

DATA SHEET



Battery back-up load disconnecter for disconnecting and protecting the battery installation

Protects your Equipment

To protect your battery, installation the grid | fusebox safely cuts off the electrical connection to the battery in case of a problematic failure. This protects the installation by avoiding the occurrence of subsequent damages and catastrophic events, such as melting cables or fires.

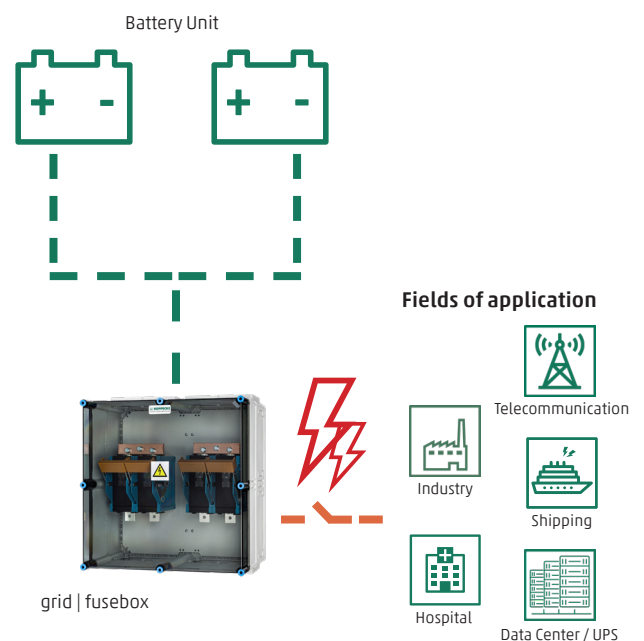
grid | fusebox provides simple as well as instant electrical disconnection of the battery installation in case of excessive load based on the principle of a fusible insert. The insert is selected according to the requirements of the specific application and protects against current overload and short circuit. With grid | fusebox, the protection of your installation is in accordance with DIN EN 62485-2.

Reduces Downtimes

The grid | fusebox provides instant information in case a fuse has tripped. A mechanical knockout triggers a signal that can easily be relayed to an alarm or control system (e.g. SCADA). This allows fast start of failure analysis and subsequent remedy of the root cause. The sector or origin of failure can be identified easily and the availability of the system can be restored in due time.

Fulfills your requirements

Every grid | fusebox fulfills the requirements of your individual installation, where the number of variants is almost infinite. HOPPECKE sizes accordingly by choosing the correct technical set-up (i.e. number of conduits, wire diameter, number and size of boxes, "additional touch protection" etc.). However, a predefined set of components and standardized building blocks helps us to quote and deliver quickly according to your needs.



Product overview **grid | fusebox**

Technical specification

2 breakers

	grid fusebox 160 A	grid fusebox 250 A	grid fusebox 400 A	grid fusebox 630 A	grid fusebox 1250 A *	grid fusebox 1600 A *
Installation size	NH00	NH1	NH2	NH3	NH4	NH4
No. of breakers	2	2	2	2	2	2
Max. current	160 A	250 A	400 A	630 A	1250 A	1600 A
Max. voltage	550 VDC	550 VDC	550 VDC	550 VDC	550 VDC	550 VDC
Min. box dimension	150x300x170 mm	600x300x255 mm	600x300x255 mm	600x300x255 mm	800x600x300 mm	800x600x300 mm
Max. box dimension	400x400x200 mm	750x275x250 mm	750x275x250 mm	750x275x250 mm	1200x600x255 mm	1200x600x255 mm
Connection type	ring lugs M8	ring lugs M10	ring lugs M10	ring lugs M12	ring lugs M10	ring lugs M10
Weight **	2.5 - 9.5 kg	9 - 19 kg	9.3 - 19 kg	11 - 21 kg	39 - 49 kg	44 - 54 kg
Ambient temp **	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C
Degree of protection **	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Mounting	wall-mounted	wall-mounted	wall-mounted	wall-mounted	wall-mounted	wall-mounted

* Separate boxes - optional

** Parameter depends on applied components

Each grid | fusebox can be equipped with additional touch protection inside the box - on request. Drawings available on request.

3 breakers

	grid fusebox 160 A	grid fusebox 250 A	grid fusebox 400 A	grid fusebox 630 A	grid fusebox 1250 A	grid fusebox 1600 A
Installation size	NH00	NH1	NH2	NH3	NH4	NH4
No. of breakers	3	3	3	3	3	3
Max. current	160 A	250 A	400 A	630 A	1250 A	1600 A
Max. voltage	550 VDC	550 VDC	550 VDC	550 VDC	550 VDC	550 VDC
Min. box dimension	300x300x170 mm	750x375x250 mm	750x375x250 mm	500x500x300 mm	1200x900x255 mm	1200x900x255 mm
Max. box dimension	400x400x200 mm	600x600x255 mm	600x600x255 mm	600x600x255 mm	1000x800x300 mm	1000x800x300 mm
Connection type	ring lugs M8	ring lugs M10	ring lugs M10	ring lugs M12	ring lugs M10	ring lugs M10
Weight **	4 - 10 kg	15 - 21 kg	15 - 21 kg	19 - 24 kg	72 - 79 kg	85 - 92 kg
Ambient temp **	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C
Degree of protection **	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Mounting	wall-mounted	wall-mounted	wall-mounted	wall-mounted	wall-mounted	wall-mounted

* Separate boxes - optional

** Parameter depends on applied components

Each grid | fusebox can be equipped with additional touch protection inside the box - on request. Drawings available on request.

Product overview **grid | fusebox**

Technical specification

2 x 2 breakers

	grid fusebox 500 A *	grid fusebox 800 A *	grid fusebox 1260 A *	grid fusebox 2500 A *	grid fusebox 3200 A *
Installation size	NH1	NH2	NH3	NH4	NH4
No. of breakers	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2
Max. current	500 A	800 A	1260 A	2500 A	3200 A
Max. voltage	550 VDC	550 VDC	550 VDC	550 VDC	550 VDC
Min. box dimension	800x600x300 mm	800x600x300 mm	800x600x300 mm	1125x750x250 mm	1125x750x250 mm
Max. box dimension	1125x750x250 mm	1125x750x250 mm	1125x750x250 mm	1200x1200x255 mm	1200x1200x255 mm
Connection type	ring lugs M10	ring lugs M10	ring lugs M10	ring lugs M10	ring lugs M10
Weight **	38 - 42 kg	40 - 43 kg	49 - 54 kg	84 - 111 kg	101 - 144 kg
Ambient temp **	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C
Degree of protection **	IP 65	IP 65	IP 65	IP 65	IP 65
Mounting	wall-mounted	wall-mounted	wall-mounted	wall-mounted	wall-mounted

* Separate boxes - optional

** Parameter depends on applied components

Each grid | fusebox can be equipped with additional touch protection inside the box - on request. Drawings available on request.

2 x 3 breakers

	grid fusebox 500 A *	grid fusebox 800 A *	grid fusebox 1260 A *
Installation size	NH1	NH2	NH3
No. of breakers	2 x 3	2 x 3	2 x 3
Max. current	500 A	800 A	1260 A
Max. voltage	550 VDC	550 VDC	550 VDC
Min. box dimension	1000x800x300 mm	1000x800x300 mm	1000x800x300 mm
Max. box dimension	1200x900x055 mm	1200x900x055 mm	1200x900x055 mm
Connection type	ring lugs M10	ring lugs M10	ring lugs M10
Weight **	54 - 60 kg	56 - 62 kg	66 - 81 kg
Ambient temp **	-40 °C to +55 °C	-40 °C to +55 °C	-40 °C to +55 °C
Degree of protection **	IP 65	IP 65	IP 65
Mounting	wall-mounted	wall-mounted	wall-mounted

* Separate boxes - optional

** Parameter depends on applied components

Each grid | fusebox can be equipped with additional touch protection inside the box - on request. Drawings available on request.

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