

# Vented Tensor Material Handling

## Technical data sheet

### Technical features:

- Advanced lead-acid battery technology with liquid electrolyte
- Optimized tubular plate technology and negative plate design in copper expanded metal technologies for high efficiency and long cycle life
- Extremely good charge acceptance for opportunity charge and fully charge in 4 hours
- Fully insulated, bolted terminals and connectors
- Fully recyclable
- Recommended options: automatic watering system, electrolyte level sensor, and air agitation system for extended lifetime

### 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:  
300-1680 Ah (DIN-cells)



Single cell



Tubular plate

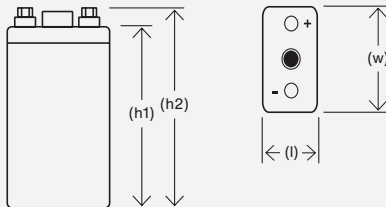


Recyclable



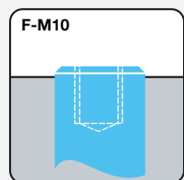
1500 cycles acc. to  
IEC 60254-1

### 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

Standard EPzS cell type	Cell Dimensions <sup>1</sup>		Tensor				
	Height h1 <sup>2</sup> [mm] Height h2 <sup>3</sup> [mm]	Length (l) [mm]	TCSM cell type	Cell weight <sup>4</sup> [kg]	Nominal capacity [Ah]	Energy content <sup>5</sup> [Wh]	Transshipment plus <sup>6</sup>
3 EPzS 270	463 / 493	65	585 TCSM	17.3	300	585	+20%
4 EPzS 360	463 / 493	83	730 TCSM	22.0	375	730	+13%
5 EPzS 450	463 / 493	101	1025 TCSM	27.0	525	1025	+27%
6 EPzS 540	463 / 493	119	1170 TCSM	31.0	600	1170	+20%
7 EPzS 630	463 / 493	137	1315 TCSM	36.1	675	1315	+16%
8 EPzS 720	463 / 493	155	1610 TCSM	41.0	825	1610	+24%
9 EPzS 810	463 / 493	173	1755 TCSM	45.6	900	1755	+20%
10 EPzS 900	463 / 493	191	2050 TCSM	50.3	1050	2050	+27%
3 EPzS 375	573 / 603	65	760 TCSM	20.1	390	760	+13%
4 EPzS 500	573 / 603	83	975 TCSM	25.0	500	975	+9%
5 EPzS 625	573 / 603	101	1285 TCSM	33.1	660	1285	+15%
6 EPzS 750	573 / 603	119	1520 TCSM	38.0	780	1520	+13%
7 EPzS 875	573 / 603	137	1715 TCSM	44.5	880	1715	+9%
8 EPzS 1000	573 / 603	155	2030 TCSM	50.7	1040	2030	+14%
9 EPzS 1125	573 / 603	173	2195 TCSM	56.9	1125	2195	+9%
10 EPzS 1250	573 / 603	191	2570 TCSM	63.0	1320	2570	+15%
3 EPzS 465	713 / 743	65	955 TCSM	25.5	495	955	+16%
4 EPzS 620	713 / 743	83	1235 TCSM	31.7	640	1235	+12%
5 EPzS 775	713 / 743	101	1620 TCSM	41.7	840	1620	+18%
6 EPzS 930	713 / 743	119	1910 TCSM	48.6	990	1910	+16%
7 EPzS 1085	713 / 743	137	2190 TCSM	53.6	1135	2190	+13%
8 EPzS 1240	713 / 743	155	2545 TCSM	63.6	1320	2545	+16%
9 EPzS 1395	713 / 743	173	2835 TCSM	71.3	1475	2835	+15%
10 EPzS 1550	713 / 743	191	3240 TCSM	79.9	1680	3240	+18%

<sup>1</sup> width (w) 198mm  
<sup>2</sup> over cell lid

<sup>3</sup> total height incl. connector and screw  
<sup>4</sup> filled and charged // tolerance +/-5%

<sup>5</sup> average discharge voltage 1.95 Vpc  
<sup>6</sup> according to the product-specific driving profile