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FIREPROOF SAFES FOR STORING AND CHARGING OF LITHIUM-ION BATTERIES

DATA SHEET

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VDMA 24994:2024-08 I/O30

3000 Wh

3000 Wh at one storage level.
Tested on the most dangerous NMC batteries NMC 9-0,5-0,5

The storage cabinets complies with the **VDMA** guidelines **24994:2024-08**, according to which the cabinet can withstand extreme conditions, such as uncontrolled fires and battery explosions, while maintaining the highest safety standards.

The product is tested and certified to **VDMA** standard sheet **24994:2024-08** as an **I/O30** lithium-ion battery storage cabinet.

The certificate is issued by an independent certification body and tested by ECB•S - recognised cooperation partners.

Cabinet construction

- multi-walled cabinet construction of body and door with special insulating compound
- 4-way locking bolt system
- fire-resistant seal system- special smoke and fire seals
- construction of body and door compliant with 1143-1 norm
- Intuitive diagnostic control panel with piezoelectric buttons
- automatic ventilation shut-off system in case of detection of temperature exceeding 60°C
- ventilation system for quick and safe
- connection to on-site ventilation facilities
- wentylation system minimum flow rate 30 m^3

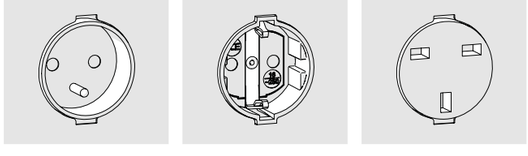
I/O30

MAXIMUM ENERGY LOAD OF EACH STORAGE LEVEL
3000 W

MAXIMUM LOAD CAPACITY ON EACH STORAGE LEVEL
100 KG

Types of sockets

socket type E	socket type F	socket type G
Poland	Germany	United Kingdom
France	Austria	Ireland
Belgium	Netherlands	United Arab Emirates
Czech Republic	Sweden	Singapore
Slovakia	Spain	
	Portugal	



Further information can be found in the operating instructions.

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Technical parameters

norm	VDMA			VDMA			VDMA		
art. no.	**B470006.01.01**	**B470006.01.02**	**B470006.01.03**	**B470007.01.01**	**B470007.01.02**	**B470007.01.03**	**B470008.01.01**	**B470008.01.02**	**B470008.01.03**
socket type	E	F	G	E	F	G	E	F	G
amount of sockets	5 pcs			15 pcs			25 pcs		
maximum energy of the batteries to be stored on each storage level	3000 Wh			3000 Wh			3000 Wh		
maximum energy of the batteries to be stored in the entire cabinet	3000 Wh			9000 Wh			15000 Wh		
maximum energy load of each storage level	3000 W			3000 W			3000 W		
maximum energy load of the entire of cabinet	3000 W			3680 W			3680 W		
maximum load capacity of each storage level	100 kg			100 kg			100 kg		
OUTER DIMENSIONS									
outer body height	704 mm			1219 mm			1919 mm		
ventilation connector height	min. 50 mm			min. 50 mm			min. 50 mm		
overall height	**754 mm**			**1269 mm**			**1969 mm**		
body outer width	711 mm			711 mm			711 mm		
ventilation connector width	-			22 mm			22 mm		
overall width	**711 mm**			**733 mm**			**733 mm**		
outer body depth	702 mm			702 mm			702 mm		
handle depth	60 mm			60 mm			60 mm		
overall depth	**762 mm**			**762 mm**			**762 mm**		
INNER DIMENSIONS (HXWXD)	452 mm x 566 mm x 471 mm			966 mm x 544 mm x 471 mm			1666 mm x 544 mm x 471 mm		
clear door opening	374 mm x 462 mm			889 mm x 462 mm			1589 mm x 462 mm		
amount of shelves/ strage levels	0/1			2/3			4/5		
weight	294 Kg			450 Kg			630 Kg		
cabinet construction	construction of body and door compliant with 1143-1 norm								
door	1 multi-walled door leaf								
locking	4-way locking bolt system								
mounting holes	2 through holes - for optional mounting of the safe to the floor								
lock	key lock - class A with 2 keys of 120 mm length or electronic lock class A								
body	RAL 7035								
extension - control panel	RAL 9005								
ventilation connector	zinc plated steel								
handle and key escutcheon	black								

Diagnostic control panel

Diagnostic control panel in batrea **I/O30** cabinet is equipped in:

- **set of LED lights** - for visual system information
- **set of piezoelectric buttons** - for setting the safe functions
- **Emergency shut-off system (STOP/EMERGENCY)**
- **buzzer**
- **fuse set**

Ventilation system

- automatic closing of the ventilation flap in case of emergency
- ventilation flap position indicator for monitoring the ventilation status

The diameter of connector is **DN100.**