

Gel Sonnenschein Material Handling

Technical data sheet

Technical features:

- Maintenance-free VRLA battery (valve regulated battery technology) with gel fixed electrolyte
- Maintenance-free (no topping up) during the whole life due to the Sonnenschein dryfit® technology
- No contamination or corrosion due to liquid electrolyte
- Very low self-discharge
- Batteries up to 48V and 15 kWh for light and medium applications 80 % depth of discharge possible*
- Intermediate recharge permissible
- Recharge possible in 10 hours**

Standards & certifications:

- Available in DIN- and BS-sizes according to IEC 60254-1



Nominal capacity:
110-720 Ah (DIN)
122-340 Ah (BS)



Single cell



Tubular plate



Recyclable



Valve regulated
lead-acid batteries



Proof against
deep discharge



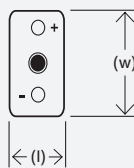
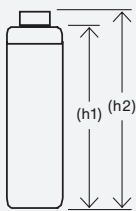
Maintenance-free
(no topping up)



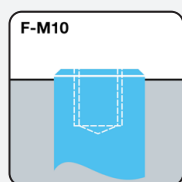
1200 cycles acc. to
DIN IEC 60254-1

* At a depth of discharge of more than 70%, the total number of cycles decreases
** Max. 60% depth of discharge, depending on the charging current

Drawings, terminal and torque



Not to scale!



23 Nm

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

Type	Capacity	Length	Height		Weight**
			(l)	(h1)	
55 Ah*	Ah (C ₅)	max. mm	max. mm	max. mm	kg
			2 EPzV 110	110	
3 EPzV 165	165	65	342	370	12.3
4 EPzV 220	220	83	342	370	15.9
5 EPzV 275	275	101	342	370	19.5
6 EPzV 330	330	119	342	370	23.0

80 Ah*	Ah (C ₅)	max. mm	(l)	(h1)	(h2)	kg
			max. mm	max. mm	max. mm	
2 EPzV 160	160	47	462	490	12.1	
3 EPzV 240	240	65	462	490	17.1	
4 EPzV 320	320	83	462	490	22.1	
5 EPzV 400	400	101	462	490	27.1	
6 EPzV 480	480	119	462	490	32.1	

120 Ah*	Ah (C ₅)	max. mm	(l)	(h1)	(h2)	kg
			max. mm	max. mm	max. mm	
2 EPzV 240	240	47	672	704	17.4	
3 EPzV 360	360	65	672	704	25.1	
4 EPzV 480	480	83	672	704	32.9	
5 EPzV 600	600	101	672	704	40.6	
6 EPzV 720	720	119	672	704	48.3	

Type	Capacity	Length	Height		Weight**
			(l)	(h1)	
70 Ah*	Ah (C ₅)	max. mm	max. mm	max. mm	kg
			2 EPzV 140	140	
3 EPzV 210	210	65	402	430	14.4
4 EPzV 280	280	83	402	430	18.7
5 EPzV 350	350	101	402	430	23.0
6 EPzV 420	420	119	402	430	27.2

100 Ah*	Ah (C ₅)	max. mm	(l)	(h1)	(h2)	kg
			max. mm	max. mm	max. mm	
2 EPzV 200	200	47	553	585	14.7	
3 EPzV 300	300	65	553	585	20.7	
4 EPzV 400	400	83	553	585	26.8	
5 EPzV 500	500	101	553	585	32.9	
6 EPzV 600	600	119	553	585	39.0	

Technical characteristics and data (BS-cells width 158 mm)

Type	Capacity	Length	Height		Weight**
			(l)	(h1)	
61 Ah*	Ah (C ₅)	max. mm	max. mm	max. mm	kg
			2 EPzV-BS 122	122	
3 EPzV-BS 183	183	62	456	484	13.0
4 EPzV-BS 244	244	78	456	484	16.6

85 Ah*	Ah (C ₅)	max. mm	(l)	(h1)	(h2)	kg
			max. mm	max. mm	max. mm	
2 EPzV-BS 170	170	46	611	639	12.8	
3 EPzV-BS 255	255	62	611	639	17.8	
4 EPzV-BS 340	340	78	611	639	22.9	

Type	Capacity	Length	Height		Weight**
			(l)	(h1)	
71 Ah*	Ah (C ₅)	max. mm	max. mm	max. mm	kg
			2 EPzV-BS 142	142	
3 EPzV-BS 213	213	62	516	544	14.9
4 EPzV-BS 284	284	78	516	544	19.1

* Capacity per positive plate Ah (C₅) at 30 °C

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