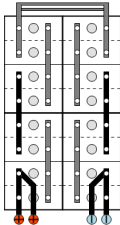


SBM 335 - Cell data sheet

Classification

Brand	Saft	Wiring principle	Normal
Cell type	SBM 335		
Cell P/N	311309172		
Capacity at 5 hours rate	335 Ah		
IEC Designation	KM335P		
According to IEC 60623			

Physical data

Overall height	411 mm		
Cell height	406 mm		
Width	195 mm	Weight per cell	17,6 Kg
Block length - 2 cells	253 mm	Block length - 3 cells	373 mm

Construction

Container material	Polypropylene	No. of terminals/polarity	2
Separator type	Grid	Terminal material	Steel
Connection torque	30,0 +/- 3,0 Nm	Vent type	Flip top, flame arresting vent
Terminal size	M10 SW 16 mm	Handle	Yes

Plates

Positive		Negative	
Type of plates	Pocket	Type of plates	Pocket

Electrolyte

Electrolyte type: Renewal	E13	Max/Min	50 mm
Electrolyte type: Initial	E22	Vent oil quantity	50 cm3
Electrolyte per cell: Liquid	4,2 liters		

Connection

Cable area of internal connection cables	95 mm²	End-lug (and external cable)	95 mm²
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SBM 335 - Cell data sheet

Charging

Float voltage	1,4 V/Cell	High rate voltage (recommended)	1,45 V/Cell
Single-level voltage	1,43 V/Cell		

Resistance/Short circuit

Internal resistance	0,26 mOhm	Short circuit current	5263 A
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Performance data

Current discharge

After prolonged float charge of fully charged cells. Available amperes at +20°C +/- 5°C (+68°F +/- 9°F)

V/Cell	10h	8h	5h	3h	2h	1,5h	1h	30m	20m	15m	10m	5m	1m	30s	5s	1s
1	34,1	42,2	67,0	109	160	199	281	382	443	479	546	643	868	969	1.157	1.224
1,05	33,8	41,9	66,4	108	150	192	253	324	382	416	455	527	737	829	977	1.052
1,1	33,2	41,3	65,2	101	140	170	206	258	314	326	372	446	622	694	818	869
1,14	32,3	40,1	63,1	95,1	123	141	166	202	231	251	288	359	502	556	643	662
1,16	31,4	38,5	58,1	88,1	103	112	138	173	198	207	231	287	421	469	527	561

Power discharge

Available power (W), after prolonged float charged of fully charged cells at +20°C +/- 5°C (+68°F +/- 9°F)

V/Cell	10h	8h	5h	3h	2h	1,5h	1h	30m	20m	15m	10m	5m	1m	30s	5s	1s
1	40,6	49,8	78,2	122	170	209	290	388	447	482	548	643	868	969	1.157	1.224
1,05	40,3	49,6	77,8	121	165	208	272	343	403	438	478	553	774	870	1.026	1.105
1,1	39,6	49,0	76,7	116	158	190	230	285	346	359	410	491	684	763	901	957
1,14	38,6	47,6	74,4	111	142	163	191	231	264	286	328	409	572	634	733	755
1,16	37,6	45,8	68,6	103	120	130	161	201	230	240	268	332	488	544	612	650

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SBM 335 - Cell data sheet

Kt Factor

Current discharge

After prolonged float charge of fully charged cells. Kt factor at +20°C +/- 5°C (+68°F +/- 9°F)

V/Cell	10h	8h	5h	3h	2h	1,5h	1h	30m	20m	15m	10m	5m	1m	30s	5s	1s
1	9,8	7,94	5,00	3,06	2,09	1,68	1,19	0,88	0,76	0,70	0,61	0,52	0,39	0,35	0,29	0,27
1,05	9,9	8,00	5,05	3,09	2,23	1,74	1,32	1,03	0,88	0,81	0,74	0,64	0,45	0,40	0,34	0,32
1,1	10,1	8,12	5,14	3,31	2,39	1,98	1,62	1,30	1,07	1,03	0,90	0,75	0,54	0,48	0,41	0,39
1,14	10,4	8,36	5,31	3,52	2,73	2,37	2,02	1,66	1,45	1,34	1,16	0,93	0,67	0,60	0,52	0,51
1,16	10,7	8,70	5,77	3,80	3,25	3,00	2,42	1,94	1,69	1,62	1,45	1,17	0,80	0,71	0,64	0,60

Power discharge

Kt factor power, after prolonged float charged of fully charged cells at +20°C +/- 5°C (+68°F +/- 9°F)

V/Cell	10h	8h	5h	3h	2h	1,5h	1h	30m	20m	15m	10m	5m	1m	30s	5s	1s
1	8,24	6,72	4,28	2,74	1,96	1,60	1,16	0,86	0,75	0,70	0,61	0,52	0,39	0,35	0,29	0,27
1,05	8,31	6,75	4,31	2,76	2,03	1,61	1,23	0,98	0,83	0,76	0,70	0,61	0,43	0,38	0,33	0,30
1,1	8,45	6,84	4,37	2,89	2,11	1,76	1,46	1,17	0,97	0,93	0,82	0,68	0,49	0,44	0,37	0,35
1,14	8,68	7,03	4,50	3,03	2,36	2,06	1,76	1,45	1,27	1,17	1,02	0,82	0,59	0,53	0,46	0,44
1,16	8,92	7,31	4,88	3,24	2,78	2,57	2,08	1,67	1,46	1,40	1,25	1,01	0,69	0,62	0,55	0,52