



RANGE SUMMARY PzB

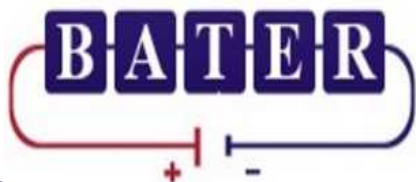


Batteries in the PzB BS range has the highest levels of reliability and has been used in all type fork lift.

Our PzB range offers high cycle consistency 1500 cycles.

MAIN FEATURES

- Capacity range: 84Ah ÷ 1260Ah- (C_5 $U_e=1.70V/cell @ +30^{\circ}C$),
- Dimensions and electrical data accordance to: EN 60254 (IEC254), DIN43531, DIN43535, DIN43536, DIN41773, DIN41774,
- Service life: 1500 cycles DOD 80%, in temperature 20°C,
- High reliability,
- Low maintenance,
- Battery can be equipped with:
 - Battery Filling Systems (BFS),
 - Electrolyte Stirring System (EUW),
 - Electrolyte level controller (Basic Blinky),
 - Liquid in tray detection system (ACC Smart Tray Monitor).



CONSTRUCTION

- **positive plate** –the grid of the tubular positive plate consists of several lead spines which are joined together by the upper frame. Spines are being die-casted. These thin lead spines, which are equipped with small concentric vanes, are covered with acid permeable tubes. Between the lead spines and tubes is the active positive material. Tubes are being wet-filled. A special lead alloy which is used for positive plate has an Sb portion 4-6%.
- **negative plate** – a lead grid pasted with active material forms the negative plate. Grids are being die-casted. A special lead alloy which is used for negative grid has an Sb portion 6%.
- **separators** - Daramic polyethylen, low resistance, high acid proof, microporus material. Negative plates are wrapped prevented loss active mass,
- **terminals** – are being made from corrosion resistant lead alloy with brass inserted designed to give minimum resistance.
- **container** – the cell container is made of PP ,
- **lid** – is made of PP and equipped with well proven seal for leakage-proof insulation of the terminal construction. Lid and container are being welded,
- **connection** –fully insulated flexible copper with full insulated screw with measurements hole,
- **electrolyte**– sulphuric acid with a density $1,29\text{g/cm}^3 \pm 0.01$ @+30°C/max level/full charged cell,
- **trays** -special BATER made tray. Trays are made of steel coated with polyethylene fluidization method.. We project and produce structures according to customer documentation.

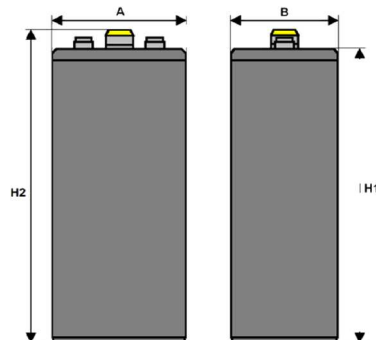
TECHNICAL DATA

- recommended charge accordance to DIN characteristic:
 - DIN 41774 Wa, WOWa,
 - DIN 41773 IU,
 - DIN 41773, 41774 IUla,

STANDARDS

- EN 60254 (IEC 254),
- DIN 41773, DIN 41774,
- ISO 9001 i ISO 14001

BATTERY DATA



Temperature @ +30°C

No	Plate Type	Cell type	Capacity	Dimension				Weight	
			Q ₅ Ue = 1,70V/ogn.	Lenght	Widht	Weight		Dry	Wet
				A	B	H1	H2	+/-5%	
			[Ah]	[mm]				[kg]	
1	B42	2 PzB 84	84	158	45	328	358	5,3	6,3
2		3 PzB 126	126	158	61	328	358	7,4	8,9
3		4 PzB 168	168	158	77	328	358	9,5	11,6
4		5 PzB 210	210	158	93	328	358	11,6	14,1
5		6 PzB 252*	252	158	109	328	358	13,7	16,5
6		7 PzB 294*	294	158	125	328	358	15,8	19,1
7		8 PzB 336*	336	158	141	328	358	17,9	21,6
8		9 PzB 378*	378	158	157	328	358	20	24,3
9		10 PzB 420*	420	158	173	328	358	22,2	27,1
10		11 PzB 462-4	462	158	189	328	358	24,3	29,8
11		12 PzB 504-4	504	158	205	328	358	26,5	33,5
12	B55	2 PzB 110	110	158	45	398	428	6,6	7,8
13		3 PzB 165	165	158	61	398	428	9,2	11
14		4 PzB 220	220	158	77	398	428	11,9	14,4
15		5 PzB 275	275	158	93	398	428	14,5	17,6
16		6 PzB 330*	330	158	109	398	428	17,1	20,8
17		7 PzB 385*	385	158	125	398	428	19,8	24,1
18		8 PzB 440*	440	158	141	398	428	22,4	27,3
19		9 PzB 495*	495	158	157	398	428	25,1	30,7
20		10 PzB 550*	550	158	173	398	428	27,7	33,9
21		11 PzB 605-4	605	158	189	398	428	30,23	37,2
22		12 PzB 660-4	660	158	205	398	428	32,74	40,3

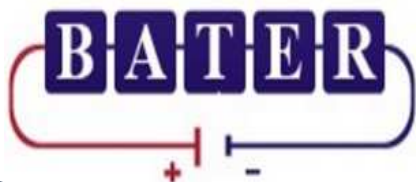
* on special request, it can be made in a four poles version



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No	Plate Type	Cell type	Capacity	Dimension				Weight	
			Q ₅ Ue = 1,70V/ogn.	Lenght	Widht	Height		Dry	Wet
				A	B	H1	H2	+/-5%	
			[Ah]	[mm]				[kg]	
23	B65	2 PzB 130	130	158	45	454	484	7,8	9,5
24		3 PzB 195	195	158	61	454	484	11	13,3
25		4 PzB 260	260	158	77	454	484	14,1	16,6
26		5 PzB 325	325	158	93	454	484	17,2	20,2
27		6 PzB 390*	390	158	109	454	484	20,4	24
28		7 PzB 455*	455	158	125	454	484	23,5	27,7
29		8 PzB 520*	520	158	141	454	484	26,7	31,5
30		9 PzB 585*	585	158	157	454	484	29,8	35,2
31		10 PzB 650*	650	158	173	454	484	32,9	39,1
32		11 PzB 715-4	715	158	189	454	484	34,79	41,4
33		12 PzB 780-4	780	158	205	454	484	36,45	44,85
34		B75	2 PzB 150	150	158	45	511	541	8,4
35	3 PzB 225		225	158	61	511	541	11,7	13,9
36	4 PzB 300		300	158	77	511	541	15,1	18
37	5 PzB 375		375	158	93	511	541	18,4	21,9
38	6 PzB 450*		450	158	109	511	541	21,8	25,8
39	7 PzB 525*		525	158	125	511	541	25,1	29,9
40	8 PzB 600*		600	158	141	511	541	28,5	33,9
41	9 PzB 675*		675	158	157	511	541	31,8	37,9
42	10 PzB 750*		750	158	173	511	541	35,2	42
43	11 PzB 825-4		825	158	189	511	541	37,97	46,8
44	12 PzB 900-4		900	158	205	511	541	40,85	50,6
45	B86		2 PzB 172	172	158	45	567	597	9,5
46		3 PzB 258	258	158	61	567	597	13,3	15,8
47		4 PzB 344	344	158	77	567	597	17,1	20,7
48		5 PzB 430	430	158	93	567	597	20,9	25,3
49		6 PzB 516*	516	158	109	567	597	24,7	30
50		7 PzB 602*	602	158	125	567	597	28,5	34,5
51		8 PzB 688*	688	158	141	567	597	32,3	39,1
52		9 PzB 774*	774	158	157	567	597	36,1	43,8
53		10 PzB 860*	860	158	173	567	597	39,9	48,3
54		11 PzB 946-4	946	158	189	567	597	43,63	52,23
55		12 PzB 1032-4	1032	158	205	567	597	45,8	56,66

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No	Plate Type	Cell type	Capacity	Dimension				Weight	
			Q ₅ U _e = 1,70V/ogn.	Lenght	Widht	Height		Dry	Wet
				A	B	H1	H2	+/-5%	
			[Ah]	[mm]				[kg]	
56	B100	2 PzB 200	200	158	45	603	633	10,9	12,9
57		3 PzB 300	300	158	61	603	633	15,2	18,1
58		4 PzB 400	400	158	77	603	633	19,6	23,9
59		5 PzB 500	500	158	93	603	633	24	29,2
60		6 PzB 600*	600	158	109	603	633	28,3	34,4
61		7 PzB 700*	700	158	125	603	633	32,7	39,8
62		8 PzB 800*	800	158	141	603	633	37	45,2
63		9 PzB 900*	900	158	157	603	633	41,4	50,5
64		10 PzB 1000*	1000	158	173	603	633	45,7	55,8
65		11 PzB 1100-4	1100	158	189	603	633	49,97	58,17
66		12 PzB 1200-4	1200	158	205	603	633	53,87	63,17
67		B105	2 PzB 210	210	158	45	683	713	11,6
68	3 PzB 315		315	158	61	683	713	16,2	19,6
69	4 PzB 420		420	158	77	683	713	20,9	25,1
70	5 PzB 525		525	158	93	683	713	25,5	30,8
71	6 PzB 630*		630	158	109	683	713	30,1	36,2
72	7 PzB 735*		735	158	125	683	713	34,8	42,5
73	8 PzB 840*		840	158	141	683	713	39,4	48,3
74	9 PzB 945*		945	158	157	683	713	44,1	54,1
75	10 PzB 1050*		1050	158	173	683	713	48,7	61
76	11 PzB 1155-4		1155	158	189	683	713	53,8	65,75
77	12 PzB 1260-4		1260	158	205	683	713	56,5	70,1

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