

Gel Sonnenschein Material Handling Ultimate

Technical data sheet

Technical features:

- Advanced maintenance-free battery with Gel technology
- 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 Gel 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



Gel technology



Proof against
deep discharge

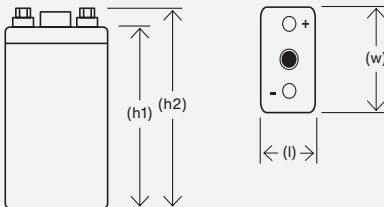


Maintenance-free
(no topping up)



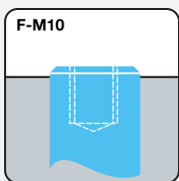
1250 cycles acc. to
DIN IEC 60254-1

Drawings, terminal and torque



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

Not to scale!



23 Nm / 203.6 lbf-in

Manufacturer: by /**MERICAS**
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63654 Büdingen, Germany

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Technical characteristics and data

Vented MH Essential	Gel Sonnenschein Material Handling Ultimate								
	EPzS cell type	TCSV cell type	Height h1 ¹ / h2 ²		Length (l)		Cell weight ³		Nominal capacity
			mm	in	mm	in	kg	lbs	
3 EPzS 270	3 TCSV 300	462 / 492	18.19 / 19.37	65	2.56	16.9	37.3	300	
4 EPzS 360	4 TCSV 365	462 / 492	18.19 / 19.37	83	3.27	21.2	46.7	365	
5 EPzS 450	5 TCSV 490	462 / 492	18.19 / 19.37	101	3.98	28.2	62.2	490	
6 EPzS 540	6 TCSV 545	462 / 492	18.19 / 19.37	119	4.69	31.9	70.3	545	
7 EPzS 630	7 TCSV 625	462 / 492	18.19 / 19.37	137	5.39	36.0	79.4	625	
8 EPzS 720	8 TCSV 740	462 / 492	18.19 / 19.37	155	6.10	42.7	94.1	740	
9 EPzS 810	9 TCSV 825	462 / 492	18.19 / 19.37	173	6.81	47.2	104.1	825	
10 EPzS 900	10 TCSV 940	462 / 492	18.19 / 19.37	191	7.52	53.4	117.7	940	
3 EPzS 375	3 TCSV 380	553 / 583	21.77 / 22.95	65	2.56	20.6	37.3	380	
4 EPzS 500	4 TCSV 450	553 / 583	21.77 / 22.95	83	3.27	26.5	46.7	450	
5 EPzS 625	5 TCSV 610	553 / 583	21.77 / 22.95	101	3.98	33.7	62.2	610	
6 EPzS 750	6 TCSV 690	553 / 583	21.77 / 22.95	119	4.69	38.6	70.3	690	
7 EPzS 875	7 TCSV 765	553 / 583	21.77 / 22.95	137	5.39	43.5	79.4	765	
8 EPzS 1000	8 TCSV 950	553 / 583	21.77 / 22.95	155	6.10	52.0	94.1	950	
9 EPzS 1125	9 TCSV 1035	553 / 583	21.77 / 22.95	173	6.81	56.7	104.1	1035	
10 EPzS 1250	10 TCSV 1195	553 / 583	21.77 / 22.95	191	7.52	65.3	117.7	1195	
3 EPzS 465	3 TCSV 450	672 / 702	26.46 / 27.64	65	2.56	25.1	37.3	450	
4 EPzS 620	4 TCSV 545	672 / 702	26.46 / 27.64	83	3.27	31.3	46.7	545	
5 EPzS 775	5 TCSV 750	672 / 702	26.46 / 27.64	101	3.98	40.7	62.2	750	
6 EPzS 930	6 TCSV 870	672 / 702	26.46 / 27.64	119	4.69	47.1	70.3	870	
7 EPzS 1085	7 TCSV 920	672 / 702	26.46 / 27.64	137	5.39	51.8	79.4	920	
8 EPzS 1240	8 TCSV 1130	672 / 702	26.46 / 27.64	155	6.10	63.0	94.1	1130	
9 EPzS 1395	9 TCSV 1210	672 / 702	26.46 / 27.64	173	6.81	70.2	104.1	1210	
10 EPzS 1550	10 TCSV 1540	672 / 702	26.46 / 27.64	191	7.52	79.0	117.7	1540	

¹ over cell lid

² total height incl. connector and screw

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

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