

A wide-angle, aerial photograph of a large industrial complex, likely an oil refinery or chemical plant, at night. The scene is filled with numerous illuminated structures, including tall storage tanks, processing units, and a network of pipes and walkways. The lights from the facility create a vibrant glow against the dark sky.

**saft**

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## Ni-Cd Block battery range

Proven back-up performance  
and reliability for industrial  
applications



**TotalEnergies**



# Ni-Cd batteries: Saft, the sustainable choice

## Saft benefits

### ► Sustainable

- Saft manufacturing process and recycling capability ensure lowest CO2 footprint

- Saft Ni-Cd wide operating temperature range makes AC and heating redundant, hence saving energy

### ► Reliable

- Long operational life of over 20 years, at least 3 times longer than lead-acid batteries

- No risk of sudden death failure

### ► Economical

- Lowest total cost of ownership



## Recycling of Ni-Cd

Saft operates the only plant in the world that produces nickel-cadmium batteries incorporating metals that have been reclaimed on site from spent batteries, reducing their eco-footprint. The recycling of Ni-Cd batteries is a complex process that involves separating the nickel, cobalt and cadmium from the electrodes, a process perfected by Saft's plant in Oskarshamn, Sweden. This plant in Sweden is the only one in the world which combines the recycling of used batteries and the manufacturing of new ones, hence facilitating the incorporation of recycled materials into new products.

Saft operates a network of over 30 bring back points worldwide that receive spent Ni-Cd batteries manufactured by Saft. The bring back points located in northern Europe bring these used batteries back to Oskarshamn, minimizing transportation. Other bring back points work with other fully permitted recycling partners selected by Saft. This take back and recycling service ensures that the recycling efficiency mandated by the EU battery directive is met and that we have closed the loop on responsible production of Ni-Cd batteries.

## Ecovadis

In 2021, the sustainability performance of Saft was evaluated by Ecovadis, a leading Environment and Social Responsibility rating Agency.

This evaluation focuses on the following matters: environment, labor and human rights, ethics as well as sustainable procurement.

**We are proud to share the findings of Ecovadis about our company:**

- Ranked amongst the top 4% of all rated companies
- Awarded the Ecovadis Gold Rating
- Ranked within the top 2% of companies involved in the manufacture of batteries and accumulators.



# Meeting industry's power back-up challenges

## Make Saft your long term partner

Saft has been a trusted battery partner for the world's leading industrial players for over 100 years, with a range of well-proven solutions that deliver secure energy for stationary applications. Saft's products are designed to meet the reliability, safety and security challenges of today's industrial landscape where they provide power back-up, starting power and bulk energy storage. Saft's commitment to research and development and innovative engineering ensures that our nickel-cadmium (Ni-Cd) batteries offer the very latest in design, quality and industrial process technology. They also come with comprehensive through-life global service support, from initial consultancy to volume delivery, including training, maintenance and expert technical back-up.

## Saft Block batteries: flexible solutions for a wide range of industrial applications

### Reliable and robust batteries for back-up power

Stationary batteries are used in refineries, power plants, onshore & offshore oil & gas industries, substations, airports & building infrastructure – locations where it is absolutely critical to have batteries that will work when they should, even under extreme operating conditions. Power is absolutely vital to Uninterruptible Power Supply (UPS) systems, switching and transmission functions, emergency and security systems, industrial fire monitors and alarms, process control installations, substation switchgear, signaling systems and more. If the primary power source for these applications is suddenly unavailable, a back-up system provides a temporary source of power until primary power

re-engages or while systems operators perform a controlled shutdown.

But back-up power is only as good as the stationary battery that enables it!

### Instant starting power

Cranking up an emergency generator or switching on heaters, pumps or other equipment requires batteries that are very reliable, offer high discharge capabilities and function properly in extreme temperatures. Saft batteries recover their voltage instantaneously, making them the ideal choice for starting applications.

Power generation  
UPS  
Emergency and security systems

Refineries  
Process control  
installations

Switching and transmission  
DC back-up  
Industrial fire monitors and alarms

SCADA

# Saft LE/M/H Block battery range: a wide choice of capacity and performance

Saft has developed the SBLE, SBM and SBH ranges of block batteries to offer the optimum, flexible solution for all stationary applications. The choice of low rate discharge, medium and high performance types makes it easy to select the ideal battery,

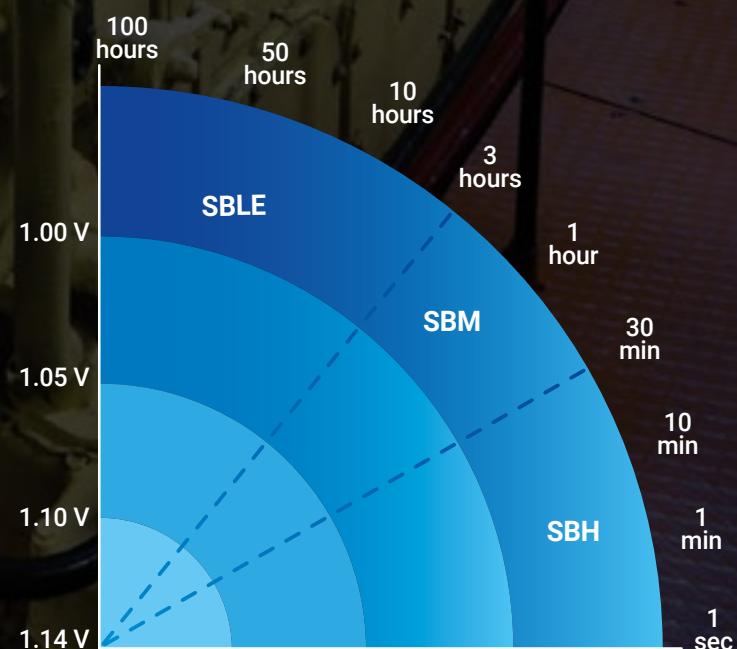
based on the required discharge time and end of discharge voltage. Thanks to the robust and reliable Saft Nife® pocket pocket plate technology they resist electrical abuse, shock and vibrations. Furthermore, a generous reserve of electrolyte means that the block

batteries need only basic maintenance, while operating across a wide range of fluctuating temperatures. This ensures an optimized Total Cost of Ownership (TCO) over a life cycle that can last 20 years or more.

	LE Type	M Type	H Type
Capacity steps	58	68	51
Capacity	7.5 – 1690 Ah	11 - 1445 Ah	8.3 – 920 Ah
Performance	For low rate discharge over long periods between 1 and 100 hours	For varied loads with low and high discharge rates between 30 minutes and 3 hours	For high rate discharge over short periods less than 30 minutes
Applications	Power back-up applications		Power back-up and starting applications

## From seconds to hours - every discharge need is covered

Saft has a Block battery range to suit every discharge profile from 1 second to 100 hours



# Saft Ni-Cd technology - the proven advantages of a safe and robust design



## Specify the ideal battery for every application

- Performance optimized for each application according to plate thickness.

### LE type

- Thicker plates
- High energy
- Low cost per Amp at low rates

### M type

- Thinner plates
- Medium power
- Optimised between H and L design for mixed loads

### H type

- Thinnest plate
- High power
- Low cost per Amp at high rates

- Optimized design boosts electrical performance by up to 10% depending on discharge time.
- Twice the number of capacity steps compared with previous designs enables accurate matching with calculated amp-hour requirements.

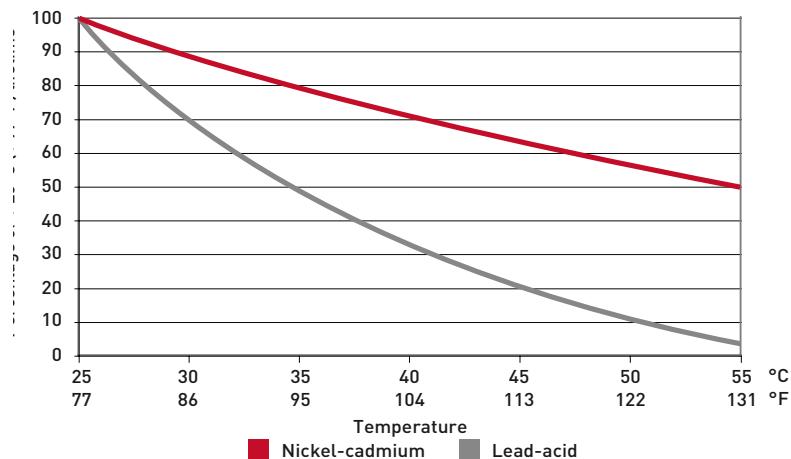
**Improved performance and more capacity steps allow you to select the best, cost-effective battery for your application.**

## Ni-Cd means proven reliability

Saft's robust Ni-Cd technology sets the benchmark for industrial batteries operating in difficult and demanding conditions.

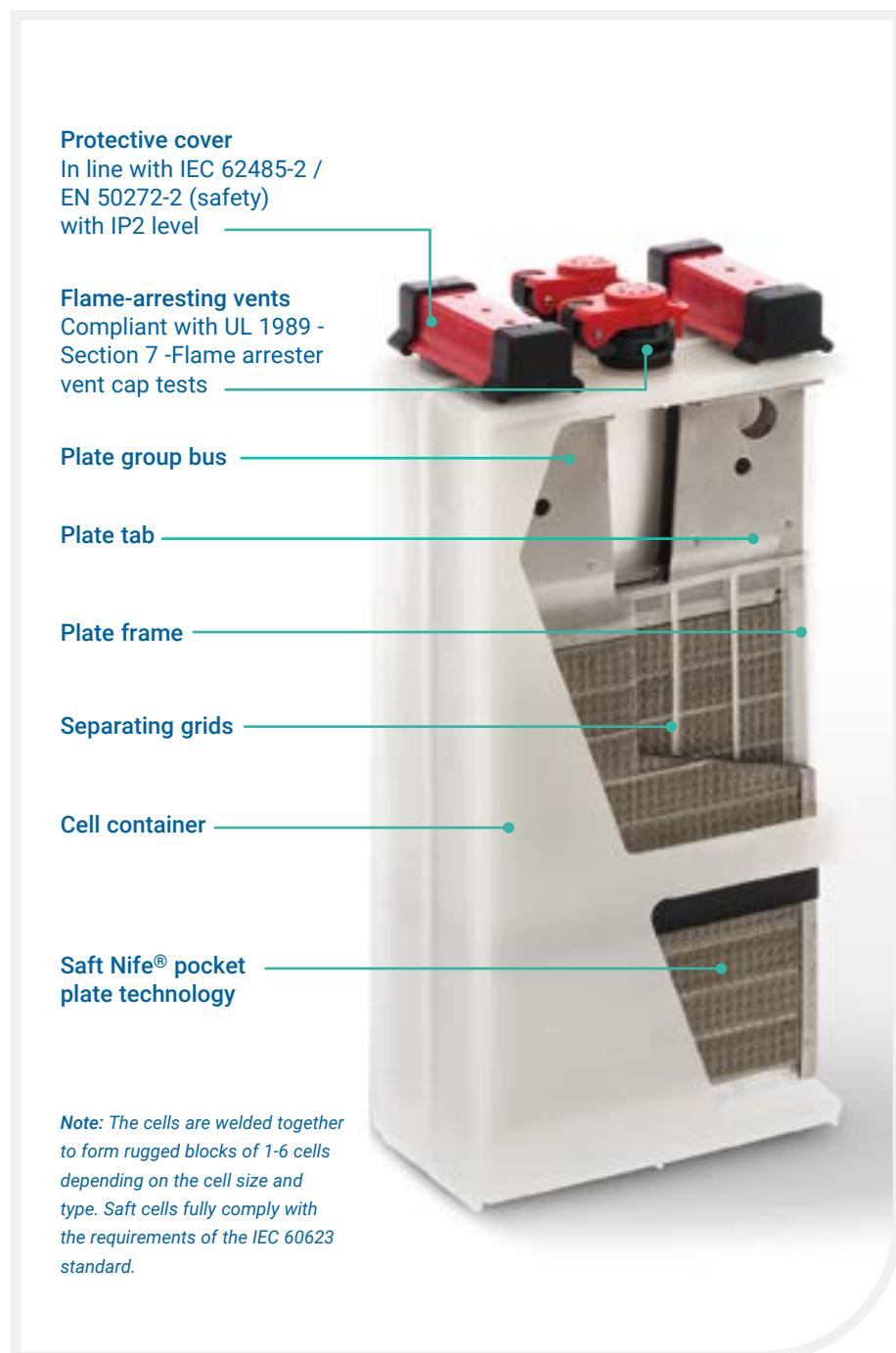
- Delivers performance, reliability and a long, totally predictable, service life – with no risk of sudden death failure.
- Ensures a 20-year plus service life at + 25°C (+ 77°F).
- Even at + 35°C (+ 95°F), lifetime falls by just 20% compared with a 50% reduction for a lead-acid battery.

Effect of temperature on lifetime



## Block battery construction -

- The steel pocket plate structure does not suffer from « sudden death » or internal corrosion since there is no interaction between the active material and the electrolyte.
- Tough polypropylene casing ensures structural integrity throughout a long life.
- An engineered electrolyte solution delivers optimum performance without causing degradation of plate materials.
- Plenty of space is allowed for a good reserve of electrolyte.
- A special electrolyte is available for extremely low temperature applications.
- A specially designed flame arresting flip top vent ensures the battery does not produce corrosive emissions.
- The Block battery offers a long shelf life when stored under Saft's recommended conditions and is easy to install.



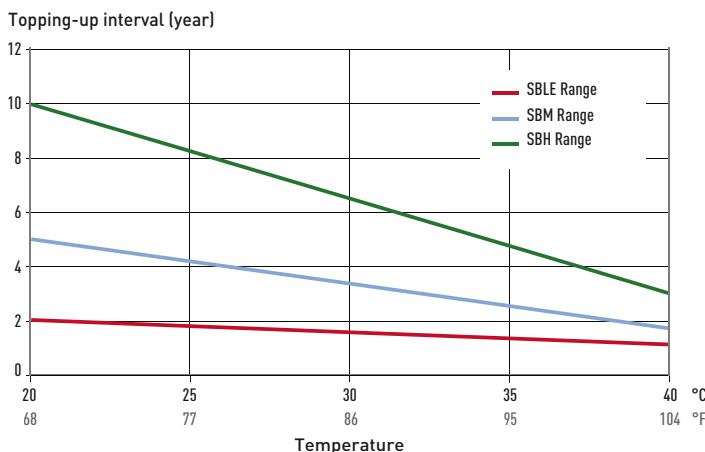
# Setting the benchmark for industrial batteries

## Low maintenance means lower lifetime costs

- Topping-up intervals are now up to two times longer under standard conditions at + 20°C (+ 68°F) and at float voltage.
- A simple annual maintenance exercise is recommended to check correct functioning of the charging system, battery and the auxiliary electronics.
- Easy maintenance thanks to:
  - Visible electrolyte level
  - Simple bolted connector for fast installation and allowing the battery to be quickly commissioned



Typical topping up intervals at recommended charge voltage



## Higher chargeability minimises down time

- Faster recharge time enables at least 80% recovery of capacity from fully discharged conditions in 15 hours at float voltage level. to be quickly commissioned

### Recommended charging voltage:

#### → For two level charge:

##### - Float level:

$1.42 \pm 0.01$  V/cell for SBLE

$1.40 \pm 0.01$  V/cell for SBM and SBH

##### - High level:

1.47 - 1.70 V/cell for SBLE

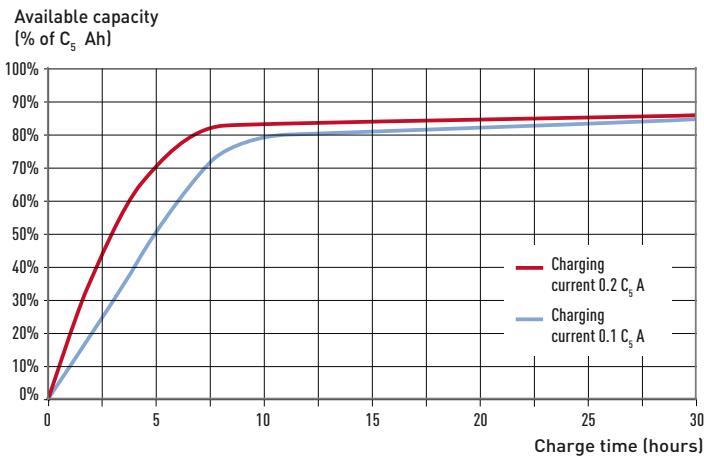
1.45 - 1.70 V/cell for SBM and SBH

A high voltage will increase the speed and efficiency of the recharging.

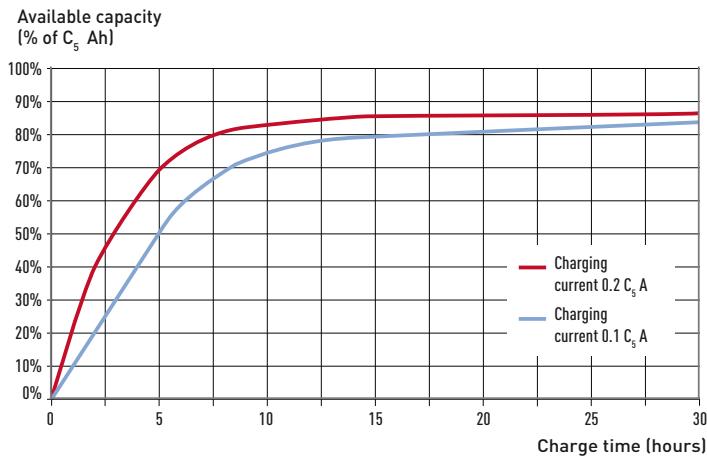
#### → For single level charge:

1.43 - 1.50 V/cell.

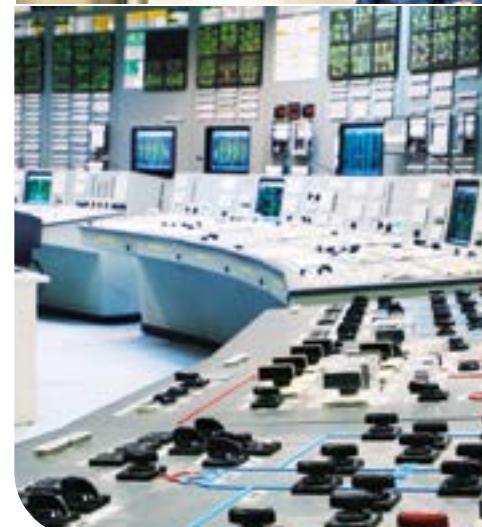
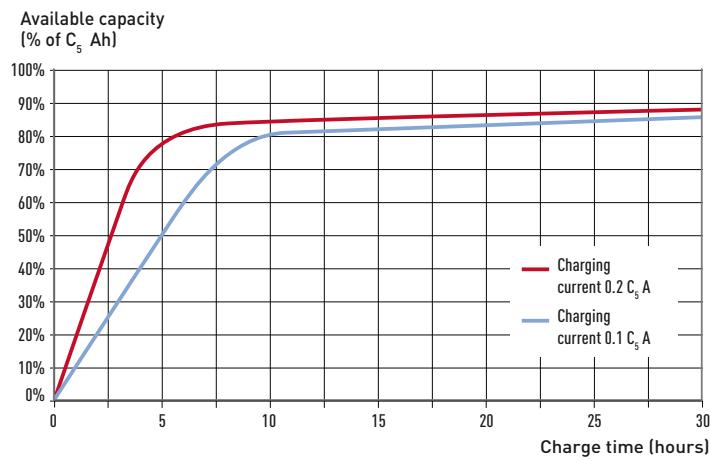
**SBLE Range - Available capacity after constant voltage charge at 1,42 V at + 20°C (+ 68°F)**



**SBM Range - Available capacity after constant voltage charge at 1,40 V at + 20°C (+ 68°F)**



**SBH Range - Available capacity after constant voltage charge at 1,40 V at + 20°C (+ 68°F)**





# Quality built, quality tested for durability and performance



**Saft Block batteries are designed in full compliance with the highest quality, safety and environmental standards**

## Electrical characteristics

- Certified IEC 60623 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Vented nickel-cadmium prismatic rechargeable single cells.

## Safety

- Complies with EN 50272-2/ IEC 62485-2 - Safety requirements for secondary batteries and battery installations - Part 2: Stationary batteries - The protective covers for terminals and connectors, the insulated cables are compliant with IP2 level protection against electrical shocks according to safety standard.
- Complies with UL 1989 - Section 7: Flame arrester vent cap tests - UL standard for safety for standby batteries.

## Quality

- ISO 9001 and ISO 14001
- Saft world class continuous programme

## Environment & Recycling

- Fully recyclable
- RoHS – Although batteries and accumulators are not within the scope of the RoHS directive, Saft has taken voluntary measures to make sure that the substances forbidden by RoHS are not present in the battery, with the exception of the electrochemical core.
- REACH - The Saft Group has adopted internal procedures to ensure conformity with the European REACH (Registration, Evaluation, Authorisation and Restriction of Chemical Substances) Regulation.

# Providing a wide scope of support and services

## Saft offers total end to end application support

Saft's stationary battery experts offer a comprehensive range of skills and expertise to help our global customers specify the ideal battery solution for their particular application.

This end to end support starts at the design stage, such as advice on battery sizing, and carries customers through installation and commissioning.

Saft's after-sales service covers support, maintenance and diagnostics as well as end of life recycling.

Saft organizes battery training seminars for consultants, engineering teams and maintenance departments.

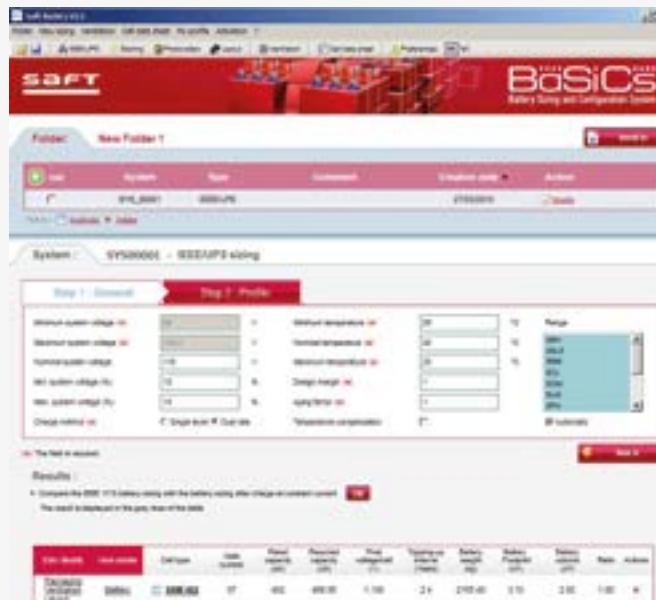
To ensure that customers receive the optimum service, wherever they are in the world, we are continuing to expand and enhance our network of approved service stations in the Middle East, Asia, Europe and North America.

## Perform your own sizing

Saft's Battery Sizing and Configuration System, known as BaSiCs, helps our customers to quickly and easily find the right battery for their back-up or starting applications. BaSiCs helps users create the layout for one or more stands as well as the battery layout itself.

**To download the BaSiCs application, search for "BaSiCs" on our web site:**

**[www.saftbatteries.com](http://www.saftbatteries.com)**



# Connecting your batteries for optimum efficiency

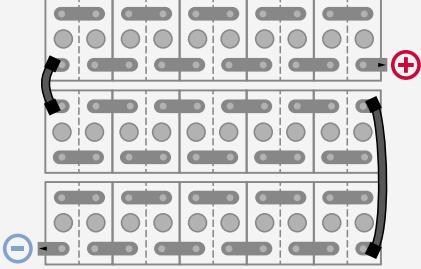
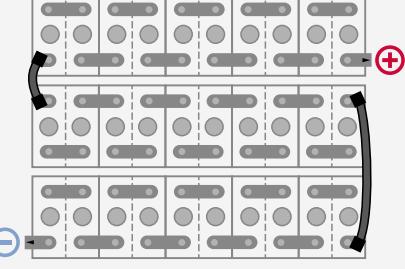
## Standard layouts

Saft has developed a series of standard layouts for ordering a

battery. Whether the battery is being installed on a rack, in a cabinet or is simply

freestanding, the same configuration principals can be applied.

## Two ways to configure the battery

	Normal connection	Crosswise connection
<b>SBLE</b>	<b>7.5 → 510</b>	<b>550 → 1690</b>
<b>SBM</b>	<b>11 → 392</b>	<b>415 → 1445</b>
<b>SBH</b>	<b>8.3 → 157</b>	<b>177 → 920</b>
	 Length-to-length connection	 Width-to-Width connection
		

## Dimensions

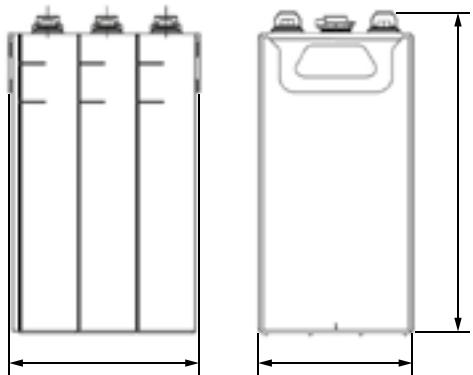
The dimensions of all available cell types are listed in the tables. The block length is determined by the cell length and the number of cells in the block.

### Notes:

- All the tabulated dimensions are maximum values.

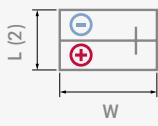
- All block types with a cell weight exceeding 8.4 kg (18.5 block length includes 6 mm for handles for these types.

- All the cell heights given in the tables include the height of the IP2X terminal cover.

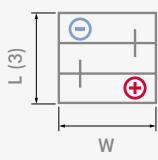
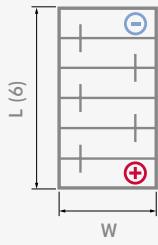
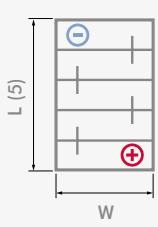
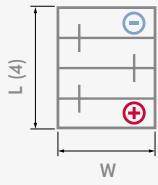


## Position of terminals

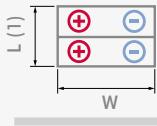
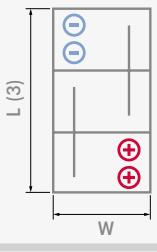
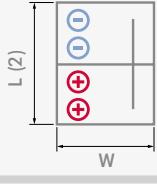
### Blocks of cells with single pole bolt



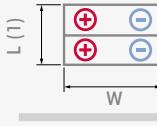
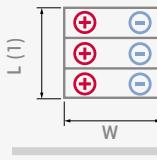
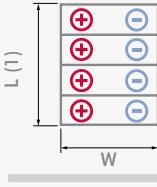
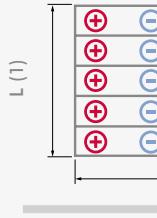
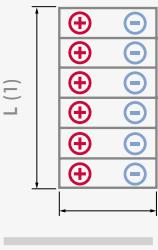
SBLE 7.5 → 62

SBLE 75 → 275  
SBM 11 → 241  
SBH 8.3 → 118

### Blocks of cells with 2 poles bolt per poles

SBLE 300 → 510  
SBM 250 → 392  
SBH 137 → 157

### Blocks of cells with 2 poles bolt per poles

SBLE 550  
SBM 415 → 482  
SBH 177 → 256  
SBH 270 → 281  
SBH 307SBLE 600 → 830  
SBM 505 → 723  
SBH 265 / 294  
SBH 323 → 383  
SBH 400 → 460SBLE 890 → 1100  
SBM 740 → 940  
SBH 393 / 471  
SBH 510 → 560  
SBH 600 → 615SBLE 1150 → 1400  
SBM 1009 → 1181  
SBH 471 / 590  
SBH 640 → 765  
SBH 600 → 615SBLE 1450 → 1690  
SBM 965  
SBM 1220 → 1445  
SBH 800 → 920

Cell Type	Capacity C, Ah	Height mm	Width mm	Length per block						Approx. Weight per cell kg	Approx. Electrolyte vol. between level marks cm <sup>3</sup>	Approx. electrolyte per cell L	Internal Resistance kg	Cell connection bolt per pole			
				1 cells		2 cells		3 cells		4 cells		5 cells		6 cells		lb	
		in	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mOhm	
<b>SBLE 7,5</b>	7,5	190	7,5	123	4,8			101	4,0	125	4,9	149	5,9	0,8	1,8	87	0,08 0,24 14,00 M6
<b>SBLE 15</b>	15	270	10,6	123	4,8			101	4,0	125	4,9	149	5,9	1,1	2,4	87	0,12 0,35 8,33 M6
<b>SBLE 22</b>	22	270	10,6	123	4,8			143	5,6	178	7,0	212	8,3	1,7	3,7	129	0,17 0,53 5,45 M6
<b>SBLE 30</b>	30	270	10,6	123	4,8			143	5,6	178	7,0	212	8,3	1,8	4,0	129	0,15 0,46 4,17 M6
<b>SBLE 34</b>	34	270	10,6	123	4,8			191	7,5	238	9,4	284	11,2	2,3	5,1	177	0,23 0,70 3,53 M6
<b>SBLE 40</b>	40	270	10,6	123	4,8			239	9,4	298	11,7	356	14,0	3,0	6,6	224	0,29 0,90 3,00 M6
<b>SBLE 47</b>	47	270	10,6	123	4,8			191	7,5	238	9,4	284	11,2	2,3	5,1	177	0,20 0,59 2,66 M6
<b>SBLE 62</b>	62	270	10,6	123	4,8			239	9,4	298	11,7	356	14,0	3,2	7,1	224	0,25 0,70 2,02 M6
<b>SBLE 70</b>	70	350	13,8	195	7,7	79	3,1	115	4,5					4,1	9,0	299	0,33 1,00 2,29 M8
<b>SBLE 75</b>	75	350	13,8	195	7,7	79	3,1	115	4,5					4,1	9,0	299	0,38 1,00 2,13 M8
<b>SBLE 85</b>	85	411	16,2	195	7,7	79	3,1	115	4,5					4,9	10,8	299	0,45 1,40 1,94 M8
<b>SBLE 95</b>	95	411	16,2	195	7,7	79	3,1	115	4,5					4,7	10,4	299	0,45 1,20 1,74 M8
<b>SBLE 100</b>	100	350	13,8	195	7,7	103	4,1	151	5,9					5,4	11,9	404	0,49 1,50 1,60 M10
<b>SBLE 110</b>	110	350	13,8	195	7,7	103	4,1	151	5,9					5,6	12,3	404	0,49 1,20 1,45 M10
<b>SBLE 125</b>	125	411	16,2	195	7,7	103	4,1	151	5,9					6,7	14,8	404	0,58 1,70 1,32 M10
<b>SBLE 140</b>	140	411	16,2	195	7,7	103	4,1	151	5,9					6,5	14,3	404	0,58 1,80 1,18 M10
<b>SBLE 149</b>	149	350	13,8	195	7,7	127	5,0	187	7,4					6,6	14,6	510	0,59 1,80 1,07 M10
<b>SBLE 165</b>	165	411	16,2	195	7,7	127	5,0	187	7,4					8,4	18,5	510	0,71 2,20 1,00 M10
<b>SBLE 176</b>	176	350	13,8	195	7,7	153	6,0	226	8,9					7,9	17,4	624	0,72 2,20 0,91 M10
<b>SBLE 185</b>	185	411	16,2	195	7,7	127	5,0	187	7,4					8,4	18,5	510	0,71 2,00 0,89 M10
<b>SBLE 200</b>	200	411	16,2	195	7,7	159	6,3	232	9,1					10,2	22,5	624	0,86 2,60 0,83 M10
<b>SBLE 215</b>	215	411	16,2	195	7,7	159	6,3	232	9,1					10,2	22,5	624	0,86 2,60 0,77 M10
<b>SBLE 220</b>	220	350	13,8	195	7,7	183	7,2	268	10,6					9,1	20,1	729	0,81 2,50 0,73 M10
<b>SBLE 230</b>	230	411	16,2	195	7,7	159	6,3	232	9,1					9,9	21,8	624	0,86 2,30 0,72 M10
<b>SBLE 255</b>	255	411	16,2	195	7,7	183	7,2	268	10,6					11,9	26,2	729	1,00 3,00 0,65 M10
<b>SBLE 275</b>	275	411	16,2	195	7,7	183	7,2	268	10,6					11,5	25,4	729	1,00 2,90 0,60 M10
<b>SBLE 285</b>	285	411	16,2	195	7,7	183	7,2	268	10,6					11,9	26,2	729	0,98 3,00 0,58 M10
<b>SBLE 300</b>	300	411	16,2	195	7,7	229	9,0	337	13,3					14,8	32,6	914	1,29 3,90 0,55 2xM10
<b>SBLE 325</b>	325	411	16,2	195	7,7	229	9,0	337	13,3					14,5	32,0	914	1,29 3,50 0,51 2xM10
<b>SBLE 334</b>	334	411	16,2	195	7,7	253	10,0	373	14,7					14,8	32,6	1019	1,27 3,90 0,49 2xM10
<b>SBLE 344</b>	344	411	16,2	195	7,7	253	10,0	373	14,7					16,5	36,4	1019	1,40 4,30 0,48 2xM10
<b>SBLE 355</b>	355	411	16,2	195	7,7	253	10,0	373	14,7					16,5	36,4	1019	1,42 4,30 0,46 2xM10
<b>SBLE 365</b>	365	411	16,2	195	7,7	253	10,0	373	14,7					16,5	36,4	1019	1,42 4,30 0,45 2xM10
<b>SBLE 375</b>	375	411	16,2	195	7,7	253	10,0	373	14,7					16,8	37,0	1019	1,42 4,00 0,44 2xM10
<b>SBLE 395</b>	395	411	16,2	195	7,7	146	5,7	279	11,0					18,0	39,7	1133	1,57 4,70 0,42 2xM10
<b>SBLE 415</b>	415	411	16,2	195	7,7	146	5,7	279	11,0					18,3	40,3	1133	1,57 4,30 0,40 2xM10
<b>SBLE 425</b>	425	411	16,2	195	7,7	146	5,7	279	11,0					18,3	40,3	1133	1,53 4,70 0,39 2xM10
<b>SBLE 435</b>	435	411	16,2	195	7,7	159	6,3	305	12,0					19,8	43,7	1247	1,73 5,20 0,38 2xM10
<b>SBLE 460</b>	460	411	16,2	195	7,7	159	6,3	305	12,0					19,8	43,7	1247	1,73 4,60 0,36 2xM10
<b>SBLE 470</b>	470	411	16,2	195	7,7	159	6,3	305	12,0					20,0	44,1	1247	1,69 5,20 0,35 2xM10

\* Height including the IP2X terminal cover

Cell Type	Capa- city C <sub>s</sub> Ah	Height		Width		Length per block		Approx. Weight per cell		Approx. Electrolyte vol. between level marks cm <sup>3</sup>	Approx. electrolyte per cell L kg	Internal Resistance mΩhm	Cell connection bolt per pole
		mm	in	mm	in	mm	in	kg	lb				
<b>SBLE 480</b>	480	411	16,2	195	7,7	171	6,7	329	13,0	21,8	48,1	1353	1,86 5,60 0,34 2xM10
<b>SBLE 500</b>	500	411	16,2	195	7,7	171	6,7	329	13,0	21,8	48,1	1353	1,86 5,60 0,33 2xM10
<b>SBLE 510</b>	510	411	16,2	195	7,7	171	6,7	329	13,0	21,4	47,2	1353	1,86 5,20 0,32 2xM10
<b>SBLE 550</b>	550	411	16,2	195	7,7	183	7,2			23,0	50,7	1458	1,99 5,80 0,30 2xM10
<b>SBLE 570</b>	570	411	16,2	195	7,7	183	7,2			23,5	51,8	1458	1,95 6,00 0,29 2xM10
<b>SBLE 600</b>	600	411	16,2	195	7,7	206	8,1			26,7	58,9	1643	2,28 6,30 0,28 3xM10
<b>SBLE 620</b>	620	411	16,2	195	7,7	206	8,1			26,1	57,5	1643	2,21 6,80 0,27 3xM10
<b>SBLE 650</b>	650	411	16,2	195	7,7	219	8,6			28,0	61,7	1757	2,44 6,60 0,25 3xM10
<b>SBLE 700</b>	700	411	16,2	195	7,7	232	9,1			30,0	66,1	1871	2,59 6,90 0,24 3xM10
<b>SBLE 750</b>	750	411	16,2	195	7,7	244	9,6			31,3	69,0	1977	2,72 7,50 0,22 3xM10
<b>SBLE 762</b>	762	411	16,2	195	7,7	244	9,6			31,4	69,2	1977	2,72 8,10 0,22 3xM10
<b>SBLE 790</b>	790	411	16,2	195	7,7	256	10,1			33,4	73,6	2082	2,85 8,50 0,21 3xM10
<b>SBLE 830</b>	830	411	16,2	195	7,7	268	10,6			34,5	76,1	2187	2,99 8,70 0,20 3xM10
<b>SBLE 855</b>	855	411	16,2	195	7,7	268	10,6			35,0	77,2	2187	2,89 8,90 0,19 3xM10
<b>SBLE 890</b>	890	411	16,2	195	7,7	292	11,5			37,2	82,0	2381	3,30 9,80 0,19 4xM10
<b>SBLE 905</b>	905	411	16,2	195	7,7	292	11,5			37,8	83,3	2381	3,18 9,80 0,18 4xM10
<b>SBLE 925</b>	925	411	16,2	195	7,7	305	12,0			39,6	87,3	2495	3,45 9,20 0,18 4xM10
<b>SBLE 980</b>	980	411	16,2	195	7,7	317	12,5			41,0	90,4	2600	3,58 10,70 0,17 4xM10
<b>SBLE 1000</b>	1000	411	16,2	195	7,7	329	13,0			43,0	94,8	2706	3,72 11,10 0,17 4xM10
<b>SBLE 1020</b>	1020	411	16,2	195	7,7	329	13,0			42,8	94,4	2706	3,72 10,40 0,16 4xM10
<b>SBLE 1070</b>	1070	411	16,2	195	7,7	341	13,4			45,0	99,2	2811	3,85 11,50 0,15 4xM10
<b>SBLE 1100</b>	1100	411	16,2	195	7,7	353	13,9			46,0	101,4	2917	3,98 11,60 0,15 4xM10
<b>SBLE 1125</b>	1125	411	16,2	195	7,7	353	13,9			46,6	102,7	2917	3,87 11,90 0,15 4xM10
<b>SBLE 1150</b>	1150	411	16,2	195	7,7	378	14,9			48,6	107,1	3119	4,31 12,90 0,14 5xM10
<b>SBLE 1200</b>	1200	411	16,2	195	7,7	390	15,4			51,1	112,7	3224	4,45 12,10 0,14 5xM10
<b>SBLE 1250</b>	1250	411	16,2	195	7,7	402	15,8			52,6	116,0	3330	4,58 13,60 0,13 5xM10
<b>SBLE 1300</b>	1300	411	16,2	195	7,7	413	16,3			54,3	119,7	3426	4,69 13,60 0,13 5xM10
<b>SBLE 1350</b>	1350	411	16,2	195	7,7	426	16,8			56,6	124,8	3540	4,84 14,40 0,12 5xM10
<b>SBLE 1400</b>	1400	411	16,2	195	7,7	438	17,2			57,5	126,8	3646	4,98 14,50 0,12 5xM10
<b>SBLE 1450</b>	1450	411	16,2	195	7,7	463	18,2			60,2	132,7	3848	5,31 15,80 0,11 6xM10
<b>SBLE 1500</b>	1500	411	16,2	195	7,7	487	19,2			64,2	141,5	4059	5,58 15,60 0,11 6xM10
<b>SBLE 1560</b>	1560	411	16,2	195	7,7	499	19,6			66,2	145,9	4164	5,71 17,00 0,11 6xM10
<b>SBLE 1600</b>	1600	411	16,2	195	7,7	511	20,1			67,4	148,6	4270	5,84 16,80 0,10 6xM10
<b>SBLE 1660</b>	1660	411	16,2	195	7,7	523	20,6			69,0	152,1	4375	5,97 17,40 0,10 6xM10
<b>SBLE 1690</b>	1690	411	16,2	195	7,7	523	20,6			69,8	153,9	4375	5,97 17,80 0,10 6xM10
<b>SBLE 1710</b>	1710	411	16,2	195	7,7	523	20,6			69,8	153,9	4375	5,78 17,80 0,10 6xM10

\* Height including the IP2X terminal cover

Cell Type	Capa- city	Height		Width		Length per block		Approx. Weight per cell		Approx. Electrolyte vol. between level marks	Approx. electrolyte per cell		Internal	Cell connection bolt per pole		
						2 cells		3 cells			kg	lb	cm³	L		
	C, Ah	mm	in	mm	in	mm	in	mm	in	kg	lb	cm³	L	kg	mΩhm	
SBM 11	11	190	7,5	123	4,8	64	2,5	94	3,7	0,9	2,0	109	0,09	0,30	5,00	M6
SBM 15	15	190	7,5	123	4,8	74	2,9	109	4,3	1,2	2,6	129	0,10	0,33	3,67	M6
SBM 22	22	270	10,6	123	4,8	64	2,5	94	3,7	1,5	3,3	109	0,13	0,46	2,82	M6
SBM 30	30	270	10,6	123	4,8	74	2,9	109	4,3	1,8	4,0	129	0,15	0,46	2,07	M6
SBM 39	39	270	10,6	123	4,8	98	3,9	145	5,7	2,4	5,3	177	0,28	0,70	1,59	M6
SBM 43	43	350	13,8	195	7,7	69	2,7	100	3,9	3,4	7,5	255	0,32	0,95	1,81	M6
SBM 46	46	270	10,6	123	4,8	122	4,8	181	7,1	2,8	6,2	224	0,29	0,90	1,35	M6
SBM 50	50	350	13,8	195	7,7	69	2,7	100	3,9	3,6	7,9	255	0,32	1,00	1,56	M6
SBM 55	55	270	10,6	123	4,8	122	4,8	181	7,1	3,4	7,5	224	0,36	1,10	1,13	M6
SBM 56	56	411	16,2	195	7,7	69	2,7	100	3,9	4,0	8,8	255	0,38	1,10	1,54	M6
SBM 65	65	350	13,8	195	7,7	79	3,1	115	4,5	4,1	9,0	299	0,37	1,00	1,20	M8
SBM 72	72	350	13,8	195	7,7	79	3,1	115	4,5	4,4	9,7	299	0,36	1,10	1,08	M8
SBM 77	77	270	10,6	123	4,8	191	7,5	284	11,2	4,8	10,6	353	0,46	1,40	0,81	2xM6
SBM 84	84	411	16,2	195	7,7	79	3,1	115	4,5	4,9	10,8	299	0,43	1,20	1,02	M8
SBM 86	86	350	13,8	195	7,7	94	3,7	138	5,4	5,2	11,5	365	0,44	1,30	0,91	M8
SBM 90	90	350	13,8	195	7,7	94	3,7	138	5,4	5,7	12,6	365	0,42	1,30	0,87	M8
SBM 93	93	411	16,2	195	7,7	79	3,1	115	4,5	5,1	11,2	299	0,43	1,30	0,92	M8
SBM 100	100	411	16,2	195	7,7	94	3,7	138	5,4	6,4	14,1	365	0,52	1,60	0,86	M8
SBM 107	107	350	13,8	195	7,7	127	5,0	187	7,4	7,0	15,4	510	0,62	1,90	0,73	M10
SBM 112	112	411	16,2	195	7,7	94	3,7	138	5,4	6,3	13,9	365	0,52	1,40	0,77	M8
SBM 118	118	411	16,2	195	7,7	94	3,7	138	5,4	6,3	13,9	365	0,52	1,60	0,73	M8
SBM 125	125	350	13,8	195	7,7	127	5,0	187	7,4	7,4	16,3	510	0,59	1,80	0,62	M10
SBM 130	130	350	13,8	195	7,7	127	5,0	187	7,4	7,5	16,5	510	0,61	1,80	0,60	M10
SBM 138	138	411	16,2	195	7,7	115	4,5	169	6,7	7,6	16,8	457	0,66	1,70	0,62	M10
SBM 150	150	350	13,8	195	7,7	159	6,3	232	9,1	8,9	19,6	624	0,77	2,30	0,52	M10
SBM 161	161	411	16,2	195	7,7	127	5,0	187	7,4	8,4	18,5	510	0,71	2,10	0,53	M10
SBM 168	168	350	13,8	195	7,7	183	7,2	268	10,6	10,1	22,3	729	0,92	2,70	0,46	M10
SBM 169	169	411	16,2	195	7,7	127	5,0	187	7,4	8,9	19,6	510	0,68	2,10	0,51	M10
SBM 184	184	411	16,2	195	7,7	159	6,3	232	9,1	9,9	21,8	624	0,91	2,40	0,47	M10
SBM 192	192	411	16,2	195	7,7	159	6,3	232	9,1	10,5	23,1	624	0,91	2,70	0,45	M10
SBM 200	200	411	16,2	195	7,7	183	7,2	268	10,6	12,0	26,5	729	1,08	3,20	0,43	M10
SBM 208	208	411	16,2	195	7,7	183	7,2	268	10,6	11,5	25,4	729	1,08	2,90	0,41	M10
SBM 216	216	411	16,2	195	7,7	183	7,2	268	10,6	12,0	26,5	729	1,08	3,20	0,40	M10
SBM 225	225	411	16,2	195	7,7	187	7,4	274	10,8	12,8	28,2	729	1,04	3,20	0,38	2xM8
SBM 231	231	411	16,2	195	7,7	183	7,2	268	10,6	12,0	26,5	729	1,01	2,90	0,37	M10
SBM 241	241	411	16,2	195	7,7	183	7,2	268	10,6	12,5	27,6	729	1,01	3,00	0,36	M10
SBM 250	250	411	16,2	195	7,7	229	9,0	337	13,3	15,5	34,2	914	1,32	3,90	0,34	2xM10
SBM 260	260	411	16,2	195	7,7	229	9,0	337	13,3	15,5	34,2	914	1,32	3,90	0,33	2xM10
SBM 270	270	350	13,8	195	7,7	279	11,0	412	16,2	16,5	36,4	1133	1,33	4,10	0,29	2xM10
SBM 277	277	411	16,2	195	7,7	229	9,0	337	13,3	14,5	32,0	914	1,32	3,50	0,31	2xM10

\* Height including the IP2X terminal cover

Cell Type	Capa- city  C, Ah	Height		Width		Length per block			Approx. Weight per cell  kg	Approx. Electrolyte vol. between level marks  cm³	Approx. electrolyte per cell  L kg	Internal mΩhm	Cell connection bolt per pole					
						1 cells		2 cells										
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in					
SBM 286	286	411	16,2	195	7,7			229	9,0	337	13,3	15,6	34,4	914	1,27	3,90	0,30	2xM10
SBM 287	287	350	13,8	195	7,7			305	12,0	451	17,8	16,0	35,3	1247	1,54	4,20	0,27	2xM10
SBM 300	300	411	16,2	195	7,7			241	9,5	355	14,0	15,5	34,2	966	1,37	3,70	0,29	2xM10
SBM 323	323	411	16,2	195	7,7			253	10,0	373	14,7	17,3	38,1	1019	1,43	3,90	0,27	2xM10
SBM 335	335	411	16,2	195	7,7			253	10,0	373	14,7	17,6	38,8	1019	1,36	4,20	0,26	2xM10
SBM 346	346	411	16,2	195	7,7	146	5,7	279	11,0			19,5	43,0	1133	1,62	4,80	0,25	2xM10
SBM 359	359	350	13,8	195	7,7	183	7,2	353	13,9			20,0	44,1	1458	1,73	5,00	0,22	2xM10
SBM 369	369	411	16,2	195	7,7	159	6,3	305	12,0			20,5	45,2	1247	1,81	4,80	0,23	2xM10
SBM 382	382	411	16,2	195	7,7	159	6,3	305	12,0			20,5	45,2	1247	1,72	5,30	0,23	2xM10
SBM 392	392	411	16,2	195	7,7	171	6,7	329	13,0			22,1	48,7	1353	1,99	5,30	0,22	2xM10
SBM 404	404	411	16,2	195	7,7	171	6,7	329	13,0			22,3	49,2	1353	1,92	5,90	0,21	2xM10
SBM 415	415	411	16,2	195	7,7	183	7,2					23,7	52,2	1458	2,16	5,80	0,21	2xM10
SBM 431	431	350	13,8	195	7,7	232	9,1					25,5	56,2	1871	2,31	6,40	0,18	3xM10
SBM 438	438	411	16,2	195	7,7	183	7,2					23,5	51,8	1458	2,09	5,80	0,20	2xM10
SBM 450	450	411	16,2	195	7,7	183	7,2					24,3	53,6	1458	1,98	6,10	0,19	2xM10
SBM 461	461	411	16,2	195	7,7	183	7,2					24,0	52,9	1458	2,03	5,70	0,19	2xM10
SBM 482	482	411	16,2	195	7,7	183	7,2					24,7	54,5	1458	2,03	5,90	0,18	2xM10
SBM 505	505	411	16,2	195	7,7	213	8,4					27,5	60,6	1704	2,47	6,50	0,17	3xM10
SBM 526	526	411	16,2	195	7,7	213	8,4					27,6	60,8	1704	2,47	7,30	0,16	3xM10
SBM 540	540	350	13,8	195	7,7	268	10,6					31,5	69,4	2187	2,59	7,50	0,14	3xM10
SBM 555	555	411	16,2	195	7,7	232	9,1					30,0	66,1	1871	2,72	7,20	0,15	3xM10
SBM 575	575	411	16,2	195	7,7	305	12,0					34,0	75,0	2495	2,72	8,60	0,14	4xM10
SBM 576	576	411	16,2	195	7,7	232	9,1					30,3	66,8	1871	2,72	8,00	0,15	3xM10
SBM 600	600	411	16,2	195	7,7	244	9,6					32,1	70,8	1977	2,89	8,50	0,14	3xM10
SBM 625	625	411	16,2	195	7,7	268	10,6					35,5	78,3	2187	3,24	8,70	0,14	3xM10
SBM 649	649	411	16,2	195	7,7	268	10,6					35,4	78,0	2187	3,24	9,50	0,13	3xM10
SBM 674	674	411	16,2	195	7,7	268	10,6					35,9	79,1	2187	3,18	9,30	0,13	3xM10
SBM 690	690	411	16,2	195	7,7	268	10,6					37,0	81,6	2187	3,04	8,60	0,12	3xM10
SBM 703	703	411	16,2	195	7,7	268	10,6					36,5	80,5	2187	2,96	9,10	0,12	3xM10
SBM 720	720	411	16,2	195	7,7	353	13,9					40,5	89,3	2917	3,04	10,00	0,11	4xM10
SBM 723	723	411	16,2	195	7,7	268	10,6					37,0	81,6	2187	3,04	8,90	0,12	3xM10
SBM 740	740	411	16,2	195	7,7	305	12,0					40,0	88,2	2495	3,63	9,60	0,12	4xM10
SBM 768	768	411	16,2	195	7,7	305	12,0					40,2	88,6	2495	3,63	10,60	0,11	4xM10
SBM 792	792	411	16,2	195	7,7	317	12,5					42,0	92,6	2600	3,80	11,20	0,11	4xM10
SBM 808	808	411	16,2	195	7,7	329	13,0					44,5	98,1	2706	3,80	11,70	0,11	4xM10
SBM 830	830	411	16,2	195	7,7	353	13,9					47,0	103,6	2917	4,32	11,70	0,10	4xM10
SBM 849	849	411	16,2	195	7,7	341	13,4					46,0	101,4	2811	4,03	12,40	0,10	4xM10
SBM 866	866	411	16,2	195	7,7	353	13,9					47,6	104,9	2917	4,32	12,70	0,10	4xM10
SBM 890	890	411	16,2	195	7,7	353	13,9					47,6	104,9	2917	4,26	12,50	0,10	4xM10
SBM 900	900	411	16,2	195	7,7	438	17,2					50,5	111,3	3646	4,06	12,50	0,09	5xM10

\* Height including the IP2X terminal cover

Cell Type	Capa- city	Height		Width		Length per block		Approx. Weight per cell		Approx. Electrolyte vol. between level marks	Approx. electrolyte per cell		Internal	Cell connection bolt per pole
		1 cells												
	C, Ah	mm	in	mm	in	mm	in	kg	lb	cm³	L	kg	mOhm	
<b>SBM 920</b>	920	411	16,2	195	7,7	353	13,9	49,5	109,1	2917	4,06	11,80	0,09	4xM10
<b>SBM 940</b>	940	411	16,2	195	7,7	353	13,9	48,7	107,4	2917	4,12	12,00	0,09	4xM10
<b>SBM 965</b>	965	411	16,2	195	7,7	373	14,7	50,5	111,3	3057	4,28	11,40	0,09	6xM10
<b>SBM 1009</b>	1009	411	16,2	195	7,7	402	15,8	53,7	118,4	3330	4,88	14,30	0,09	5xM10
<b>SBM 1040</b>	1040	411	16,2	195	7,7	438	17,2	57,5	126,8	3646	5,40	14,60	0,08	5xM10
<b>SBM 1082</b>	1082	411	16,2	195	7,7	438	17,2	58,8	129,6	3646	5,40	16,70	0,08	5xM10
<b>SBM 1107</b>	1107	411	16,2	195	7,7	438	17,2	59,3	130,7	3646	5,34	15,60	0,08	5xM10
<b>SBM 1150</b>	1150	411	16,2	195	7,7	438	17,2	60,0	132,3	3646	5,07	15,70	0,07	5xM10
<b>SBM 1181</b>	1181	411	16,2	195	7,7	438	17,2	60,9	134,3	3646	5,14	15,00	0,07	5xM10
<b>SBM 1220</b>	1220	411	16,2	195	7,7	511	20,1	67,5	148,8	4270	6,31	16,90	0,07	6xM10
<b>SBM 1250</b>	1250	411	16,2	195	7,7	499	19,6	68,5	151,0	4164	5,85	18,00	0,07	6xM10
<b>SBM 1274</b>	1274	411	16,2	195	7,7	511	20,1	69,0	152,1	4270	6,31	18,50	0,07	6xM10
<b>SBM 1324</b>	1324	411	16,2	195	7,7	523	20,6	71,0	156,5	4375	6,42	18,80	0,06	6xM10
<b>SBM 1390</b>	1390	411	16,2	195	7,7	523	20,6	72,0	158,7	4375	6,09	17,40	0,06	6xM10
<b>SBM 1445</b>	1445	411	16,2	195	7,7	523	20,6	73,7	162,5	4375	6,09	17,70	0,06	6xM10
<b>SBM 1465</b>	1465	411	16,2	195	7,7	523	20,6	73,7	162,5	4375	6,09	17,70	0,06	6xM10

\* Height including the IP2X terminal cover

Cell Type	Capa- city	Height		Width		Length per block				Approx. Weight per cell	Approx. Electrolyte vol. between level marks	Approx. electrolyte per cell	Internal	Cell connection bolt per pole				
						1 cells		2 cells										
	C, Ah	mm	in	mm	in	mm	in	mm	in	kg	lb	cm³	L	kg	mOhm			
SBH 8.3	8.3	270	10,6	123	4,8			53	2,1	77	3,0	1,1	2,4	87	0,11	0,36	3,61	M6
SBH 12	12	270	10,6	123	4,8			64	2,5	94	3,7	1,5	3,3	109	0,13	0,44	2,50	M6
SBH 16	16	270	10,6	123	4,8			74	2,9	109	4,3	1,8	4,0	129	0,15	0,48	1,88	M6
SBH 19	19	350	13,8	195	7,7			57	2,2	82	3,2	2,8	6,2	202	0,28	0,77	2,05	M6
SBH 25	25	411	16,2	195	7,7			57	2,2	82	3,2	3,2	7,1	202	0,36	0,92	1,68	M6
SBH 29	29	350	13,8	195	7,7			69	2,7	100	3,9	3,7	8,2	255	0,34	0,95	1,34	M6
SBH 34	34	270	10,6	123	4,8			122	4,8	181	7,1	3,6	7,9	224	0,36	1,10	0,88	M6
SBH 38	38	411	16,2	195	7,7			69	2,7	100	3,9	4,0	8,8	255	0,40	1,20	1,11	M6
SBH 39	39	350	13,8	195	7,7			79	3,1	115	4,5	4,5	9,9	299	0,38	1,10	1,00	M8
SBH 49	49	350	13,8	195	7,7			94	3,7	138	5,4	5,4	11,9	365	0,47	1,30	0,80	M8
SBH 51	51	411	16,2	195	7,7			79	3,1	115	4,5	4,9	10,8	299	0,45	1,30	0,82	M8
SBH 59	59	350	13,8	195	7,7			103	4,1	151	5,9	6,2	13,7	404	0,55	1,50	0,66	M10
SBH 64	64	411	16,2	195	7,7			94	3,7	138	5,4	6,3	13,9	365	0,55	1,60	0,66	M8
SBH 69	69	350	13,8	195	7,7			127	5,0	187	7,4	7,3	16,1	510	0,66	1,80	0,57	M10
SBH 77	77	411	16,2	195	7,7			103	4,1	151	5,9	6,7	14,8	404	0,55	1,60	0,55	M10
SBH 79	79	350	13,8	195	7,7			127	5,0	187	7,4	7,7	17,0	510	0,62	1,80	0,49	M10
SBH 88	88	350	13,8	195	7,7			159	6,3	232	9,1	9,1	20,1	624	0,80	2,20	0,44	M10
SBH 89	89	411	16,2	195	7,7			115	4,5	169	6,7	7,6	16,8	457	0,67	1,90	0,47	M10
SBH 98	98	350	13,8	195	7,7			159	6,3	232	9,1	9,4	20,7	624	0,76	2,20	0,40	M10
SBH 102	102	411	16,2	195	7,7			127	5,0	187	7,4	8,4	18,5	510	0,74	2,10	0,41	M10
SBH 110	110	350	13,8	195	7,7			183	7,2	268	10,6	10,6	23,4	729	0,92	2,90	0,35	M10
SBH 115	115	411	16,2	195	7,7			159	6,3	232	9,1	9,9	21,8	624	0,95	2,80	0,37	M10
SBH 118	118	350	13,8	195	7,7			183	7,2	268	10,6	11,0	24,3	729	0,88	2,70	0,33	M10
SBH 128	128	411	16,2	195	7,7			159	6,3	232	9,1	10,5	23,1	624	0,90	2,60	0,33	M10
SBH 137	137	350	13,8	195	7,7			253	10,0	373	14,7	14,5	32,0	1019	1,32	3,70	0,28	2xM10
SBH 141	141	411	16,2	195	7,7			183	7,2	268	10,6	11,5	25,4	729	1,09	3,30	0,30	M10
SBH 149	149	350	13,8	195	7,7			253	10,0	373	14,7	14,9	32,8	1019	1,33	4,10	0,26	2xM10
SBH 153	153	411	16,2	195	7,7			183	7,2	268	10,6	12,0	26,5	729	1,04	3,20	0,27	M10
SBH 157	157	350	13,8	195	7,7			253	10,0	373	14,7	15,3	33,7	1019	1,24	3,70	0,25	2xM10
SBH 170	170	350	13,8	195	7,7			279	11,0	412	16,2	16,8	37,0	1133	1,49	4,60	0,23	2xM10
SBH 177	177	350	13,8	195	7,7			305	12,0	451	17,8	17,6	38,8	1247	1,60	4,50	0,22	2xM10
SBH 179	179	411	16,2	195	7,7			229	9,0	337	13,3	14,5	32,0	914	1,33	3,80	0,23	2xM10
SBH 190	190	411	16,2	195	7,7	127	5,0					16,5	36,4	966	1,53	4,70	0,22	2xM10
SBH 196	196	350	13,8	195	7,7	159	6,3					18,3	40,3	1247	1,52	4,40	0,20	2xM10
SBH 204	204	411	16,2	195	7,7	133	5,2					18,0	39,7	1019	1,47	4,60	0,21	2xM10
SBH 218	218	411	16,2	195	7,7	146	5,7					19,2	42,3	1133	1,75	5,40	0,19	2xM10
SBH 230	230	411	16,2	195	7,7	159	6,3					20,0	44,1	1247	1,89	5,60	0,18	2xM10
SBH 236	236	350	13,8	195	7,7	183	7,2					21,4	47,2	1458	1,76	5,70	0,17	2xM10
SBH 244	244	411	16,2	195	7,7	159	6,3					20,5	45,2	1247	1,88	5,80	0,17	2xM10
SBH 256	256	411	16,2	195	7,7	159	6,3					21,7	47,8	1247	1,79	5,20	0,16	2xM10

\* Height including the IP2X terminal cover

Cell Type	Capa- city C, Ah	Height mm in		Width mm in		Lenght per block 1 cells		Approx. Weight per cell kg lb	Approx. Electrolyte vol. between level marks cm³	Approx. electrolyte Internal per cell L kg mΩhm			Cell connection bolt per pole	
		mm	in	mm	in	mm	in			L	kg	mΩhm		
SBH 265	265	350	13,8	195	7,7	232	9,1	26,1	57,5	1871	2,40	6,8	0,15	3xM10
SBH 270	270	411	16,2	195	7,7	171	6,7	23,4	51,6	1353	1,98	6,10	0,16	2xM10
SBH 281	281	411	16,2	195	7,7	183	7,2	24,8	54,7	1458	2,17	6,60	0,15	2xM10
SBH 293	293	411	16,2	195	7,7	183	7,2	25,2	55,6	1458	2,14	6,60	0,14	2xM10
SBH 294	294	350	13,8	195	7,7	232	9,1	27,2	60,0	1871	2,28	6,50	0,13	3xM10
SBH 307	307	411	16,2	195	7,7	183	7,2	25,6	56,4	1458	2,07	6,50	0,14	2xM10
SBH 323	323	411	16,2	195	7,7	206	8,1	28,1	61,9	1643	2,42	7,50	0,13	3xM10
SBH 334	334	411	16,2	195	7,7	219	8,6	29,4	64,8	1757	2,66	8,20	0,13	3xM10
SBH 345	345	411	16,2	195	7,7	232	9,1	31,3	69,0	1871	2,84	8,40	0,12	3xM10
SBH 353	353	350	13,8	195	7,7	268	10,6	31,8	70,1	2187	2,63	8,60	0,11	3xM10
SBH 363	363	411	16,2	195	7,7	232	9,1	31,5	69,4	1871	2,79	8,60	0,12	3xM10
SBH 375	375	411	16,2	195	7,7	232	9,1	31,9	70,3	1871	2,76	8,50	0,11	3xM10
SBH 383	383	411	16,2	195	7,7	232	9,1	32,2	71,0	1871	2,69	7,80	0,11	3xM10
SBH 393	393	350	13,8	195	7,7	305	12,0	36,1	79,6	2495	3,03	8,70	0,10	4xM10
SBH 400	400	411	16,2	195	7,7	244	9,6	33,9	74,7	1977	2,88	8,90	0,11	3xM10
SBH 410	410	411	16,2	195	7,7	256	10,1	35,1	77,4	2082	3,09	9,50	0,10	3xM10
SBH 422	422	411	16,2	195	7,7	268	10,6	37,0	81,6	2187	3,26	9,80	0,10	3xM10
SBH 440	440	411	16,2	195	7,7	268	10,6	37,4	82,5	2187	3,21	9,90	0,10	3xM10
SBH 450	450	411	16,2	195	7,7	268	10,6	37,9	83,6	2187	3,18	9,80	0,09	3xM10
SBH 460	460	411	16,2	195	7,7	268	10,6	38,3	84,4	2187	3,11	9,70	0,09	3xM10
SBH 471	471	350	13,8	195	7,7	353	13,9	42,2	93,0	2917	3,51	11,40	0,08	4xM10
SBH 473	473	411	16,2	195	7,7	305	12,0	40,6	89,5	2495	3,83	11,80	0,09	4xM10
SBH 484	484	411	16,2	195	7,7	305	12,0	41,4	91,3	2495	3,77	11,60	0,09	4xM10
SBH 491	491	350	13,8	195	7,7	378	14,9	45,1	99,4	3119	3,79	10,90	0,08	5xM10
SBH 510	510	411	16,2	195	7,7	305	12,0	42,7	94,1	2495	3,58	10,40	0,08	4xM10
SBH 523	523	411	16,2	195	7,7	305	12,0	42,7	94,1	2495	3,58	10,40	0,08	4xM10
SBH 537	537	411	16,2	195	7,7	329	13,0	44,4	97,9	2706	4,00	12,30	0,08	4xM10
SBH 560	560	411	16,2	195	7,7	353	13,9	49,2	108,5	2917	4,34	13,10	0,08	4xM10
SBH 575	575	411	16,2	195	7,7	353	13,9	49,7	109,6	2917	4,32	13,30	0,07	4xM10
SBH 589	589	411	16,2	195	7,7	353	13,9	50,2	110,7	2917	4,29	13,20	0,07	4xM10
SBH 590	590	350	13,8	195	7,7	438	17,2	52,6	116,0	3646	4,39	14,30	0,07	5xM10
SBH 600	600	411	16,2	195	7,7	353	13,9	50,6	111,6	2917	4,19	12,90	0,07	4xM10
SBH 615	615	411	16,2	195	7,7	353	13,9	51,0	112,4	2917	4,15	13,00	0,07	4xM10
SBH 630	630	411	16,2	195	7,7	378	14,9	52,5	115,7	3119	4,55	14,00	0,07	5xM10
SBH 640	640	411	16,2	195	7,7	378	14,9	52,5	115,7	3119	4,48	13,00	0,07	5xM10
SBH 655	655	411	16,2	195	7,7	390	15,4	55,0	121,3	3224	4,67	14,40	0,06	5xM10
SBH 670	670	411	16,2	195	7,7	402	15,8	56,7	125,0	3330	4,86	15,00	0,06	5xM10
SBH 680	680	411	16,2	195	7,7	414	16,3	56,7	125,0	3435	5,07	15,60	0,06	5xM10
SBH 690	690	411	16,2	195	7,7	426	16,8	57,6	127,0	3540	5,30	16,30	0,06	5xM10
SBH 705	705	411	16,2	195	7,7	438	17,2	60,5	133,4	3646	5,43	16,40	0,06	5xM10

\* Height including the IP2X terminal cover

Cell Type	Capa-city C <sub>s</sub> Ah	Height		Width		Length per block 1 cells		Approx. Weight per cell		Approx. Electrolyte vol. between level marks cm <sup>3</sup>	Approx. electrolyte per cell		Internal mΩhm	Cell connection bolt per pole
		mm	in	mm	in	mm	in	kg	lb		L	kg		
SBH 725	725	411	16,2	195	7,7	438	17,2	62,5	137,8	3646	5,36	16,5	0,06	5xM10
SBH 753	753	411	16,2	195	7,7	438	17,2	63,5	140,0	3646	5,33	16,40	0,06	5xM10
SBH 765	765	411	16,2	195	7,7	438	17,2	60,0	132,3	3646	5,18	16,20	0,05	5xM10
SBH 785	785	411	16,2	195	7,7	463	18,2	64,9	143,1	3848	5,59	17,20	0,05	6xM10
SBH 800	800	411	16,2	195	7,7	463	18,2	65,9	145,3	3848	5,52	17,00	0,05	6xM10
SBH 825	825	411	16,2	195	7,7	499	19,6	68,5	151,0	4164	6,08	18,70	0,05	6xM10
SBH 840	840	411	16,2	195	7,7	511	20,1	69,5	153,2	4270	6,27	19,30	0,05	6xM10
SBH 865	865	411	16,2	195	7,7	498	19,6	72,6	160,1	4155	5,92	18,10	0,05	6xM10
SBH 890	890	411	16,2	195	7,7	523	20,6	74,7	164,7	4375	6,34	19,50	0,05	6xM10
SBH 910	910	411	16,2	195	7,7	523	20,6	75,8	167,1	4375	6,27	19,30	0,05	6xM10
SBH 920	920	411	16,2	195	7,7	523	20,6	76,5	168,7	4375	6,22	19,20	0,05	6xM10

\* Height including the IP2X terminal cover



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Saft is committed to protecting and preserving the environment. We are engaged in a sustained effort to use resources responsibly and to act in a way that clearly demonstrates our great respect for the planet.

As part of its environmental commitment, Saft gives priority to recycled raw materials over virgin raw materials, reduces its plants' air and water releases year after year, minimizes water usage, reduces fossil energy consumption and associated CO<sub>2</sub> emissions, and ensures that its customers have recycling solutions for their spent batteries.

Regarding industrial batteries, Saft has set up a network of Bring Back Points (BBPs) which receive end-of-life nickel-based batteries from end users free of charge. These batteries are then shipped by these BBPs to our recycling facility in Sweden or to fully permitted recycling companies, in compliance with the laws governing trans-boundary waste shipments.

The recycling efficiency of these recyclers exceeds 75% of the nickel-based battery weight (a level which exceeds the mandated recycling efficiency of 65% applicable to lead-acid batteries), and recycled materials are reused as secondary raw material for industry.

This network of Bring Back Points comprises over 30 entities and provides services in all of our major markets in Europe, North America, Asia and Africa. The list of BBPs and their contact details are available on the Saft website.

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