

Li-SO₂ product range

High power, excellent functionality in cold environments

Lithium-sulfur dioxide (Li-SO₂) batteries from Saft

- Operating voltage: 3V
- Operating temperature: -40°C to +70°C
- Spiral construction
- Non-flammable electrolyte
- Superior pulse capacity
- Excellent capacity above 1A
- Superior power at -40°C
- Wide acceptance for military use
- Well controlled passivation
- Low self-discharge during storage

LO/G spiral cells are designed for applications featuring continuous currents in the 0.1-5 A range, with superimposed pulses as high as 20 A.

	POWER						HIGH POWER				
	LO 34 SX	LO 35 SX	LO 40 SX	LO 26 SX	LO 26 SXC	LO 25 SX	LO 29 SHX	LO 30 SHX	LO 26 SHX	LO 43 SHX	LO 39 SHX
Cell size	1/3 C	2/3 C	2/3 thin D	D	D	Fat D	C	Thin D	D	5/4 D	F
Cell construction	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral
Nominal voltage	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V
Nominal capacity	1.0 Ah	2.2 Ah	3.5 Ah	7.75 Ah	9.2 Ah	8.0 Ah	3.75 Ah	5.75 Ah	7.5 Ah	5.0 Ah	11.5 Ah
Max. continuous current	0.5 A	2.0 A	2.0 A	2.5 A	2.5 A	2.5 A	2.5 A	3.0 A	4.0 A	2.5 A	3.0 A
Max. pulse discharge rate	1.0 A	5.0 A	5.0 A	5.0 A	10.0 A	10.0 A	6.0 A	10.0 A	15.0 A	10.0 A	60.0 A
Max. outside diameter	25.6 mm	25.9 mm	28.95 mm	34.2 mm	34.2 mm	39.5 mm	25.6 mm	29.1 mm	34.2 mm	26.0 mm	31.9 mm
Max. height	20.45mm	35.9 mm	42.29 mm	59.3 mm	59.3 mm	50.3 mm	50.4 mm	59.9 mm	59.3 mm	59.2 mm	100.3 mm
Typical weight	16 g	30 g	40 g	85 g	85 g	96 g	40 g	63 g	85 g	53 g	125 g
Operating temperature range	-40 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C

Typical values relative to cells stored for one year or less at +30°C max ; Performances vary according to discharge characteristics (current, duration, frequency), temperature conditions, storage conditions prior to usage and applications acceptable minimum voltage.



	POWER								
	G 04/3	G 06/2	G 32/3	G 36/2	G 52/3	G 54/3	G 26	G 22/6	G 62/1
Cell size	1/2 AA	AA	2/3 A	Long A	C	5/4 C	D	DD	Long fat DD
Cell construction	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral	Spiral
Nominal voltage	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V
Nominal capacity	0.45 Ah	0.95 Ah	0.8 Ah	1.7 Ah	3.2 Ah	5.0 Ah	7.75 Ah	16.5 Ah	34.0 Ah
Max. continuous current	0.25 A	0.5 A	0.75 A	1.5 A	2.5 A	2.5 A	2.5 A	3.0 A	8.0 A
Max. pulse discharge rate	0.4 A	0.8 A	1.2 A	2.5 A	5.0 A	5.0 A	5.0 A	10.0 A	12.0 A
Max. outside diameter	14.2 mm	14.2 mm	16.3 mm	16.3 mm	25.6 mm	25.6 mm	34.5 mm	33.3 mm	41.7 mm
Max. height	27.9 mm	50.3 mm	34.5 mm	57.7 mm	49.5 mm	60.2 mm	59.8 mm	120.6 mm	141.0 mm
Typical weight	8 g	15 g	12 g	18 g	47 g	58 g	85 g	175 g	300 g
Operating temperature range	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C	-60 / +70°C

Typical values relative to cells stored for one year or less at +30°C max ; Performances vary according to discharge characteristics (current, duration, frequency), temperature conditions, storage conditions prior to usage and applications acceptable minimum voltage.



Superior power down to -40°C
Excellent energy density under high discharge rates
Fully hermetic seals up to +95°C