

Gel Tensor Material Handling

Technical data sheet

Technical features:

- Advanced maintenance-free VRLA battery (valve regulated battery technology) with gel fixed electrolyte
- Optimized tubular plate technology and negative plate design in copper expanded metal technologies for high efficiency and long cycle life
- Maintenance-free (no topping up) during the whole life due to the VRLA technology
- Extremely good charge acceptance for opportunity charge and fully charge in 8 hours
- No contamination or corrosion due to liquid electrolyte
- Very low self-discharge

Standards & certifications:

- DIN sizes according to IEC 60254-2
- Manufactured in accordance with DIN EN ISO 9001
- Environmental management in accordance with DIN EN ISO 14001



Nominal capacity:
300-1540 Ah (DIN-cells)



Single cell



Tubular plate



Recyclable



Valve regulated
lead-acid batteries



Proof against
deep discharge

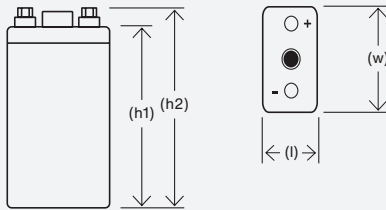


Maintenance-free
(no topping up)



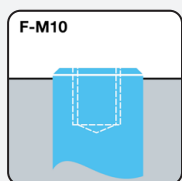
1250 cycles acc. to
DIN IEC 60254-1

Drawings, terminal and torque



h1 = height above cell lid
h2 = height above pole (incl. connector and pole screw)

Not to scale!



23 Nm

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Technical characteristics and data

Vented MH Essential	Gel Sonnenschein MH	Gel Tensor MH				
EPzS cell type	EPzS cell type	TCSM cell type	Height h1 ¹ [mm] Height h2 ² [mm]	Length (l) [mm]	Cell weight ³ [kg]	Nominal capacity [Ah]
3 EPzS 270	3 EPzV 240	3 TCSV 300	462 / 492	65	16,9	300
4 EPzS 360	4 EPzV 320	4 TCSV 365	462 / 492	83	21,2	365
5 EPzS 450	5 EPzV 400	5 TCSV 490	462 / 492	101	28,2	490
6 EPzS 540	6 EPzV 480	6 TCSV 545	462 / 492	119	31,9	545
7 EPzS 630	7 EPzV 560	7 TCSV 625	462 / 492	137	36,0	625
8 EPzS 720	8 EPzV 640	8 TCSV 740	462 / 492	155	42,7	740
9 EPzS 810	9 EPzV 720	9 TCSV 825	462 / 492	173	47,2	825
10 EPzS 900	10 EPzV 800	10 TCSV 940	462 / 492	191	53,4	940
3 EPzS 375	3 EPzV 300	3 TCSV 380	553 / 583	65	20,6	380
4 EPzS 500	4 EPzV 400	4 TCSV 450	553 / 583	83	26,5	450
5 EPzS 625	5 EPzV 500	5 TCSV 610	553 / 583	101	33,7	610
6 EPzS 750	6 EPzV 600	6 TCSV 690	553 / 583	119	38,6	690
7 EPzS 875	7 EPzV 700	7 TCSV 765	553 / 583	137	43,5	765
8 EPzS 1000	8 EPzV 800	8 TCSV 950	553 / 583	155	52,0	950
9 EPzS 1125	9 EPzV 900	9 TCSV 1035	553 / 583	173	56,7	1035
10 EPzS 1250	10 EPzV 1000	10 TCSV 1195	553 / 583	191	65,3	1195
3 EPzS 465	3 EPzV 360	3 TCSV 450	672 / 702	65	25,1	450
4 EPzS 620	4 EPzV 480	4 TCSV 545	672 / 702	83	31,3	545
5 EPzS 775	5 EPzV 600	5 TCSV 750	672 / 702	101	40,7	750
6 EPzS 930	6 EPzV 720	6 TCSV 870	672 / 702	119	47,1	870
7 EPzS 1085	7 EPzV 840	7 TCSV 920	672 / 702	137	51,8	920
8 EPzS 1240	8 EPzV 960	8 TCSV 1130	672 / 702	155	63,0	1130
9 EPzS 1395	9 EPzV 1080	9 TCSV 1210	672 / 702	173	70,2	1210
10 EPzS 1550	10 EPzV 1200	10 TCSV 1540	672 / 702	191	79,0	1540

¹ over cell lid

² total height incl. connector and screw

³ filled and charged (tolerance +/-5%)