RMS BATTERIES

MOTIVE POWER (TRACTION) BATTERIES & CELLS

PzS/PzB



Motive Power Batteries

RMS motive power (traction) batteries provide a high level of power and reliability for all industrial truck applications. The extended range of both DIN and BS cells covers all types of applications, from low capacity up to heavy duty multi shift operations.



Benefits

- Available in both DIN and BS ranges
- Optimized design to achieve high capacities
- Long life service
- Readily available
- Low maintenance requirements

Technical Features

- Optimized plate design delivers capacities exceeding nominal values of international standards
- 100% initial capacity from the first cycle
- Fully insulated terminals and connectors
- Long cycle life
- High energy density
- Robust, durable cell construction
- Improved voltage stability and discharge performance

Applications

Light-duty applications
Single shift operation with light usage of the battery and discharge lower than 60% of C_5. Electrolyte at about 30°C.

Normal-duty applications
Single shift operation with discharge up to 80% of C_5. Electrolyte at 30°C.

Heavy-duty applications
Single shift operation with discharges of 80% of C_5 and high discharge currents. Boost charging to increase the availability of the battery. Multi shift operation with or without battery charges in intervals, in between operation. High ambient temperature.


Forklifts


Floor cleaning equipment


Electric pallet jacks

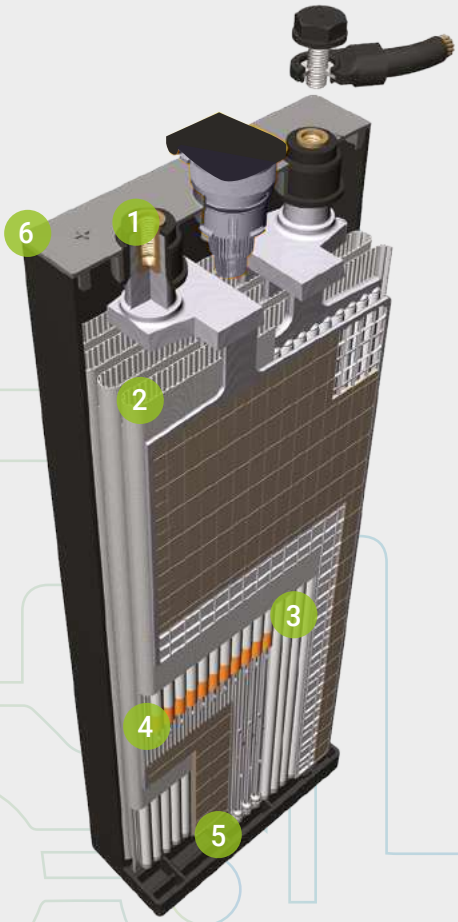

Lifting platforms


Automated guided vehicles (AGVs)

RMS PzS/PzB Cell







1. **Terminal**
   Innovative conical design for perfect sealing
2. **Separator**
   Enveloped separator, preventing short-circuits
3. **Tubular Plate**
   for long cycle life, endurance, and high power density
4. **Red Lead**
   produced with 99.99% pure lead for optimal performance
5. **Bottom Bar**
   Ultrasonic welding with adequate space to absorb growth of spine
6. **Full Capacity**
   within the first 3-5 cycles

DIN Product Range

Plate Type: 60 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 198	h1: 343 h2: 370	
		l		
2 PzS 120	120	47		8.5
3 PzS 180	180	65		12.0
4 PzS 240	240	83		15.4
5 PzS 300	300	101		19
6 PzS 360	360	119		22.5
7 PzS 420	420	137		26.0
8 PzS 480	480	155		29.5
9 PzS 540	540	174		33.0
10 PzS 600	600	192		36.5

Plate Type: 80 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 198	h1: 408 h2: 435	
		l		
2 PzS 160	120	47		10.0
3 PzS 240	180	65		14.2
4 PzS 320	240	83		18.4
5 PzS 400	300	101		22.6
6 PzS 360	480	119		22.7
7 PzS 420	560	137		31.3
8 PzS 480	640	155		35.1
9 PzS 540	720	174		39.3
10 PzS 600	800	192		43.4

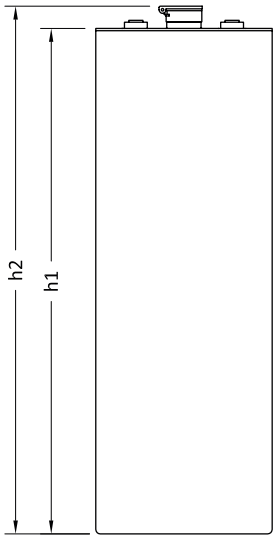


Plate Type: 90 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 198	h1: 478 h2: 505	
		l		
2 PzS 180	180	47		11.9
3 PzS 270	270	65		17.0
4 PzS 360	360	83		22.1
5 PzS 450	450	101		27.1
6 PzS 540	540	119		32.2
7 PzS 630	630	137		37.2
8 PzS 720	720	155		42.3
9 PzS 810	810	174		47.4
10 PzS 900	900	192		52.4

Plate Type: 115 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 198	h1: 548 h2: 575	
		l		
2 PzS 230	230	47		14.2
3 PzS 345	345	65		20.3
4 PzS 460	460	83		26.4
5 PzS 575	575	101		32.4
6 PzS 690	690	119		39.0
7 PzS 805	805	137		44.7
8 PzS 920	920	155		50.6
9 PzS 1035	1035	174		56.6
10 PzS 1150	1150	192		62.7

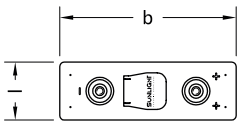


Plate Type: 125 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 198	h1: 568 h2: 595	
		l		
2 PzS 250	250	47		15.0
3 PzS 375	375	65		21.2
4 PzS 500	500	83		27.4
5 PzS 625	625	101		33.9
6 PzS 750	750	119		40.3
7 PzS 875	875	137		46.5
8 PzS 1000	1000	155		53.1
9 PzS 1125	1125	174		59.4
10 PzS 1250	1250	192		66.0

Plate Type: 155 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 198	h1: 713 h2: 740	
		l		
2 PzS 310	310	47		18.9
3 PzS 465	465	65		26.7
4 PzS 620	620	83		34.6
5 PzS 775	775	101		42.6
6 PzS 930	930	119		50.5
7 PzS 1085	1085	137		58.5
8 PzS 1240	1240	155		66.4
9 PzS 1395	1395	174		74.4
10 PzS 1550	1550	192		82.4

* According to IEC 60254- Part 1 ** Cells' dimensions according to IEC 60254-Part 2 *** Filled and charged cell weights ± 5%

BS Product Range

Plate Type: 55 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 158	h1: 343 h2: 370	
		l		
2 PzB 110	110	45		7.9
3 PzB 165	165	61		11.0
4 PzB 220	220	77		14.0
5 PzB 275	275	93		17.1
6 PzB 330	330	109		20.1
7 PzB 385	385	125		23.2
8 PzB 440	440	141		26.2
9 PzB 495	495	157		29.2
10 PzB 550	550	173		32.3

Plate Type: 65 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 158	h1: 457 h2: 484	
		l		
2 PzB 130	130	45		9.1
3 PzB 195	195	61		12.5
4 PzB 260	260	77		16.1
5 PzB 325	325	93		19.5
6 PzB 390	390	109		23.0
7 PzB 455	455	125		26.5
8 PzB 520	520	141		30.1
9 PzB 585	585	157		33.5
10 PzB 650	650	173		37.0

Plate Type: 75 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 158	h1: 514 h2: 541	
		l		
2 PzB 150	150	45		10.3
3 PzB 225	225	61		14.2
4 PzB 300	300	77		18.2
5 PzB 375	375	93		22.2
6 PzB 450	450	109		26.2
7 PzB 525	525	125		30.2
8 PzB 600	600	141		34.2
9 PzB 675	675	157		38.2
10 PzB 750	750	173		42.2

Plate Type: 85 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 158	h1: 570 h2: 597	
		l		
2 PzB 170	170	45		11.5
3 PzB 255	255	61		16.2
4 PzB 340	340	77		20.5
5 PzB 425	425	93		25.0
6 PzB 510	510	109		29.4
7 PzB 595	595	125		33.8
8 PzB 680	680	141		38.4
9 PzB 765	765	157		42.6
10 PzB 850	850	173		47.2

Plate Type: 100 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 158	h1: 606 h2: 633	
		l		
2 PzB 200	200	45		12.3
3 PzB 300	300	61		16.8
4 PzB 400	400	77		21.5
5 PzB 500	500	93		26.1
6 PzB 600	600	109		30.8
7 PzB 700	700	125		35.4
8 PzB 800	800	141		40.1
9 PzB 900	900	157		44.5
10 PzB 1000	1000	173		48.9

Plate Type: 105 Ah				
Type Designation	Nominal Capacity Ah (C_5)*	max cell dimensions mm**		Weight in kg***
		b: 158	h1: 686 h2: 713	
		l		
2 PzB 210	210	45		14.1
3 PzB 315	315	61		19.4
4 PzB 420	420	77		24.8
5 PzB 525	525	93		30.1
6 PzB 630	630	109		35.4
7 PzB 735	735	125		40.9
8 PzB 840	840	141		46.3
9 PzB 945	945	157		52.5
10 PzB 1050	1050	173		58.4

*According to IEC 60254- Part 1 ** Cells' dimensions ± 2 mm, according to IEC 60254-Part 2 *** Filled and charged cell weights ± 5%

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