



TRACTION BULL GEL

Banner

DIN/EN cells, bolted, 198 mm width

Type 2 PzV 84 8 PzV 1120

The Banner Traction Bull PzV is a maintenance-free, gel technology drive battery, which is used wherever long service life, great reliability, high performance and cyclical resistance are required. PzV batteries are ideal for forklifts, electric vehicles, cleaning and sweeping machines and AGVs. Due to its high levels of operational safety, this series is especially suitable for applications in the foods, pharmaceutical and chemicals industries.

Applications

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

Features

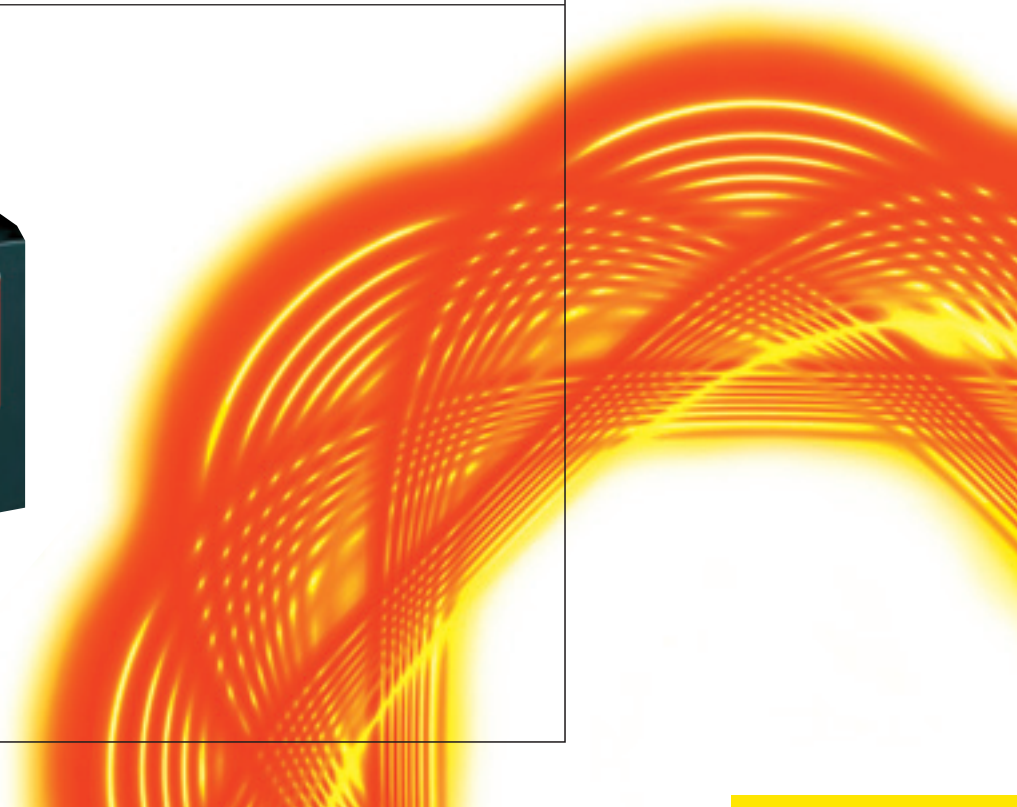
- Zero maintenance (no topping up with water during the battery's entire service life).
- Proven tubular plate technology for high performance and reliability.
- Top design, material and processing standards (EN 60254-2, IEC 254-2)
- High cyclical resistance.
- Solid electrolyte as a safeguard against leaks.
- Very low self-discharge.
- Minimum gassing during operation.

Design

- Positive tubular plates.
- High capacity for long running times and extended battery life.
- High energy density.
- Fully insulated terminals and connectors.
- Electrolyte-tight terminal design.
- Insulated, zero-maintenance terminal screws

Options

- Battery controller
- Cold store version
- Ex-protection



TRACTION BULL GEL

Banner

BOLTED PzV CELL SERIES

PzV cells (bolted) 198 mm width

	Cell width	Cap.	Weight	Length
	198 mm	Ah(C ₅)	(kg)	(mm)
42 Ah*				
Height above lid 275 mm Total height 305 mm	2 PzV	84	7.3	47
	3 PzV	126	10.2	65
	4 PzV	168	13.1	83
	5 PzV	210	16.1	101
	6 PzV	252	19.1	119
	7 PzV	294	22.0	137
	8 PzV	336	24.9	155

	Cell width	Cap.	Weight	Length
	198 mm	Ah(C ₅)	(kg)	(mm)
87 Ah*				
Height above lid 475 mm Total height 505 mm	2 PzV	174	13.2	47
	3 PzV	261	18.9	65
	4 PzV	348	24.4	83
	5 PzV	435	30.0	101
	6 PzV	522	35.6	119
	7 PzV	609	41.1	137
	8 PzV	696	46.7	155

	Cell width	Cap.	Weight	Length
	198 mm	Ah(C ₅)	(kg)	(mm)
125 Ah*				
Height above lid 685 mm Total height 715 mm	2 PzV	250	20.8	47
	3 PzV	375	29.1	65
	4 PzV	500	37.5	83
	5 PzV	625	46.1	101
	6 PzV	750	54.6	119
	7 PzV	875	63.2	137
	8 PzV	1000	71.7	155

	Cell width	Cap.	Weight	Length
	198 mm	Ah(C ₅)	(kg)	(mm)
60 Ah*				
Height above lid 340 mm Total height 370 mm	2 PzV	120	9.4	47
	3 PzV	180	13.3	65
	4 PzV	240	17.2	83
	5 PzV	300	21.0	101
	6 PzV	360	24.9	119
	7 PzV	420	28.8	137
	8 PzV	480	32.7	155

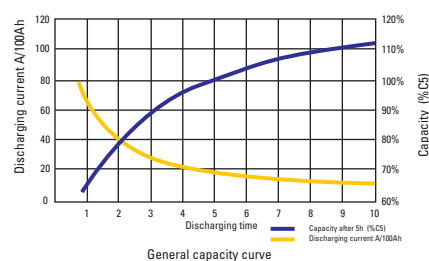
	Cell width	Cap.	Weight	Length
	198 mm	Ah(C ₅)	(kg)	(mm)
95 Ah*				
Height above lid 511 mm Total height 541 mm	2 PzV	190	14.3	47
	3 PzV	285	20.4	65
	4 PzV	380	26.5	83
	5 PzV	475	32.6	101
	6 PzV	570	38.8	119
	7 PzV	665	44.8	137
	8 PzV	760	51.0	155

	Cell width	Cap.	Weight	Length
	198 mm	Ah(C ₅)	(kg)	(mm)
140 Ah*				
Height above lid 720 mm Total height 750 mm	2 PzV	280	21.4	47
	3 PzV	420	30.1	65
	4 PzV	520	38.8	83
	5 PzV	700	47.6	101
	6 PzV	840	56.5	119
	7 PzV	980	65.4	137
	8 PzV	1120	74.1	155

	Cell width	Cap.	Weight	Length
	198 mm	Ah(C ₅)	(kg)	(mm)
75 Ah*				
Height above lid 405 mm Total height 435 mm	2 PzV	150	11.0	47
	3 PzV	225	15.7	65
	4 PzV	300	20.3	83
	5 PzV	375	24.9	101
	6 PzV	450	29.6	119
	7 PzV	525	34.2	137
	8 PzV	600	38.8	155

	Cell width	Cap.	Weight	Length
	198 mm	Ah(C ₅)	(kg)	(mm)
110 Ah*				
Height above lid 570 mm Total height 600 mm	2 PzV	220	15.9	47
	3 PzV	330	22.7	65
	4 PzV	440	29.4	83
	5 PzV	550	36.1	101
	6 PzV	660	42.9	119
	7 PzV	770	49.6	137
	8 PzV	880	56.4	155

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



Zero-maintenance



Optional explosion-protected version



Rated capacity 84-1120 Ah



Recyclable



Tubular plates



Sealed



Single cells

All dimensions and weights subject to standard production tolerances. The electrical values are approximate.

Our products are subject to ongoing further development and therefore we retain the right to make changes without prior information.

Presented by:

A: Banner GmbH, A-4021 Linz, Banner Straße 1,
Tel. 0732/3888-0, Fax 0732/3888-21598, e-mail: office@bannerbatterien.com

GB: Banner Batteries (GB) Ltd., Units 5-8 Canal View Business Park, Wheelhouse Road, Rugeley,
Staffordshire WS15 1UY, Tel. +44/ (0)1889/ 57 11 00, Telefax +44/ (0)1889/ 57 73 42,
e-mail: office.bgb@bannerbatteries.com