

Primary lithium batteries

Li-SO₂ range



Li-SO₂ cells

Production site	Size	Open circuit voltage	Nominal voltage	Nominal capacity (drain) (2.0 V cut-off)	Maximum recommended continuous current	Operating temperature range	Outside diameter max.	Height max.	Weight	UL recognition	Transport status
-----------------	------	----------------------	-----------------	--	--	-----------------------------	-----------------------	-------------	--------	----------------	------------------

G/LO spiral cells

G 04/3	UK	1/2 AA	3.0 V	2.8 V	0.45 Ah (50 mA)	0.25 A	-60/+70°C*	14.2 mm	27.9 mm	8 g	—	Non-restricted
G 06/2	UK	AA	3.0 V	2.8 V	0.95 Ah (80 mA)	0.5 A	-60/+70°C*	14.2 mm	50.3 mm	15 g	—	Non-restricted
G 32/3	UK	2/3 A	3.0 V	2.8 V	0.8 Ah (80 mA)	0.75 A	-60/+70°C*	16.3 mm	34.5 mm	12 g	—	Non-restricted
G 36/2	UK	"long" A	3.0 V	2.8 V	1.7 Ah (80 mA)	1.5 A	-60/+70°C*	16.3 mm	57.7 mm	18 g	—	Non-restricted
LO 34 SX	USA	1/3 C	3.0 V	2.8 V	0.86 Ah (80 mA)	1.0 A	-60/+70°C*	25.9 mm	20.3 mm	18 g	yes	Non-restricted
LO 35 SX	USA	2/3 C	3.0 V	2.8 V	2.2 Ah (650 mA)	2.0 A	-60/+70°C*	25.9 mm	35.9 mm	30 g	yes	Non-restricted
G 52/3	UK	C	3.0 V	2.8 V	3.2 Ah (1.0 A)	2.5 A	-60/+70°C*	25.6 mm	49.5 mm	47 g	—	Class 9
LO 29 SHX	USA	C	3.0 V	2.8 V	3.75 Ah (0.25 A)	2.5 A	-60/+70°C*	25.6 mm	50.4 mm	40 g	yes	Class 9
G 54/3	UK	5/4 C	3.0 V	2.8 V	5.0 Ah (0.2 A)	2.5 A	-60/+70°C*	25.6 mm	60.2 mm	58 g	—	Class 9
LO 43 SHX	USA	5/4 C	3.0 V	2.8 V	5.0 Ah (0.2 A)	2.5 A	-60/+70°C*	26.0 mm	59.2 mm	53 g	yes	Class 9
LO 40 SX	USA	2/3 "Thin" D	3.0 V	2.8 V	3.5 Ah (0.12 A)	2.0 A	-60/+70°C*	29.1 mm	41.6 mm	40 g	yes	Class 9
LO 30 SHX	USA	"Thin" D	3.0 V	2.8 V	5.75 Ah (0.2 A)	3.0 A	-60/+70°C*	29.1 mm	59.9 mm	63 g	yes	Class 9
G 26	UK	D	3.0 V	2.8 V	7.75 Ah (0.25 A)	2.5 A	-60/+70°C*	34.5 mm	59.8 mm	85 g	—	Class 9
LO 26 SX	USA	D	3.0 V	2.8 V	7.75 Ah (0.25 A)	2.5 A	-60/+70°C*	34.2 mm	59.3 mm	85 g	yes	Class 9
LO 26 SXC	USA	D	3.0 V	2.8 V	9.2 Ah (0.25 A)	2.5 A	-60/+70°C*	34.2 mm	59.3 mm	85 g	—	Class 9
LO 26 SHX	USA	D	3.0 V	2.8 V	7.5 Ah (1.0 A)	4.0 A	-60/+70°C*	34.2 mm	59.3 mm	85 g	yes	Class 9
LO 25 SX	USA	"Fat" D	3.0 V	2.8 V	8.0 Ah (0.27 A)	2.5 A	-60/+70°C*	39.5 mm	50.3 mm	96 g	yes	Class 9
LO 39 SHX	USA	F	3.0 V	2.8 V	11.0 Ah (0.3 A)	3.0 A	-60/+70°C*	30.7 mm	99.4 mm	125 g	yes	Class 9
G 22/6	UK	DD	3.0 V	2.8 V	16.5 Ah (0.5 A)	3.0 A	-60/+70°C*	33.3 mm	120.6 mm	175 g	—	Class 9
G 62/1	UK	"Long Fat DD"	3.0 V	2.8 V	34.0 Ah (1.0 A)	3.0 A	-60/+70°C*	41.7 mm	141.0 mm	300 g	—	Class 9

* Cells leakproof up to +85°C

Primary cells and batteries are not rechargeable.

Their internal impedance may increase versus time, especially in case of exposure at elevated temperature.



saft

Li-SO₂ Military battery packs

Cell type construction *	Open circuit voltage	Nominal voltage	Voltage cut-off	Rated capacity	Maximum dimensions	Typical weight	NATO Stock Number (NSN)	Typical applications
BA 5112A/U 4s1p LO 35 SX	12.0 V	11.2 V	8.0 V	2.3 Ah	77.8 x 57.2 x 39.1 mm	180 g	6135-01-235-4168	Radiocommunication (PRC 112)
BA 5557A/U 5s2p LO 35 SX	15.0 V/ 30.0 V	14.0 V/ 28.0 V	10.0 V/ 20.0 V	4.4 Ah/2.2 Ah	100.1 x 106.3 x 37.3 mm	500 g	6135-01-088-2707	Radiocommunication
BA 5567A/U 1s1p LO 34 SX	3.0 V	2.8 V	2.0 V	1.0 Ah	25.9 x 19.9 mm	16 g	6135-01-090-5363	Night vision
BA 5588A/U 5s1p LO 40 SX	15.0 V	13.5 V	11.0 V	3.5 Ah	96 x 90 x 31 mm	295 g	6135-00-088-2708	Radiocommunication (AN/PRC 128)
BA 5590A/U 5s2p LO 26 SX	15.0 V 30.0 V	13.5 V 27.0 V	10.0 V 20.0 V	15.0 Ah 7.5 Ah	127 x 111.8 x 62.2 mm	1020 g	6135-01-523-3037	Radiocommunication (with SOCI**)
BA 5590B/U (2 sets of terminals) 5s2p LO 26 SX	15.0 V 30.0 V	13.5 V 27.0 V	10.0 V 20.0 V	15.0 Ah 7.5 Ah	127 x 111.8 x 62.2 mm	1020 g	6135-01-036-3495	Radiocommunication (AN/PRC 104/119)
BA 5590HC 5s2p LO 26 SXC	15.0 V 30.0 V	13.5 V 27.0 V	10.0 V 20.0 V	18.2 Ah 9.1 Ah	127 x 111.8 x 62 mm	1020 g	TBD	Radiocommunication (AN/PRC 104/113/117/119)
BA 5598A/U 5s1p LO 25 SX	15.0 V	13.5 V	10.0 V	7.5 Ah	120.7 x 92 x 54 mm	680 g	6135-01-034-2239	Radiocommunication (PRC 25/74/77)
BA 5599A/U 3s1p LO 26 SX	9.0 V	8.1 V	6.0 V	7.5 Ah	152 x 38 x 64 mm	450 g	6135-01-069-8575	Radio tester
BA 5600A/U 3s1p LO 26 SX	9.0 V	8.1 V	6.0 V	7.5 Ah	185.9 x 39.4 mm	360 g	6135-01-168-2944	Communication terminal AN/PSC 2/cap
BT 5790 5s1p LO 26 SX	15.0 V	14.0 V	10.0 V	7.5 Ah	186.5 x 35.7 x 66.7 mm	630 g	N/A	Radiocommunication
BT 5791 5s2p LO 26 SX	15.0 V	14.0 V	10.0 V	15.0 Ah	186.5 x 70.0 x 65.3 mm	1200 g	N/A	Radiocommunication
BA 5800A/U 2s1p LO 26 SX	6.0 V	5.3 V	4.0 V	7.5 Ah	128.5 x 35.5 mm	220 g	6135-99-798-9851	Compact Air Supply Unit (CASU), GPS
BA 5847B/U 2s1p LO 26 SX	6.0 V	5.3 V	4.0 V	7.5 Ah	95 x 64.8 x 38 mm	220 g	6135-01-090-5364	Radiocommunication Mine detector
BT 5313 9s1p LO 26 SHX	27.0 V	25.2 V	18.0 V	7.2 Ah	Special	1100 g	N/A	Missile launcher
Li/3 3s1p LO 26 SX	9.0 V	8.4 V	6.0 V	7.5 Ah	110 x 42 x 26.2 mm	450 g	6135-14-383-9768	Missile launcher
G6-104 (/C,D,E,F,G,H) 2s1p G20	6.0 V	5.6 V	4.0 V	7.5 Ah	128.5 x 35.5 mm	200 g	-	CAM
G6-105 2s1p G52	6.0 V	5.6 V	4.0 V	3.2 Ah	55 x 28.1 x 56 mm	110 g	6135-99-658-9085	Aircraft probe
G9-124 3s1p G20	9.0 V	8.4 V	6.0 V	7.5 Ah	110 x 42 x 83 mm	370 g	6135-14-383-9768	Missile
G15-114 5s2p G06	15.0 V	14.0 V	9.6 V	1.9 Ah	90.6 x 40.3 x 71 mm	270 g	6135-99-795-4351	Radiocommunication
G15-127 2 x 5s1p G62	2x15.0 V	2x14.0 V	2x10.0 V	34 or 68 Ah	216 x 152 x 92 mm	3500 g	6135-99-794-2896	-
G18-115 6s1p G20	18.0 V	16.8 V	12.0 V	7.5 Ah	131.6 x 66.8 x 128 mm	850 g	6135-99-795-4350	Radiocommunication
G30-101 10s1p G20	30.0 V	28.0 V	20.0 V	7.5 Ah	184.5 x 73.5 x 80 mm	1500 g	6135-99-747-4430	Radiocommunication
G30-102/B 10s1p G22	30.0 V	28.0 V	20.0 V	16.0 Ah	184 x 72.5 x 133 mm	2500 g	6135-99-840-0109	Radiocommunication
XSG 1493/1 5s1p G32	15.0 V	14.0 V	10.0 V	0.85 Ah	78.5 x 37.2 x 40 mm	170 g	-	Personal locator beacon

* Xs Yp = Y parallel branches of X cells in series per branch

** SOCI: State of Charge Indicator

Primary cells and batteries are not rechargeable.

This data sheet is an insert part of the Primary lithium batteries Selector guide (ref 31048-2), where complementary information and data on features, safety and storage can be found.

Saft

Specialty Battery Group

12, rue Sadi Carnot
93170 Bagnolet – France
Tel.: +33 (0)1 49 93 19 18
Fax: +33 (0)1 49 93 19 69

www.saftbatteries.com

Doc N° 31050-2-0508

Edition: May 2008

Data in this document is subject to change without notice and becomes contractual only after written confirmation. Single cells mentioned in this document may have their own specific data sheet with complementary data. Please check website.

Published by the Communications Department.

Photo credit: Saft.

Société anonyme au capital de 31 944 000 €

RCS Bobigny B 383 703 873

Produced by Arthur Associates Limited.



saft