

Traction batteries

LOW MAINTENANCE - LM

With proven PzS technology using tubular plates in combination with an adjusted charging regime results in extended watering intervals. Cells are manufactured and tested according to EN60254-1 and IEC254-1.

Low Maintenance 8-series :

- Watering interval : up to 8 weeks
- HF charger (1.10 - 1.11 charging factor)
- Electrolyte level indicator
- Automatic filling system (optional, but recommended)

Low Maintenance 13-series :

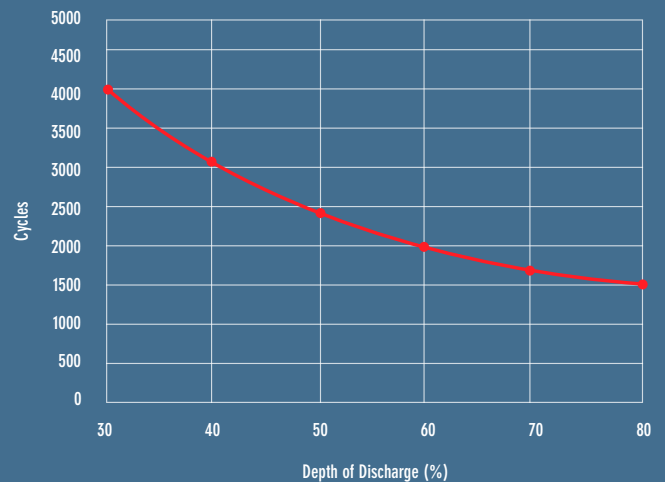
- Watering interval up to 13 weeks
- HF charger + Acid circulation system (1.07 - 1.08 charging factor)
- Electrolyte level indicator
- Automatic filling system (optional, but recommended)



BENEFITS

- Water refill interval is efficiently prolonged
- Reduced water consumption
- Low maintenance and reduced operational costs
- Reduced charging factor
- 50 to 80% reduced gas release and ventilation requirements
- 20 to 30% less charging time
- Cost saving due to lower energy consumption from 10 to 20%
- Reduced operation temperatures

SERVICE LIFE: 1500 CYCLES DOD 80%



Cycle life in relation to Depth of discharge

APPLICATIONS



Forklifts



Industrial cleaning machines



Pallet jack



AGV



CELL TYPE	Capacity (Ah/5h)	Weight (Kg)	Dimensions (mm)			
			X	Y	H	h
2 PzRM 160	160	10,2	47	198	425	402
3 PzRM 240	240	14,5	65	198	425	402
4 PzRM 320	320	18,7	83	198	425	402
5 PzRM 400	400	22,9	101	198	425	402
6 PzRM 480	480	27,1	119	198	425	402
7 PzRM 560	560	31,3	137	198	425	402
8 PzRM 640	640	35,5	155	198	425	402
9 PzRM 720	720	39,7	173	198	425	402
10 PzRM 800	800	43,9	191	198	425	402
12 PzRM 960	960	52,6	227	198	425	402
2 PzRM 180	180	11,6	47	198	495	472
3 PzRM 270	270	16,6	65	198	495	472
4 PzRM 360	360	21,4	83	198	495	472
5 PzRM 450	450	26,2	101	198	495	472
6 PzRM 540	540	31,0	119	198	495	472
7 PzRM 630	630	35,8	137	198	495	472
8 PzRM 720	720	40,6	155	198	495	472
9 PzRM 810	810	45,4	173	198	495	472
10 PzRM 900	900	50,2	191	198	495	472
12 PzRM 1080	1080	60,1	227	198	495	472
2 PzRM 210	210	13,3	47	198	538	515
3 PzRM 315	315	18,3	65	198	538	515
4 PzRM 420	420	23,7	83	198	538	515
5 PzRM 525	525	29,1	101	198	538	515
6 PzRM 630	630	34,5	119	198	538	515
7 PzRM 735	735	39,9	137	198	538	515
8 PzRM 840	840	45,3	155	198	538	515
9 PzRM 945	945	50,7	173	198	538	515
10 PzRM 1050	1050	56,4	191	198	538	515
12 PzRM 1260	1260	67,2	227	198	538	515
2 PzRM 230	230	14,0	47	198	568	545
3 PzRM 345	345	19,5	65	198	568	545
4 PzRM 460	460	25,0	83	198	568	545
5 PzRM 575	575	30,6	101	198	568	545
6 PzRM 690	690	36,2	119	198	568	545
7 PzRM 805	805	41,8	137	198	568	545
8 PzRM 920	920	47,4	155	198	568	545
9 PzRM 1035	1035	53,2	173	198	568	545
10 PzRM 1150	1150	58,9	191	198	568	545
12 PzRM 1380	1380	70,1	227	198	568	545



CELL TYPE	Capacity (Ah/5h)	Weight (Kg)	Dimensions (mm)			
			X	Y	H	h
2 PzRM 250	250	14,5	47	198	593	570
3 PzRM 375	375	20,5	65	198	593	570
4 PzRM 500	500	26,5	83	198	593	570
5 PzRM 625	625	32,5	101	198	593	570
6 PzRM 750	750	38,5	119	198	593	570
7 PzRM 875	875	44,5	137	198	593	570
8 PzRM 1000	1000	50,5	155	198	593	570
9 PzRM 1125	1125	56,8	173	198	593	570
10 PzRM 1250	1250	62,8	191	198	593	570
12 PzRM 1500	1500	74,8	227	198	593	570
2 PzRM 280	280	18,5	47	198	709	686
3 PzRM 420	420	25,3	65	198	709	686
4 PzRM 560	560	32,2	83	198	709	686
5 PzRM 700	700	39,5	101	198	709	686
6 PzRM 840	840	46,7	119	198	709	686
7 PzRM 980	980	54,0	137	198	709	686
8 PzRM 1120	1120	61,2	155	198	709	686
9 PzRM 1260	1260	68,8	173	198	709	686
10 PzRM 1400	1400	76,0	191	198	709	686
12 PzRM 1680	1680	90,5	227	198	709	686
2 PzRM 310	310	18,8	47	198	743	720
3 PzRM 465	465	26,1	65	198	743	720
4 PzRM 620	620	33,5	83	198	743	720
5 PzRM 775	775	41,1	101	198	743	720
6 PzRM 930	930	48,9	119	198	743	720
7 PzRM 1085	1085	56,7	137	198	743	720
8 PzRM 1240	1240	64,5	155	198	743	720
9 PzRM 1395	1395	72,8	173	198	743	720
10 PzRM 1550	1550	80,6	191	198	743	720
12 PzRM 1860	1860	96,2	227	198	743	720

LM	4-series	8-series	12-13-series
Refilling intervals in weeks	4	8	12-13
Charger	50 Hz	HF	HF + Acid circulation
Charging factor	1.2	1.10 - 1.11	1.07 - 1.08
Electrolyte level indicator	Serial	Serial	Serial
Central Water filling system	Optional	Optional	Optional
Acid circulation	Optional	Optional	Serial

Condition: water refilling intervals are based on 80% DOD - 1 cycle per day, 5 days per week.

