



TRACTION BULL WET

Banner

BS (British Standard) cells, bolted, 158 mm width

Type 2 PzB 46 8 PzB 840

The Banner Traction Bull PzB is a lead-acid battery containing liquid electrolyte. This battery is employed wherever a long service life, great reliability, high performance and cycle resistance are required.

PzB batteries are generally recognised as being the most economic and well-proven solution for the storage of the electrical power needed by floor transport vehicles, skids and other electric vehicles with high energy/cyclical demands.

Applications

- Forklift technology
- Sweeping machines
- Lifting platforms
- Special applications (AGVs, skids)

Features

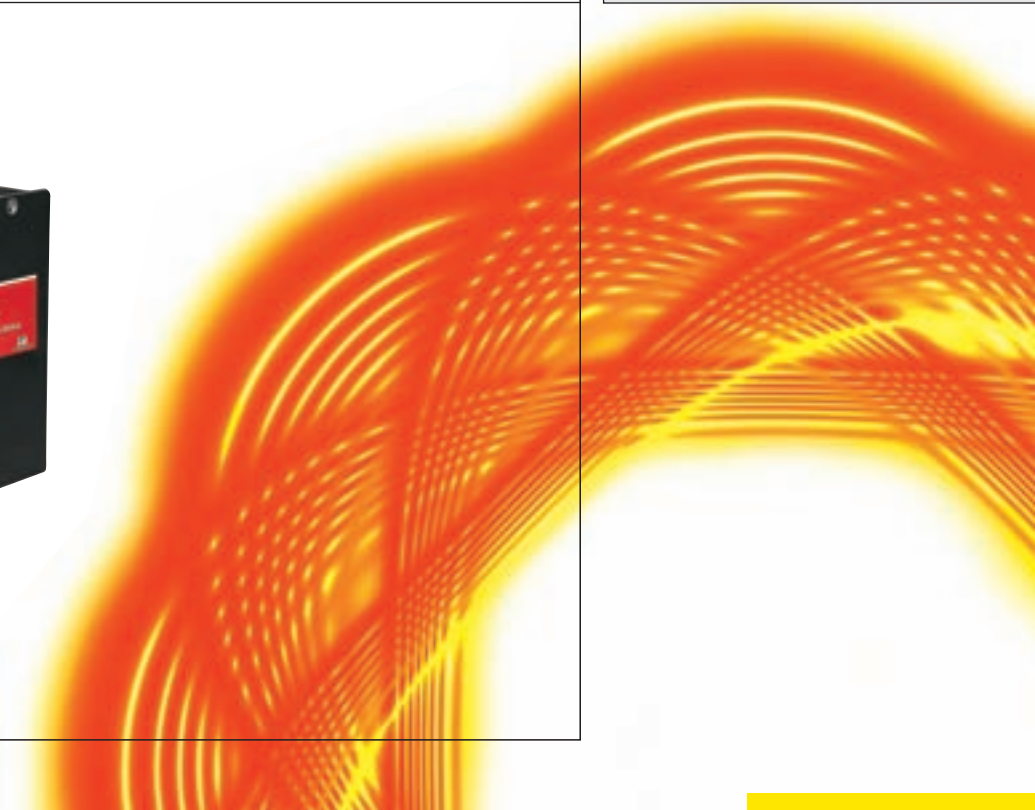
- Robust lead-acid battery technology with liquid electrolyte
- Proven tubular plate technology for high performance and reliability
- Zero-maintenance for entire service life
- Highest design, material and processing standards (EN 60245-2, IEC 254-2)
- Great cyclical resistance

Design

- Positive tubular plates
- High capacity for long running times and battery life
- High energy density
- Full terminal and connector isolation
- Electrolyte-tight terminal design
- Isolated and maintenance free terminal screws

Options

- Electrolyte circulation
- Water refill system
- Battery controller
- Cold store version
- Explosion protection



TRACTION BULL WET

Banner

BOLTED BS CELL SERIES

BS cells (bolted) 158 mm width

	Cell width 158 mm	Cap. Ah(C ₂₀)	Weight (kg)	Length (mm)
23 Ah*				
Height above cover 200 mm	2 PzB	46	4.1	45
Total height 230 mm	3 PzB	69	5.6	61
	4 PzB	92	7.0	77
	5 PzB	115	8.5	93
	6 PzB	138	10.0	109

	Cell width 158 mm	Cap. Ah(C ₂₀)	Weight (kg)	Length (mm)
55 Ah*				
Height above cover 398 mm	2 PzB	110	8.4	45
Total height 428 mm	3 PzB	165	11.5	61
	4 PzB	220	14.6	77
	5 PzB	275	17.8	93
	6 PzB	330	20.9	109
	7 PzB	385	24.0	125
	8 PzB	440	27.2	141
	9 PzB	495	30.3	157
	10 PzB	550	33.3	173

	Cell width 158 mm	Cap. Ah(C ₂₀)	Weight (kg)	Length (mm)
85 Ah*				
Height above cover 567 mm	2 PzB	170	12.3	45
Total height 597 mm	3 PzB	255	17.0	61
	4 PzB	340	21.6	77
	5 PzB	425	26.3	93
	6 PzB	510	30.9	109
	7 PzB	595	35.6	125
	8 PzB	680	40.4	141
	9 PzB	765	44.8	157
	10 PzB	850	49.7	173
	11 PzB	935	54.4	189

	Cell width 158 mm	Cap. Ah(C ₂₀)	Weight (kg)	Length (mm)
32 Ah*				
Height above cover 262 mm	2 PzB	64	5.4	45
Total height 292 mm	3 PzB	96	7.3	61
	4 PzB	128	9.2	77
	5 PzB	160	11.3	93
	6 PzB	192	13.2	109
	7 PzB	224	15.2	125
	8 PzB	256	17.2	141

	Cell width 158 mm	Cap. Ah(C ₂₀)	Weight (kg)	Length (mm)
65 Ah*				
Height above cover 454 mm	2 PzB	130	9.6	45
Total height 484 mm	3 PzB	195	13.2	61
	4 PzB	260	16.8	77
	5 PzB	325	20.5	93
	6 PzB	390	24.1	109
	7 PzB	455	27.7	125
	8 PzB	520	31.4	141
	9 PzB	585	35.0	157
	10 PzB	650	38.5	173

	Cell width 158 mm	Cap. Ah(C ₂₀)	Weight (kg)	Length (mm)
100 Ah*				
Height above cover 603 mm	2 PzB	200	12.9	45
Total height 633 mm	3 PzB	300	17.7	61
	4 PzB	400	22.6	77
	5 PzB	500	27.5	93
	6 PzB	600	32.4	109
	7 PzB	700	37.3	125
	8 PzB	800	42.2	141
	9 PzB	900	46.8	157

	Cell width 158 mm	Cap. Ah(C ₂₀)	Weight (kg)	Length (mm)
42 Ah*				
Height above cover 328 mm	2 PzB	84	6.9	45
Total height 358 mm	3 PzB	126	9.4	61
	4 PzB	168	11.9	77
	5 PzB	210	14.5	93
	6 PzB	252	17.1	109
	7 PzB	294	19.7	125
	8 PzB	336	22.2	141

	Cell width 158 mm	Cap. Ah(C ₂₀)	Weight (kg)	Length (mm)
75 Ah*				
Height above cover 511 mm	2 PzB	150	10.9	45
Total height 541 mm	3 PzB	225	14.9	61
	4 PzB	300	19.0	77
	5 PzB	375	23.1	93
	6 PzB	450	27.3	109
	7 PzB	525	31.4	125
	8 PzB	600	35.6	141
	9 PzB	675	39.2	157
	10 PzB	750	43.7	173
	11 PzB	825	47.8	189

	Cell width 158 mm	Cap. Ah(C ₂₀)	Weight (kg)	Length (mm)
105 Ah*				
Height above cover 683 mm	2 PzB	210	14.8	45
Total height 713 mm	3 PzB	315	20.4	61
	4 PzB	420	26.1	77
	5 PzB	525	31.7	93
	6 PzB	630	37.3	109
	7 PzB	735	43.0	125
	8 PzB	840	48.7	141

* Capacity per positive plate AH (C₅) at 30°C



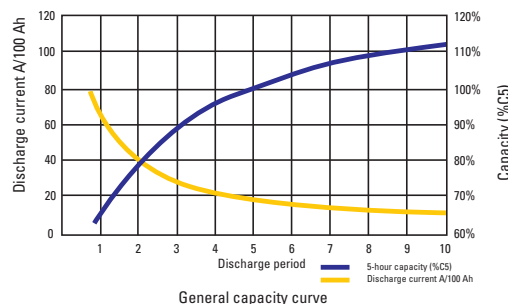
1,500 cycles
accord. to
DIN/EN 60254-1,
IEC 254-1



Rated
capacity
46 - 840 Ah



Wet technology



All figures relating to dimensions and weight are subject to the standard production tolerances. The electrical values are approximate.

Our products are subject to ongoing development, therefore we retain the right to make changes without an obligation to inform.

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