



**STANDARD
BATTERY
SOLUTIONS**

**THE ECONOMICAL
BATTERY SOLUTION**



**INDUSTRIAL BATTERIES
MOTIVE POWER**

TECHNICAL DATA SHEET



PzS-cells DELTA BATTERY®

with bolt-on connectors, dimensions according to DIN/EN 60254-2 and IEC 254-2 Serie L standards

Cell designation	Nominal capacity	Length	Width	Overall height	Weight +/-5% with electrolyte
	5-hour Ah	mm	mm	mm	Kg
2 PzS 120	120	47	198	367	8,3
3 PzS 180	180	65	198	367	11,5
4 PzS 240	240	83	198	367	15
5 PzS 300	300	101	198	367	18,5
6 PzS 360	360	119	198	367	22,3
7 PzS 420	420	137	198	367	24,8
8 PzS 480	480	155	198	367	28,7
9 PzS 540	540	173	198	367	31,9
10 PzS 600	600	191	198	367	35,1

2 PzS 160	160	47	198	427	9,7
3 PzS 240	240	65	198	427	14
4 PzS 320	320	83	198	427	18,2
5 PzS 400	400	101	198	427	22,3
6 PzS 480	480	119	198	427	26,3
7 PzS 560	560	137	198	427	30,5
8 PzS 600	640	155	198	427	34,9
9 PzS 720	720	173	198	427	38,9
10 PzS 800	800	191	198	427	43

2 PzS 180	180	47	198	494	11,1
3 PzS 270	270	65	198	494	15,9
4 PzS 360	360	83	198	494	20,5
5 PzS 450	450	101	198	494	25,6
6 PzS 540	540	119	198	494	30,1
7 PzS 630	630	137	198	494	34,5
8 PzS 720	720	155	198	494	39
9 PzS 810	810	173	198	494	43,8
10 PzS 900	900	191	198	494	48,4

2 PzS 210	210	47	198	542	12,8
3 PzS 315	315	65	198	542	18,1
4 PzS 420	420	83	198	542	23,5
5 PzS 525	525	101	198	542	28,5
6 PzS 630	630	119	198	542	34,1
7 PzS 735	735	137	198	542	39,4
8 PzS 840	840	155	198	542	44,8
9 PzS 845	945	173	198	542	49,8
10 PzS 1050	1050	191	198	542	55,1

* Overlid height = Overall height - 30 mm

* 4P = 4 post cell configuration for high discharge and recharge currents

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Cell designation	Nominal capacity	Length	Width	Overall height	Weight +/-5% with electrolyte
	5-hour Ah	mm	mm	mm	Kg
2 PzS 230	230	47	198	573	13,3
3 PzS 345	345	65	198	573	18,7
4 PzS 460	460	83	198	573	25,1
5 PzS 575	575	101	198	573	30,2
6 PzS 690	690	119	198	573	35,4
7 PzS 805	805	137	198	573	41,3
8 PzS 920	920	155	198	573	47
9 PzS 1035	1035	173	198	573	52,3
10 PzS 1150	1150	191	198	573	58,2

2 PzS 250	250	47	198	599	14,8
3 PzS 375	375	65	198	599	20,4
4 PzS 500	500	83	198	599	26,4
5 PzS 625	625	101	198	599	32,7
6 PzS 750	750	119	198	599	39,1
7 PzS 875	875	137	198	599	43,6
8 PzS 1000	1000	155	198	599	51,4
9 PzS 1125	1125	173	198	599	57,1
10 PzS 1250	1250	191	198	599	63,3

2 PzS 280	47	280	198	714	16
3 PzS 420	65	420	198	714	23
4 PzS 560	83	560	198	714	30,1
5 PzS 700	101	700	198	714	37
6 PzS 840	119	840	198	714	44,7
7 PzS 980	137	980	198	714	50,7
8 PzS 1120	155	1120	198	714	58,1
9 PzS 1260	173	1260	198	714	64,7
10 PzS 1400	191	1400	198	714	71,9

2 PzS 310	310	47	198	744	17,5
3 PzS 465	465	65	198	744	25,5
4 PzS 620	620	83	198	744	33,8
5 PzS 775	775	101	198	744	39,6
6 PzS 930	930	119	198	744	48
7 PzS 1085	1085	137	198	744	55,6
8 PzS 1240	1240	155	198	744	63
9 PzS 1395	1395	173	198	744	70,2
10 PzS 1550	1550	191	198	744	78,3

* Overlid height = Overall height - 30 mm

* 4P = 4 post cell configuration for high discharge and recharge currents

PzB-cells DELTA BATTERY®

With bolt-on connectors, dimensions according to IEC 254-2 Serie E standard

Cell designation	Nominal capacity	Length	Width	Overall height	Weight +/-5% with electrolyte
	5-hour Ah	mm	mm	mm	Kg
2 PzB 110	110	46	158	432	7,5
3 PzB 165	165	62	158	432	10,3
4 PzB 220	220	78	158	432	13,2
5 PzB 275	275	94	158	432	16,3
6 PzB 330	19,3	110	158	432	330
7 PzB 385	385	126	158	432	21,7
8 PzB 440	440	142	158	432	24,9
9 PzB 495	495	158	158	432	28,3
10 PzB 550	550	174	158	432	30,5

2 PzB 130	130	46	158	484	8,3
3 PzB 195	195	62	158	484	11,9
4 PzB 260	260	78	158	484	15,1
5 PzB 325	325	94	158	484	18,5
6 PzB 390	390	110	158	484	21,8
7 PzB 455	455	126	158	484	25,3
8 PzB 520	520	142	158	484	28,2
9 PzB 585	585	158	158	484	32
10 PzB 650	650	174	158	484	35,6

2 PzB 150	150	46	158	545	9,6
3 PzB 225	225	62	158	545	13,1
4 PzB 300	300	78	158	545	17,2
5 PzB 375	375	90	158	545	21,1
6 PzB 450	450	110	158	545	24,9
7 PzB 525	525	126	158	545	28,6
8 PzB 600	600	142	158	545	32,8
9 PzB 675	675	158	158	545	36,2
10 PzB 750	750	174	158	545	40,2
11 PzB 825	825	190	158	545	43,5
12 PzB 900	900	206	158	545	48,3

2 PzB 160	160	46	158	545	9,8
3 PzB 240	240	62	158	545	13,7
4 PzB 320	320	78	158	545	17,6
5 PzB 400	400	94	158	545	21,3
6 PzB 480	480	110	158	545	25,5
7 PzB 560	560	126	158	545	29,3
8 PzB 640	640	142	158	545	33,4
9 PzB 720	720	158	158	545	37,3
10 PzB 800	800	174	158	545	41,5

* Overlid height = Overall height - 30 mm

* 4P = 4 post cell configuration for high discharge and recharge currents

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With bolt-on connectors, dimensions according to IEC 254-2 Serie E standard

Cell designation	Nominal capacity	Length	Width	Overall height	Weight +/-5% with electrolyte
	5-hour Ah	mm	mm	mm	Kg
2 PzB 170	170	46	158	598	10,8
3 PzB 255	255	62	158	598	14,9
4 PzB 340	340	78	158	598	19,3
5 PzB 425	425	94	158	598	23,6
6 PzB 510	510	110	158	598	28
7 PzB 595	595	126	158	598	31,9
8 PzB 680	680	142	158	598	36,3
9 PzB 765	765	158	158	598	40,6
10 PzB 850	850	174	158	598	45,1

2 PzB 200	200	46	158	631	11,4
3 PzB 300	300	62	158	631	15,9
4 PzB 400	400	78	158	631	20,7
5 PzB 500	500	94	158	631	25,3
6 PzB 600	600	110	158	631	29,6
7 PzB 700	700	126	158	631	34,4
8 PzB 800	800	142	158	631	39,3
9 PzB 900	900	158	158	631	43,5
10 PzB 1000	1000	174	158	631	48,7
11 PzB 1100	1100	190	158	631	53,2
12 PzB 1200	1200	206	158	631	57,5

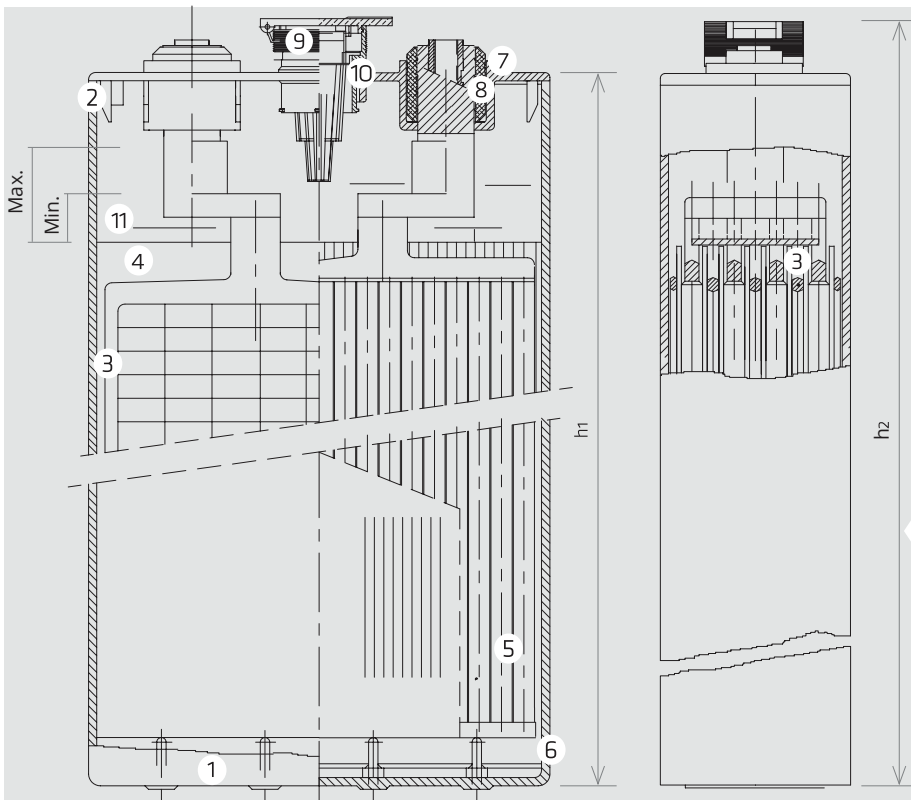
2 PzB 210	210	46	158	717	13
3 PzB 315	315	62	158	717	18,1
4 PzB 420	420	78	158	717	23,2
5 PzB 525	525	94	158	717	28,2
6 PzB 630	630	110	158	717	33,5
7 PzB 735	735	126	158	717	38,9
8 PzB 840	840	142	158	717	44,6
9 PzB 970	970	158	158	717	49,5
10 PzB 1080	1080	174	158	717	54,8
11 PzB 1180	1180	190	158	717	60,1
12 PzB 1290	1290	206	158	717	65,3

* Overlid height = Overall height - 30 mm

* 4P = 4 post cell configuration for high discharge and recharge currents

ADVANTAGES OF TUBULAR POSITIVE PLAT

- + Polyester gauntlets are fixed by acrylic resin
- + Half of outside tubes are covered with additional resin to prevent side short circuits
- + Tubular design keeps the active material mechanically together and presses it onto the grid and thus prevents shedding of active material due to forklift vibrations
- + The tube with the circular cross section avoids shedding of the mass and keeps the structure together
- + Corrosion speed is reduced by the tubes, because pressing the PbO₂ corrosion layer onto the grid surface and helps to protect the lead grid against further corrosion
- + Expected life is 20% higher as flat plate
- + Tubular batteries reach more than 1500 cycles at 80% DOD according to EN/IEC 60 254-1



All measures and weights are within standard production tolerances. Electrical values are approximate. Technical modifications are reserved without prior notice.

- 1 Polypropilene container
- 2 Polypropilene cover
- 3 Negative grid Plate
- 4 Microporous separator
- 5 Positive armoured tube Plate
- 6 Settling rib
- 7 Terminal post
- 8 Rubber sealing
- 9 Cell plug Ø35,5
- 10 Plug sealing Ø35,5
- 11 Electrolyte



MOTIVE POWER
DELTA® BATTERY
PROVIDE MOST EFFICIENT
SOLUTION WITH HIGH
QUALITY BATTERIES.

ABOUT DELTA®

DELTA European manufactured battery solutions for industrial application, reserve power, motive power batteries and automotive batteries, battery chargers running solutions for your business.

DELTA cells use the robust tubular vented technology (PzS and PzB). The positive electrodes are high pressure cast tubular plates (PzS and PzB) and advanced components used in their manufacture provide increased efficiency.

DELTA batteries are the ideal choice for light duty to heavy duty applications. These batteries are designed to power all types of industrial trucks, and are also perfectly suited for all other applications where a powerful and robust power source with high cyclability is required. Usage of Advanced components for the manufacturing of electrodes gives higher discharge efficiency.

BETTER FOR YOUR BUSINESS



Tubular Cell



Efficient Operation



Longer Cycle life



Maximum flexibility



Green Technology



Customer Support