

Best for BESS



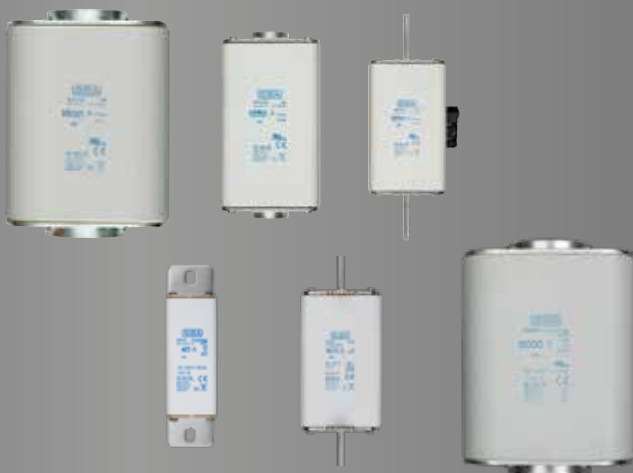
Ultra Rapid Fuses –
small sizes,
large advantages

Our protection.
Your benefit.

SIBA
Sicherungen | Fuses

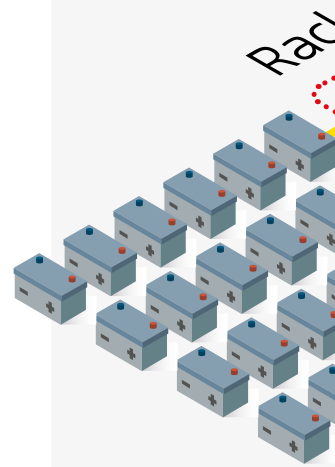
Ultra Rapid Fuses – small sizes, large advantages

Ultra rapid fuses offer the unique benefit of a switching device with the so called “current – and energy limitation” property and a breaking capacity up to 250 kA. It enables the customer to design network components at a greatly reduced financial investment.



Innovative Fuse-Design

We reach highest rated current in smallest sizes from 630 A @ DC 1000V up to 1800 A @ DC 1500 V.



Operating Classes

Fuses are tested in accordance to new battery standard IEC 60 269 -7.

aBat: backup protection of batteries with highest level of breaking capacity

gBat: full range protection of line and short circuit protection

Lowest time constants:

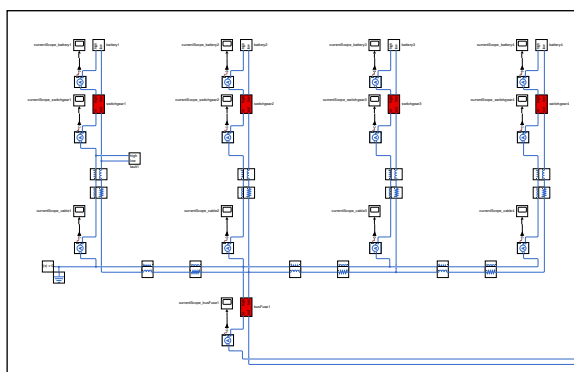
<1ms.

Own Simulation Tool

... considers all relevant selectivity parameters.



... visualizes simulated fuse constellation.

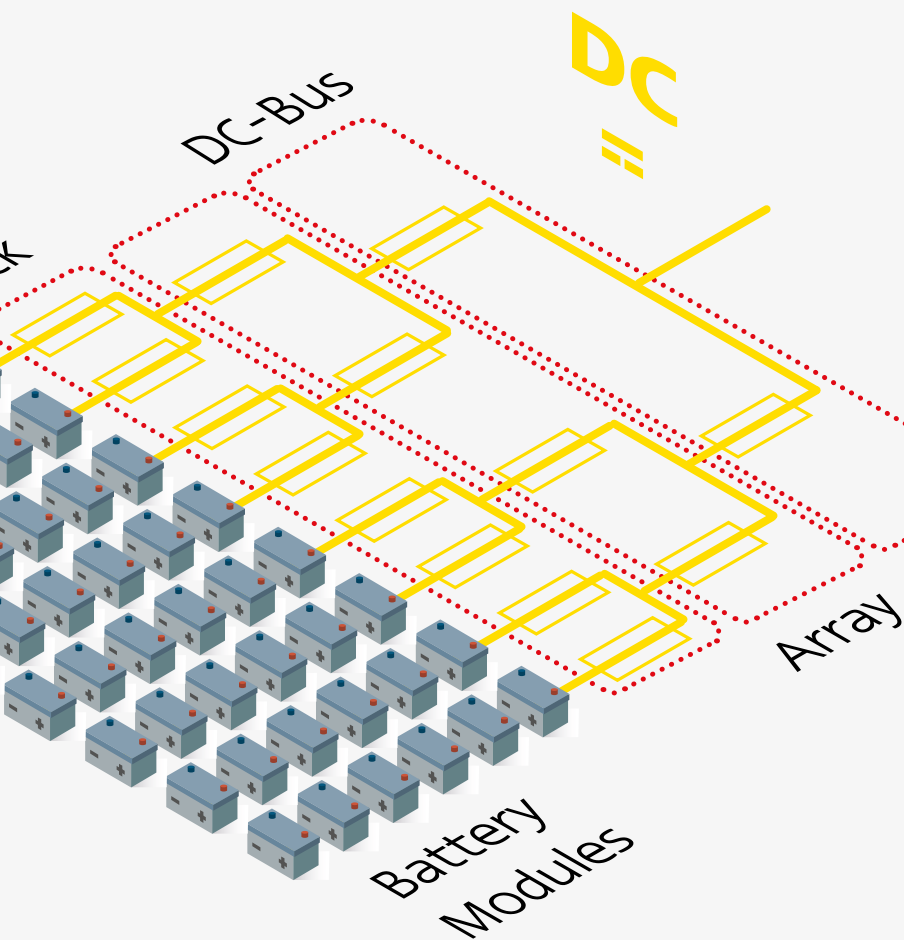


Portfolio of S

Bank

Rack

Modul



Fuse requirements for efficient protection of Energy Storage systems

Fuse Selectivity:

Array – Rack Fuse – Module Fuse
Realization of selectivity between components

I²tA Rack fuse << I²tA module fuse

Applications & Performance:

- Battery Modules up to 1200 A
- Battery Racks up to 800 A
- Battery Banks up to 2000 A
- DC Voltages up to DC 1500 V

IBA fuses for Battery and Energy Storage Systems (BESS)

1000 V DC		1200 V DC	1500 V DC		
SQB-DC102 200 – 630 A	SQB-DC104 800 – 1600 A	SQB-DC124 800 – 2000 A	SQB-DC153/NH3L 200 – 500 A	SQB-DC153/NH3L 200 – 1250 A	SQB-DC154 630 – 1800A
1000 V DC		1500 V DC			
NH0 50 – 200 A	SQB-DC101 63 – 400 A	27x88 mm 40 – 125 A	SQB-DC0 25-400 A	SQB-DC2 125-800 A	
150 V DC		250 V DC		500 V DC	
35x59 mm 35 – 1200 A	17,5x25,5 mm 12 – 250 A	17,5x25,5 mm 12 – 180 A	22x58 mm 12 – 160 A	22x58 mm 12 – 100 A	



● **Headquarter:**

SIBA GmbH

Borker Straße 20-22

D-44534 Lünen

Tel.: +49 2306 7001 0

Fax: +49 2306 7001 10

info@siba.de

www.siba.de

● **Subsidiaries**



What sets SIBA apart



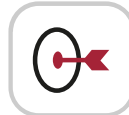
Specialists in fuses and fuse protection technology

Providing customers – their machinery and equipment and of course their personnel – with the highest possible level of protection. And we know that this is good for company profits too: production can continue without suffering lengthy disruptions because if anything untoward should happen our fuses will react immediately to prevent further damage.



Maintaining a global presence

For us 'made in Germany' means 'selling to the world'. With subsidiaries on every continent and sales partners in practically every country world-wide we can supply you with original SIBA fuses no matter where you are.



Staying close to our customers

Many of our products are the result of highly specialised requests from discerning clients. We therefore know our way around manufacturing and production, and our in-house R&D capabilities have also helped us face some of industry's major challenges – from digitisation and the DC factory through to e-mobility and the energy transition.