

SBM 369 - Cell data sheet

Classification

Brand	Saft	Wiring principle	Normal
Cell type	SBM 369		
Cell P/N	310048971		
Capacity at 5 hours rate	369 Ah		
IEC Designation	KM369P		
According to IEC 60623			

Physical data

Overall height	411 mm		
Cell height	406 mm		
Width	195 mm	Weight per cell	20.4 Kg
Block length - 2 cells	305 mm	Block length - 3 cells	451 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	Flame arresting vent (large)
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 cm ³
Electrolyte per cell: Liquid	4.8 liters		

Connection

Cable area of internal connection cables	95 mm ²	End-lug (and external cable)	95 mm ²
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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	0.23 mOhm	Short circuit current	5797 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	37.6	46.4	73.8	121	176	219	310	421	488	527	602	709	956	1,067	1,274	1,348
1.05	37.2	46.1	73.1	119	166	212	279	357	420	458	501	580	812	913	1,076	1,159
1.1	36.6	45.5	71.8	111	154	187	227	284	345	359	410	492	685	764	902	958
1.14	35.6	44.2	69.5	105	135	156	183	223	255	276	317	395	553	612	708	730
1.16	34.6	42.4	64.0	97.0	114	123	152	190	218	228	254	316	464	516	581	618

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	44.8	54.9	86.1	135	188	230	319	427	492	530	603	709	956	1,067	1,274	1,348
1.05	44.4	54.6	85.7	133	182	230	299	378	444	483	527	610	853	959	1,130	1,217
1.1	43.7	54.0	84.5	128	175	210	253	314	381	396	452	541	754	841	992	1,054
1.14	42.5	52.5	82.0	122	156	179	210	254	291	315	361	451	630	698	807	832
1.16	41.4	50.5	75.6	114	133	144	177	221	253	264	295	366	538	599	674	716



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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

