating is prevented by automatic

reduction of charging power at elevated temperatures and complete shutdown above 60 °C. In addition, ventilation and smoke extraction ensure a controlled internal climate, avoiding heat build-up and the spread of hazardous fumes.

With their robust steel construction, potential-free contacts for connection to a fire alarm or building management system, and certified fire resistance, Batrea cabinets are the preferred solution for companies and organisations that require a professional and compliant approach to the risks of lithium-ion batteries. Whether in workshops, service centres, distribution warehouses, public utilities, government facilities, or the retail and rental sector for power tools and e-mobility, the De Raat Batrea offers a safe and future-oriented solution.

The Batrea series includes different models, such as the Batrea 1 and Batrea 3, ensuring that there is always a version available to suit the number of batteries and the operational environment.

See also our other safety cabinets for batteries, supplied and installed by our own team in Belgium.

- Tested according to VDMA 24994, class I/O60 – protection against battery fire and component ignition
- 60 minutes fire resistance in both directions
- Active ventilation with a minimum airflow of 30 m³/h, prepared for connection to external smoke extraction
- Temperature protection: charging power reduction above 50 °C, automatic shutdown above 60 °C
- Potential-free contacts for alarm transmission to a fire detection system or building management system
- Robust steel construction with reinforced locking mechanism

Model specifications

Model	Outer dimensions (mm)	Internal dimensions (mm)	Volume (L)	Weight (kg)	Shelves
De Raat Batrea 1	H703 W711 D702	H451 W566 D471	120 L	240 kg	0
De Raat Batrea 3	H1918 W711 D702	H1666 W566 D471	444 L	535 kg	4