

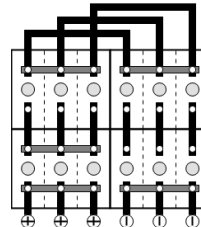
# SBLE 600 - Cell data sheet

## Classification

Brand	Saft
Cell type	SBLE 600
Cell P/N	310547471
Capacity at 5 hours rate	600 Ah
IEC Designation	KL600P
According to IEC 60623	



Wiring principle



Crosswise

## Physical data

Overall height	410 mm		
Cell height			
Width	195 mm	Weight per cell	26,1 Kg
Length	206 mm	Block length - 2 cells	-
Block length - 3 cells	-	Block length - 4 cells	-
Block length - 5 cells	-	Block length - 6 cells	-
Block length - 7 cells	-	Block length - 8 cells	-
Block length - 9 cells	-	Block length - 10 cells	-

## Construction

Container material	Polypropylene	No. of terminals/polarity	3
Separator type	Grid	Terminal material	Steel
Connection torque	30,0 +/- 3,0 Nm	Vent type	flame arresting vent (large)
Terminal size	M10	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	
Electrolyte per cell: Liquid	6,8 liters		

## Connection

Cable area of internal connection cables	70 mm <sup>2</sup>	End-lug (and external cable)	70 mm <sup>2</sup>
--	--------------------	------------------------------	--------------------

SAFT confidential and proprietary. The data herein given are for information purposes only and are not binding on SAFT. They may be modified without prior notice. Please contact a SAFT representative in order to obtain confirmation of the above data.

Visit our website at [www.saftbatteries.com](http://www.saftbatteries.com)

(374669) Version: 2.7, Last updated on 02/2019

# SBLE 600 - Cell data sheet

## Charging

---

Float voltage	1,42 V/Cell	High rate voltage (min)	1,47 V/Cell
Single-level voltage	1,43 V/Cell		

## Resistance/Short circuit

---

Internal resistance	0,28 mOhm	Short circuit current	4991 A
---------------------	-----------	-----------------------	--------

## 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
<b>1</b>	61,8	76,4	120	192	256	308	395	510	571	614	660	757	840	900	1 080	1 161
<b>1,05</b>	61,3	76,2	119	186	232	265	331	431	476	494	549	626	676	738	887	963
<b>1,1</b>	60,0	73,6	113	157	197	226	267	336	363	398	438	460	550	600	730	801
<b>1,14</b>	58,7	69,1	99,4	136	163	180	208	266	284	295	332	386	449	490	610	676
<b>1,16</b>	55,1	63,1	86,0	116	139	150	170	223	249	269	294	352	409	447	557	616

### 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
<b>1</b>	71,6	87,3	134	205	268	319	404	515	575	616	661	757	840	900	1 080	1 161
<b>1,05</b>	71,4	87,8	135	205	252	285	352	456	502	520	577	658	709	775	931	1 011
<b>1,1</b>	70,1	85,6	130	177	220	253	297	371	400	438	482	506	606	660	804	881
<b>1,14</b>	68,9	81,0	116	157	187	207	238	303	325	337	379	440	512	559	696	770
<b>1,16</b>	64,7	74,2	101	136	162	175	198	259	288	312	341	409	475	519	646	715

# SBLE 600 - 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	9,7	7,85	5,00	3,12	2,34	1,95	1,52	1,18	1,05	0,98	0,91	0,79	0,71	0,67	0,56	0,52
1,05	9,8	7,88	5,05	3,23	2,58	2,26	1,81	1,39	1,26	1,21	1,09	0,96	0,89	0,81	0,68	0,62
1,1	10,0	8,16	5,31	3,83	3,05	2,65	2,25	1,79	1,66	1,51	1,37	1,31	1,09	1,00	0,82	0,75
1,14	10,2	8,68	6,04	4,42	3,69	3,33	2,89	2,26	2,11	2,03	1,81	1,55	1,34	1,22	0,98	0,89
1,16	10,9	9,5	6,98	5,15	4,32	3,99	3,52	2,69	2,41	2,23	2,04	1,70	1,47	1,34	1,08	0,97

### 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	8,38	6,87	4,47	2,92	2,24	1,88	1,49	1,17	1,04	0,97	0,91	0,79	0,71	0,67	0,56	0,52
1,05	8,41	6,83	4,45	2,93	2,38	2,11	1,70	1,32	1,19	1,15	1,04	0,91	0,85	0,77	0,64	0,59
1,1	8,55	7,01	4,60	3,39	2,72	2,37	2,02	1,62	1,50	1,37	1,24	1,19	0,99	0,91	0,75	0,68
1,14	8,71	7,41	5,17	3,82	3,20	2,90	2,52	1,98	1,85	1,78	1,58	1,36	1,17	1,07	0,86	0,78
1,16	9,27	8,09	5,94	4,41	3,71	3,43	3,03	2,31	2,08	1,93	1,76	1,47	1,26	1,16	0,93	0,84