

# Vented Material Handling Premium

## Technical data sheet

### Technical features:

- Robust lead-acid battery technology with liquid electrolyte
- Proven tubular plate technology for long cycle life
- Fully insulated, bolted terminals and connectors
- Fully recyclable
- Special low-antimony alloy for minimum maintenance and maximum reliability
- Reduced water loss due to optimized charging technology
- Extended watering intervals from 16 weeks (80 cycles)
- Long watering intervals throughout entire service life (no poisoning of negative plates)
- Recommended options: automatic watering system, electrolyte level sensor, and air agitation system for extended lifetime



Nominal capacity:  
120-1240 Ah (DIN-cells)  
110-800 Ah (BS-cells)



Single cell



Tubular plate



Recyclable



1500 cycles acc. to  
IEC 60254-1

### Standards & certifications:

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

### Technical characteristics and data (DIN-cells width 198 mm)

Type	Nominal capacity	Length	Height		Weight**
			(l)	(h1)	
60 Ah* B	Ah	max. mm	max. mm	max. mm	kg
			2 EPzS 120	120	
3 EPzS 180	180	65	333	363	12.0
4 EPzS 240	240	83	333	363	15.4
5 EPzS 300	300	101	333	363	19.0
6 EPzS 360	360	119	333	363	22.5
7 EPzS 420	420	137	333	363	26.0
8 EPzS 480	480	155	333	363	29.5

Type	Nominal capacity	Length	Height		Weight**
			(l)	(h1)	
80 Ah* C	Ah	max. mm	max. mm	max. mm	kg
			2 EPzS 160	160	
3 EPzS 240	240	65	396	426	14.2
4 EPzS 320	320	83	396	426	18.4
5 EPzS 400	400	101	396	426	22.6
6 EPzS 480	480	119	396	426	26.7
7 EPzS 560	560	137	396	426	31.3
8 EPzS 640	640	155	396	426	35.1

\* Capacity per positive plate Ah (C<sub>5</sub>) at 30 °C

\*\* Filled and charged cell weights +/- 5%

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### Technical characteristics and data (DIN-cells width 198 mm)

Type	Nominal capacity	Length	Height		Weight**
			(l) max. mm	(h1) max. mm	
90 Ah* D	Ah				kg
2 EPzS 180	180	47	463	493	11.9
3 EPzS 270	270	65	463	493	17.0
4 EPzS 360	360	83	463	493	22.1
5 EPzS 450	450	101	463	493	27.1
6 EPzS 540	540	119	463	493	32.2
7 EPzS 630	630	137	463	493	37.2
8 EPzS 720	720	155	463	493	42.3

Type	Nominal capacity	Length	Height		Weight**
			(l) max. mm	(h1) max. mm	
105 Ah* E	Ah				kg
2 EPzS 210	210	47	511	541	13.5
3 EPzS 315	315	65	511	541	19.1
4 EPzS 420	420	83	511	541	24.6
5 EPzS 525	525	101	511	541	30.5
6 EPzS 630	630	119	511	541	36.1
7 EPzS 735	735	137	511	541	41.8
8 EPzS 840	840	155	511	541	47.4

Type	Nominal capacity	Length	Height		Weight**
			(l) max. mm	(h1) max. mm	
115 Ah* F	Ah				kg
2 EPzS 230	230	47	542	572	14.2
3 EPzS 345	345	65	542	572	20.3
4 EPzS 460	460	83	542	572	26.4
5 EPzS 575	575	101	542	572	32.4
6 EPzS 690	690	119	542	572	39.0
7 EPzS 805	805	137	542	572	44.7
8 EPzS 920	920	155	542	572	50.6

Type	Nominal capacity	Length	Height		Weight**
			(l) max. mm	(h1) max. mm	
125 Ah* F	Ah				kg
2 EPzS 250	250	47	573	603	15.0
3 EPzS 375	375	65	573	603	21.2
4 EPzS 500	500	83	573	603	27.4
5 EPzS 625	625	101	573	603	33.9
6 EPzS 750	750	119	573	603	40.3
7 EPzS 875	875	137	573	603	46.5
8 EPzS 1000	1000	155	573	603	53.1

Type	Nominal capacity	Length	Height		Weight**
			(l) max. mm	(h1) max. mm	
140 Ah* G	Ah				kg
2 EPzS 280	280	47	683	713	17.5
3 EPzS 420	420	65	683	713	24.7
4 EPzS 560	560	83	683	713	31.8
5 EPzS 700	700	101	683	713	39.3
6 EPzS 840	840	119	683	713	46.7
7 EPzS 980	980	137	683	713	53.9
8 EPzS 1120	1120	155	683	713	61.3

Type	Nominal capacity	Length	Height		Weight**
			(l) max. mm	(h1) max. mm	
155 Ah* G	Ah				kg
2 EPzS 310	310	47	713	743	18.9
3 EPzS 465	465	65	713	743	26.7
4 EPzS 620	620	83	713	743	34.6
5 EPzS 775	775	101	713	743	42.6
6 EPzS 930	930	119	713	743	50.5
7 EPzS 1085	1085	137	713	743	58.5
8 EPzS 1240	1240	155	713	743	66.4

\* Capacity per positive plate Ah (C<sub>20</sub>) at 30 °C

\*\* Filled and charged cell weights +/- 5%

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### Technical characteristics and data (BS-cells width 160 mm)

Type	Nominal capacity	Length	Height		Weight**
			(l)	(h1)	
75 Ah*	Ah	max. mm	max. mm	max. mm	kg
2 EPzB 150***	150	46	515	548	10.3
3 EPzB 225***	225	62	515	548	14.2
4 EPzB 300	300	78	515	548	18.2
5 EPzB 375	375	94	515	548	22.2
6 EPzB 450	450	110	515	548	26.2
7 EPzB 525	525	126	515	548	30.2
8 EPzB 600	600	142	515	548	34.2

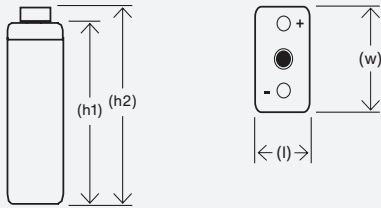
Type	Nominal capacity	Length	Height		Weight**
			(l)	(h1)	
100 Ah*	Ah	max. mm	max. mm	max. mm	kg
2 EPzB 200***	200	46	601	634	11.6
3 EPzB 300***	300	62	601	634	16.3
4 EPzB 400	400	78	601	634	21.0
5 EPzB 500	500	94	601	634	25.7
6 EPzB 600	600	110	601	634	30.4
7 EPzB 700	700	126	601	634	35.2
8 EPzB 800	800	142	601	634	40.2

\* Capacity per positive plate Ah ( $C_{20}$ ) at 30°C

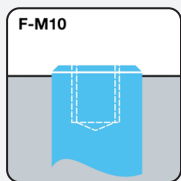
\*\* Filled and charged cell weights +/- 5%

\*\*\* Air agitation system and electrolyte level sensor are not available for these cells

### Drawings, terminal and torque



Not to scale!



23 Nm