

Primary lithium batteries

Li-SOCl₂ range



Li-SOCl₂ 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.	Typical weight	UL recognition	Transport status
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Small LS/LST/LSX cells

LS 14250	F	1/2 AA	3.67 V	3.6 V	1.2 Ah (1 mA)	35 mA	-60/+ 85°C*	14.65 mm	24.8 mm	8.9 g	yes	Non-restricted
LST 14250	UK	1/2 AA	3.67 V	3.6 V	1.2 Ah (1 mA)	35 mA	-60/+ 85°C*	14.20 mm	25.15 mm	8.8 g	yes	Non-restricted
LS 14250C	F	1/2 AA	3.67 V	3.6 V	1.2 Ah (1 mA)	15 mA	-60/+ 70°C*	14.65 mm	24.8 mm	8.9 g	yes	Non-restricted
LS 14250W	F	1/2 AA	3.67 V	3.6 V	1.2 Ah (1 mA)	35 mA	-60/+ 95°C*	14.65 mm	24.8 mm	8.9 g	—	Non-restricted
LS 14500	F	AA	3.67 V	3.6 V	2.6 Ah (2 mA)	70 mA	-60/+ 85°C*	14.65 mm	50.3 mm	16.7 g	yes	Non-restricted
LST 14500	UK	AA	3.67 V	3.6 V	2.45 Ah (2 mA)	70 mA	-60/+ 85°C*	14.20 mm	49.85 mm	16.3 g	yes	Non-restricted
LS 14500C	F	AA	3.67 V	3.6 V	2.7 Ah (2 mA)	25 mA	-60/+ 70°C*	14.65 mm	50.3 mm	16.2 g	yes	Non-restricted
LS 14500W	F	AA	3.67 V	3.6 V	2.6 Ah (1 mA)	60 mA	-60/+ 95°C*	14.65 mm	50.3 mm	16.2 g	yes	Non-restricted
LSX 14500	F	AA	3.67 V	3.6 V	2.1 Ah (1 mA)	150 mA	-60/+ 85°C*	14.65 mm	50.3 mm	17.5 g	yes	Non-restricted
LST 17330	UK	2/3 A	3.67 V	3.6 V	2.1 Ah (3 mA)	25 mA	-60/+ 85°C*	16.50 mm	33.4 mm	14.4 g	yes	Non-restricted
LS 17500	F	A	3.67 V	3.6 V	3.6 Ah (3 mA)	130 mA	-60/+ 85°C*	17.00 mm	50.9 mm	21.9 g	yes	Non-restricted

*Cells leakproof up to +130°C

Large LS cells

LS 26500	F	C	3.67 V	3.6 V	7.7 Ah (4 mA)	150 mA	-60/+ 85°C*	26.00 mm	49.1 to 50.4 mm***	48 g	yes	Class 9
LS 33600**	F	D	3.67 V	3.6 V	17.0 Ah (5 mA)	250 mA	-60/+ 85°C*	33.40 mm	60.2 to 61.6 mm***	90 g	yes	Class 9
LS 33600C**	F	D	3.67 V	3.6 V	18.5 Ah (1 mA)	80 mA	-60/+ 70°C*	33.40 mm	60.2 to 61.6 mm***	90 g	yes	Class 9

*Cells leakproof up to +120°C

**Low Magnetic cell versions available

*** Depending on cell finish

LSH spiral cells

LSH 26180	F	1/3 C	3.67 V	3.6 V	1.2 Ah (10 mA)	0.4 A	-60/+ 85°C*	26.20 mm	18.6 mm	24 g	—	Non-restricted
LSH 14	F	C	3.67 V	3.6 V	5.8 Ah (15 mA)	1.3 A	-60/+ 85°C*	26.00 mm	50.4 mm	51 g	yes	Class 9
LSH 14 "light"	F	C	3.67 V	3.6 V	3.6 Ah (15 mA)	1.3 A	-60/+ 85°C*	26.00 mm	50.4 mm	51 g	—	Non-restricted
LSH 20**	F	D	3.67 V	3.6 V	13.0 Ah (15 mA)	1.8 A	-60/+ 85°C*	33.40 mm	61.6 mm	100 g	yes	Class 9
LSH 20-150	F	D	3.67 V	3.6 V	14.0 Ah (100 mA)	300 mA	-20/+ 150°C	32.05 mm	61.7 mm	100 g	—	Class 9

* Cells leakproof up to +120°C

**High Temperature (120°C max) LSH 20 HTS cell version available

All LSH cells are fitted with individual 5 Amp fuse protection

Primary cells and batteries are not rechargeable.

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



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Li-SOCl₂ Military battery packs

	Cell type construction *	Open circuit voltage	Nominal voltage	Voltage cut-off	Rated capacity	Maximum dimensions	Typical weight	Safety features	NATO Stock Number (NSN)	Typical applications
PS 31 A	1s1p LSH 26180	3.67 V	3.6 V	2.0 V	1.2 Ah	26.2 x 18.9 mm	25 g	5 A fuse	6135-14-376-4875	Night vision
PS 38 A	5s1p LSH 26180	18.3 V	17.5 V	10.0 V	1.2 Ah	110.7 x 37 mm	155 g	5 A fuse	6135-14-389-9050	Laser telemetry
PS 40 A	4s1p LSH 14	14.7 V	14.0 V	10.0 V	4.6 Ah	108 x 65 x 49 mm	285 g	PTC 1.1 A**	6135-14-420-1760	Radiocommunication (TRPP 11/13)
PS 42 A	2s1p LSH 20	7.3 V	7.0 V	5.0 V	9.0 Ah	69.9 x 67.2 x 34 mm	230 g	PTC 3.5 A**	6135-14-434-0766	Radiocommunication (TRPP 39)
PS 48 B	5s2p LSH 20	18.3 V	17.5 V	12.6 V	18.0 Ah	212.4 x 72.7 x 68.5 mm	1150 g	PTC 1.85 A**	6135-14-451-7198	Radiocommunication (TRC 350)
PS 52 A	2s1p LSH 20	7.3 V	7.2 V	5.0 V	12.5 Ah	77.5 x 63.5 x 34.6 mm	225 g	PTC 2.0 A**	6135-14-459-9265	Radiocommunication (Portable PR4G)
PS 53 B	6s1p LSH 20	22.0 V	21.0 V	15.0 V	12.5 Ah	210.5 x 68.5 x 37.5 mm	720 g	PTC 2.5 A**	6135-14-459-9266	Radiocommunication (Portable PR4G)

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

** Maximum hold current

Li-SOCl₂ Civil battery packs

	Cell type construction *	Open circuit voltage	Nominal voltage	Rated capacity	Maximum dimensions	Typical weight	Typical applications
LS 14250 MLB	1s1p LS 14250	3.67 V	3.6 V	1.2 Ah	16.8 x 28.6 mm	15 g	Metering, professional electronics
LS 9V	3s1p LS 14250	11.0 V	9.0 V	1.2 Ah	49.1 x 46.8 x 26.8 mm	29 g	Memory back-up, metering, smoke detectors, professional electronics
Lithopack	2s1p LS 14500	7.3 V	7.2 V	2.6 Ah	56.6 x 31.6 x 17.3 mm	34 g	Memory back-up, metering, professional electronics

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.

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