

TAB AQUALESS TRACTION PzRM BATTERIES

CELL DESIGN

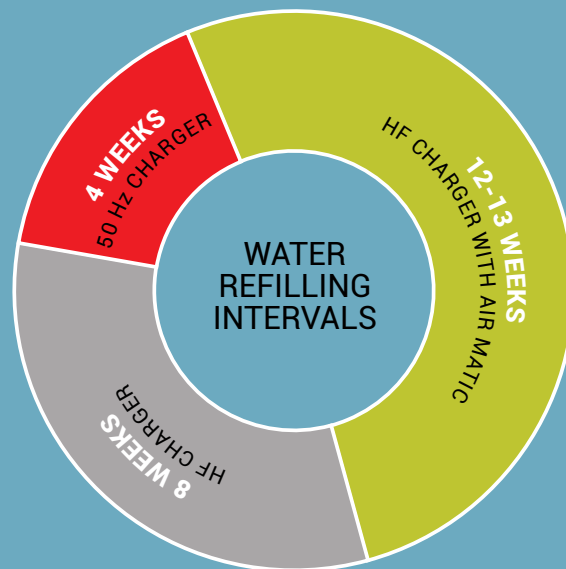
with proven PzS technology using tubular plates in combination with an adjusted charging regime results in extended watering intervals. TAB PzRM cells are manufactured and tested according to EN60254-1 and IEC254-1.

Main advantages

- 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 10-20%
- REDUCED OPERATING TEMPERATURES



Water refill interval is efficiently prolonged



TAB Aqualess

TAB AQUALESS	AQUA 1	AQUA 2	AQUA 3
Refilling Interval in weeks	4	8	12-13
Charger	50 Hz	HF	HF + Air Matic
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
Air Matic	OPTIONAL	OPTIONAL	SERIAL

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

TAB AQUALESS BATTERY SPECIFICATIONS:

- water refilling interval up to 13 weeks (at normal duty applications with 80% DOD C5, 1 cycle per day; 5 days per week, Electrolyte T=30°C)
- for these batteries proper chargers must be used
- cells are equipped with Electrolyte Mixing system (using charger with integrated air)
- batteries are assembled with Central Water Filling system
- each battery has an Electrolyte Level Sensor (length according manufacturer specifications).
With its red light it gives signal to the user when water refilling is needed



80Ah/plate

h1 = 402, h2 = 425 mm | length = b = 198 mm

CELL TYPE	CAPACITY C5	WIDTH mm	WEIGHT kg
2 PzRM160	160	47	10,2
3 PzRM240	240	65	14,5
4 PzRM320	320	83	18,7
5 PzRM400	400	101	22,9
6 PzRM480	480	119	27,1
7 PzRM560	560	137	31,3
8 PzRM640	640	155	35,5
9 PzRM720	720	173	39,7
10 PzRM800	800	191	43,9
12 PzRM960	960	227	52,6

90Ah/plate

h1 = 472, h2 = 495 mm | length = b = 198 mm

CELL TYPE	CAPACITY C5	WIDTH mm	WEIGHT kg
2 PzRM180	180	47	11,6
3 PzRM270	270	65	16,6
4 PzRM360	360	83	21,4
5 PzRM450	450	101	26,2
6 PzRM540	540	119	31,0
7 PzRM630	630	137	35,8
8 PzRM720	720	155	40,6
9 PzRM810	810	173	45,4
10 PzRM900	900	191	50,2
12 PzRM1080	1080	227	60,1

105Ah/plate

h1 = 515, h2 = 538 mm | length = b = 198 mm

CELL TYPE	CAPACITY C5	WIDTH mm	WEIGHT kg
2 PzRM210	210	47	13,3
3 PzRM315	315	65	18,3
4 PzRM420	420	83	23,7
5 PzRM525	525	101	29,1
6 PzRM630	630	119	34,5
7 PzRM735	735	137	39,9
8 PzRM840	840	155	45,3
9 PzRM945	945	173	50,7
10 PzRM1050	1050	191	56,4
12 PzRM1260	1260	227	67,2

115Ah/plate

h1 = 545, h2 = 568 mm | length = b = 198 mm

CELL TYPE	CAPACITY C5	WIDTH mm	WEIGHT kg
2 PzRM230	230	47	14
3 PzRM345	345	65	19,5
4 PzRM460	460	83	25
5 PzRM575	575	101	30,6
6 PzRM690	690	119	36,2
7 PzRM805	805	137	41,8
8 PzRM920	920	155	47,4
9 PzRM1035	1035	173	53,2
10 PzRM1150	1150	191	58,9
12 PzRM1380	1380	227	70,1

125Ah/plate

h1 = 570, h2 = 593 mm | length = b = 198 mm

CELL TYPE	CAPACITY C5	WIDTH mm	WEIGHT kg
2 PzRM250	250	47	14,5
3 PzRM375	375	65	20,5
4 PzRM500	500	83	26,5
5 PzRM625	625	101	32,5
6 PzRM750	750	119	38,5
7 PzRM875	875	137	44,5
8 PzRM1000	1000	155	50,5
9 PzRM1125	1125	173	56,8
10 PzRM1250	1250	191	62,8
12 PzRM1500	1500	227	74,8

140Ah/plate

h1 = 686, h2 = 709 mm | length = b = 198 mm

CELL TYPE	CAPACITY C5	WIDTH mm	WEIGHT kg
2 PzRM280	280	47	18,5
3 PzRM420	420	65	25,3
4 PzRM560	560	83	32,2
5 PzRM700	700	101	39,5
6 PzRM840	840	119	46,7
7 PzRM980	980	137	54,0
8 PzRM1120	1120	155	61,2
9 PzRM1260	1260	173	68,8
10 PzRM1400	1400	191	76,0
12 PzRM1680	1680	227	90,5

155Ah/plate

h1 = 720, h2 = 743 mm | length = b = 198 mm

CELL TYPE	CAPACITY C5	WIDTH mm	WEIGHT kg
2 PzRM310	310	47	18,8
3 PzRM465	465	65	26,1
4 PzRM620	620	83	33,5
5 PzRM775	775	101	41,1
6 PzRM930	930	119	48,9
7 PzRM1085	1085	137	56,7
8 PzRM1240	1240	155	64,5
9 PzRM1395	1395	173	72,8
10 PzRM1550	1550	191	80,6
12 PzRM1860	1860	227	96,2