Atelier Boonen - De Raat Batrea lithium-ion safe



Additional information

brand: De Raat Safes

De Raat Batrea – fire- and burglary-resistant safes for lithium-ion batteries

The De Raat Batrea is a safe for storing and charging lithium-ion batteries securely. Unlike most battery cabinets, the Batrea is also burglary-resistant: the door and body are built to burglary resistance grade 1 (EN 1143-1), with locking on four sides. It comes with a class A key lock as standard; as with other safes, you can fit a different safe lock, such as an electronic code lock.

The Batrea is tested to VDMA 24994:2024-08 and certified by ECB·S. The Batrea 1 is available in class I/O60 and I/O30, the Batrea 2, Batrea 3 and the new Batrea 5 in class I/O30. The I means that a battery fire inside stays contained in the safe; the number after the O indicates how many minutes the contents are protected in a fire outside the safe.

In the Batrea 1, 2 and 3 you can charge up to 3 kWh of batteries per level, with 5 sockets per level: up to 3 kWh in a Batrea 1, 9 kWh in a Batrea 2 and 15 kWh in a Batrea 3. The wider Batrea 5 has 8 sockets per level and takes up to 25 kWh. At around 50 °C inside the safe it gives a warning and switches off the sockets; below 40 °C they switch back on automatically. At 60 °C or if smoke is detected, an alarm sounds and the power stays off until the safe is reset. The ventilation system (at least 30 m³/h) connects to an external exhaust; if harmful fumes are detected, the ventilation closes automatically. A potential-free contact lets you connect the safe to a fire alarm panel.

How many batteries you may store in a cabinet and what to watch for when charging is explained in our guide to the storage of hazardous substances.

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

- Tested to VDMA 24994:2024-08, certified by ECB·S
- Batrea 1: class I/O60 or I/O30; Batrea 2, 3 and 5: class I/O30
- Up to 3 kWh per level, 5 sockets per level (Batrea 5: 8 sockets, up to 25 kWh)
- Sockets switched off at about 50 °C, alarm and shutdown at 60 °C or smoke
- Ventilation system of at least 30 m³/h, closes automatically if harmful fumes are detected
- Potential-free contact for a fire alarm panel
- Door and body built to burglary resistance grade 1 (EN 1143-1), locking on four sides
- Class A key lock with two keys as standard; other safe lock possible, such as an electronic code lock
- Two anchoring holes in the base; optional plinth
- Colour: light grey (RAL 7035)

Model specifications

Model	Outer dimensions (mm)	Internal dimensions (mm)	Volume (L)	Weight (kg)	Shelves
De Raat Batrea 1	H754 W711 D702	H452 W566 D471	120 L	294 kg	0

Model	Outer dimensions (mm)	Internal dimensions (mm)	Volume (L)	Weight (kg)	Shelves
De Raat Batrea 2	H1269 W733 D702	H966 W544 D471	248 L	450 kg	2
De Raat Batrea 3	H1969 W733 D702	H1666 W544 D471	427 L	630 kg	4
De Raat Batrea 5	H1918 W1195 D702	H1666 W1028 D471	807 L	980 kg	4