

# Traction batteries

## GEL - PZV

Maintenance-free traction cells with positive tubular plates.

Our maintenance-free sealed-type GEL battery is ideal for food, pharmaceutical, and chemical industries where hygiene standards are essential.

The ideal solution for hygiene-sensitive product storage facilities, where gas emissions must be minimum and liquid acid must be absent. Ideal for storage areas with limited charging space or where maintenance is difficult. The GEL batteries have zero maintenance costs as they don't require any water topping up.

The bayonet design of the valve ensures better sealing of cells. Lids with increased thickness ensure the robustness of the cell against the developed operating pressure. Vacuum GEL Filling process ensures that no gas is trapped between and inside the plates.

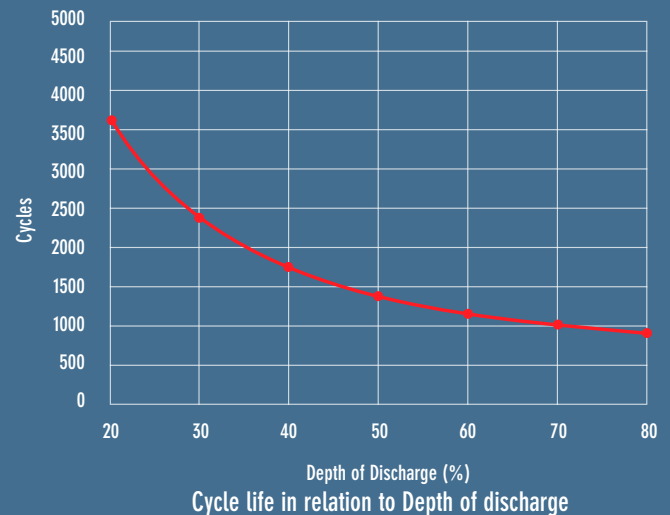


**Attention:** the charger must be adapted to gel PzV charging profile. We recommend 12h charging. For 8 hours charging, the capacity should not exceed 600-650 Ah for 24V, 350 Ah for 48V or 200 Ah for 80V batteries.

## BENEFITS

- Minimized maintenance costs
- No water topping up required
- High Performance: tubular plate design ideal for deep cycling loads
- Minimum gas emission
- Low ventilation requirements
- Safe to use
- User and environmental friendly: no acid leakage, no danger for corrosion and contamination.
- Long lifetime: GEL electrolyte prevents acid stratification & there is no development of high temperatures.
- Flexibility and interchangeability: DIN and BS standards, safe and easy switch from PzS to PzV battery. Provided that the charging profile is suitable for PzV.

## SERVICE LIFE: 1200 CYCLES DOD 60%



## APPLICATIONS



Forklifts



Industrial cleaning machines



Food industry



Pallet jack



Pharma & chemical industry



Cell Type DIN						
CELL TYPE	Capacity (Ah/5h)	Weight (Kg)	Dimensions (mm)			
			X	Y	H	h
2 EPzV 120	120	9,6	47	198	370	343
3 EPzV 180	180	13,2	65	198	370	343
4 EPzV 240	240	16,8	83	198	370	343
5 EPzV 300	300	20,1	101	198	370	343
6 EPzV 360	360	24,0	119	198	370	343
7 EPzV 420	420	27,7	137	198	370	343
8 EPzV 480	480	31,4	155	198	370	343
2 EPzV 150	150	11,6	47	198	435	408
3 EPzV 150	150	16,0	65	198	435	408
4 EPzV 300	300	20,4	83	198	435	408
5 EPzV 375	375	24,8	101	198	435	408
6 EPzV 450	450	29,3	119	198	435	408
7 EPzV 525	525	33,8	137	198	435	408
8 EPzV 600	600	38,3	155	198	435	408
2 EPzV 170	170	13,5	47	198	505	478
3 EPzV 255	255	18,7	65	198	505	478
4 EPzV 340	340	24,0	83	198	505	478
5 EPzV 425	425	29,2	101	198	505	478
6 EPzV 510	510	34,4	119	198	505	478
7 EPzV 595	595	39,7	137	198	505	478
8 EPzV 680	680	44,9	155	198	505	478
2 EPzV 220	220	16,3	47	198	595	568
3 EPzV 330	330	22,5	65	198	595	568
4 EPzV 440	440	28,8	83	198	595	568
5 EPzV 550	550	35,1	101	198	595	568
6 EPzV 660	660	41,4	119	198	595	568
7 EPzV 770	770	47,8	137	198	595	568
8 EPzV 880	880	54,1	155	198	595	568
2 EPzV 260	260	19,5	47	198	715	688
3 EPzV 390	390	26,9	65	198	715	688
4 EPzV 520	520	34,4	83	198	715	688
5 EPzV 650	650	41,9	101	198	715	688
6 EPzV 780	780	49,4	119	198	715	688
7 EPzV 910	910	57,0	137	198	715	688
8 EPzV 1040	1040	64,5	155	198	715	688
2 EPzV 280	280	20,4	47	198	740	713
3 EPzV 420	420	28,3	65	198	740	713
4 EPzV 560	560	36,2	83	198	740	713
5 EPzV 700	700	44,1	101	198	740	713
6 EPzV 840	840	52,1	119	198	740	713
7 EPzV 980	980	60,1	137	198	740	713
8 EPzV 1120	1120	68,1	155	198	740	713



Cell Type BS						
CELL TYPE	Capacity (Ah/5h)	Weight (Kg)	Dimensions (mm)			
			X	Y	H	h
2 PzVB 140	140	10,6	45	158	541	514
3 PzVB 210	210	14,5	61	158	541	514
4 PzVB 280	280	18,6	77	158	541	514
5 PzVB 350	350	22,6	93	158	541	514
6 PzVB 420	420	26,5	109	158	541	514
7 PzVB 490	490	30,5	125	158	541	514
8 PzVB 560	560	34,5	141	158	541	514
2 PzVB 170	170	12,8	45	158	633	606
3 PzVB 255	255	17,7	61	158	633	606
4 PzVB 340	340	22,5	77	158	633	606
5 PzVB 425	425	27,3	93	158	633	606
6 PzVB 510	510	32,1	109	158	633	606
7 PzVB 595	595	36,9	125	158	633	606
8 PzVB 680	680	41,9	141	158	633	606