

# <u>D</u>Y<u>NAMIS</u> LITHIUM-LINE

LI-110 /S (ER14250, Size 1/2 AA)

Lithium Thionyl Chloride Cell

## **Electrical characteristics**

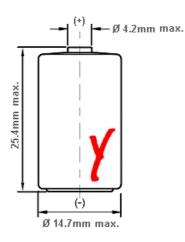
(Typical values for cells stored for one year or less at +25°C max.)

Nominal voltage	3.6 V
Nominal capacity at 1.0 mA with 2.0 V cut off voltage (25 °C). The capacity restored by the cell varies according to current drain, temperature and cut-off voltage).	1 <sup>-</sup> 200 mAh
Max. recommended continuous current	40 mA
Pulse capability	100 mA
Typically up to 100 mA / 0.1 second pulses, drained every 2 min. (25°C) from undischarged cells with 10 $\mu$ A base current, yield voltage readings above 3.0 V.	
(The readings may vary according to the pulse characteristics, temperature, and the cell's previous history. Fitting cell with a capacitor is recommended in severe conditions applications.)	
Storage temperature (recommended for max. 60% rel. humidity, according other demands contact DYNAMIS)	30°C max.
Operating temperature range (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)	-55°C ~ +85°C

## **Physical characteristics**

Height	25.4 mm
Diameter	14.7 mm
Weight ca.	10 g

### Drawing:







**<u>DYNAMIS</u>** Batterien

#### Key features

- n High and stable operating voltage
- n High minimum voltage during pulse application
- Low self discharge rate (less than 1 % after 1 year of storage at +25°C)
- n Stainless steel container
- n Hermetic glass-to-metal sealing

n Fire, explosion and severe burn

n Do not expose cell or contents to

n Do not recharge, crush, disassemble, heat over 100°C or incinerate.

- n Non-flammable electrolyte
- n UL certified

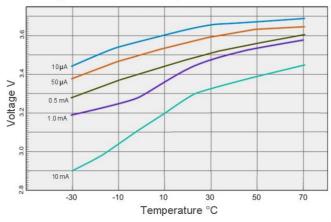
Warning

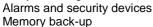
hazard.

water

Continuous discharge at 25°C 4.0 3.5 Voltage V 2.5 3.0 2.0 56Ω 96Ω 54 mA 36 mA (0.43Ah) (0.60Ah) 17.5 KΩ 88.7 KΩ 200 μA 40 μA (1.18Ah) (1.11Ah) 330Ω 10 mA (0.9Ah) 3.6 KΩ 1mA (1.2Ah) 1.5 0 10 100 1000 1F4 1E5 Discharge time h

Voltage levels at various temperatures and drain conditions





Utility metering

Main applications

Memory back-up Tracking systems Automotive electronics Professional electronics etc.

### **Terminal variations**

Standard /S Solder tabs /T Axial Pins /P Polarized Tabs +(1)/-(2) /PT Polarized Tabs +(2)/-(1) /PTV Pins +(1)/-(1) /EPR

For other terminals please contact DYNAMIS.

Compliance with Safety Standards IEC 60086-4 EN 50020

All information (subject to change without notice) contained in this document is for reference only and should not be used as a basis for product guaranty or warranty. For applications other than those described here, please consult your nearest DYNAMIS Sales or Marketing Office or Distributors.

