DYNAMIS

LITHIUM-LINE

LI-210 /S (ER14250HP, Size ½ AA)

Lithium Thionyl Chloride Cell - High Rate Discharge Type (Spiral)

Electrical characteristics

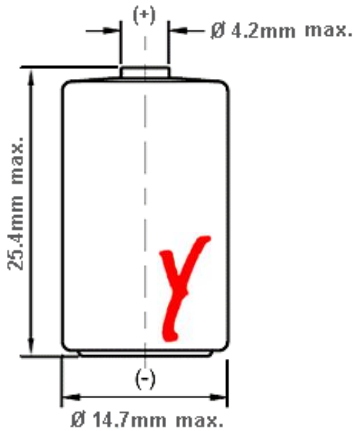
(Typical values for cells stored for one year or less at +25°C max.)

Nominal voltage	3.6 V
Nominal capacity at 4 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).	750 mAh
Max. recommended continuous current	100 mA
Pulse capability Typically up to 350 mA / 0.1 second pulses, drained every 2 min. (25°C) from undischarged cells with 10 µA 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.)	300 mA
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 ~ +80°C

Physical characteristics

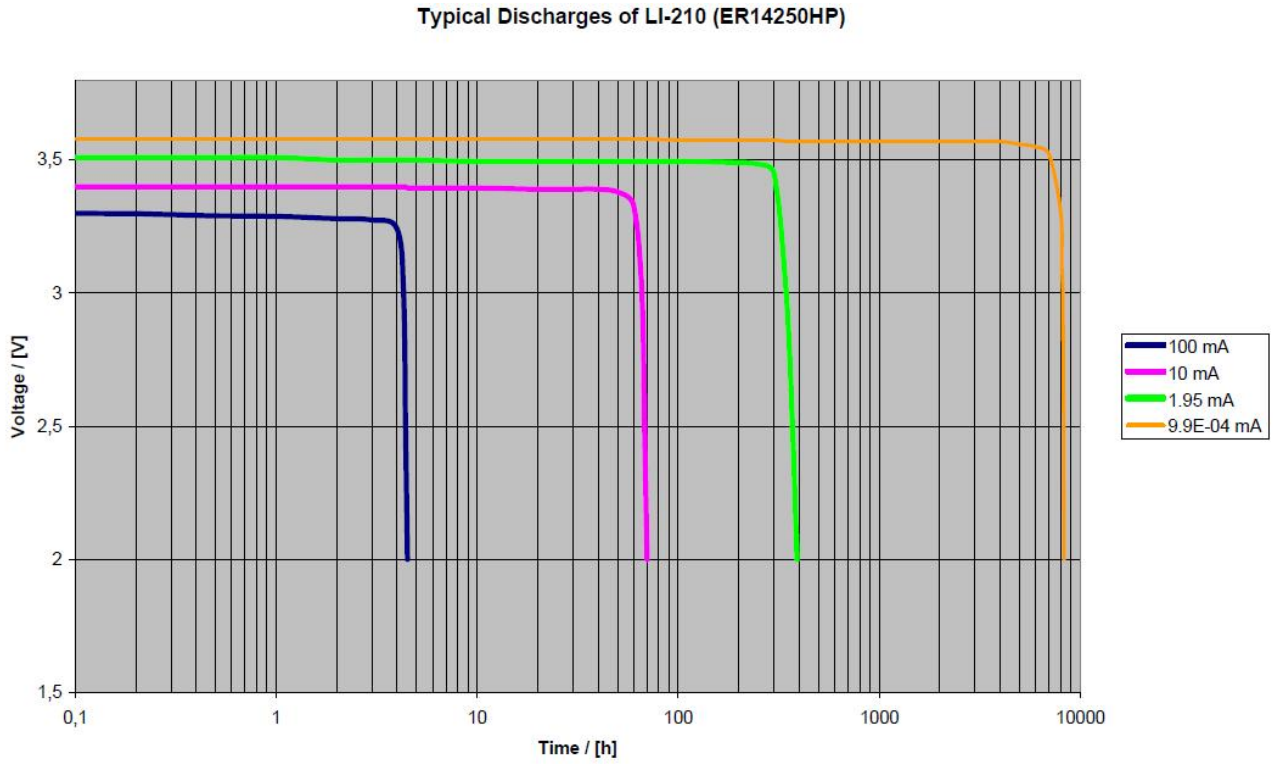
Height	25.4 mm
Diameter	14.7 mm
Weight ca.	10 g

Drawing:

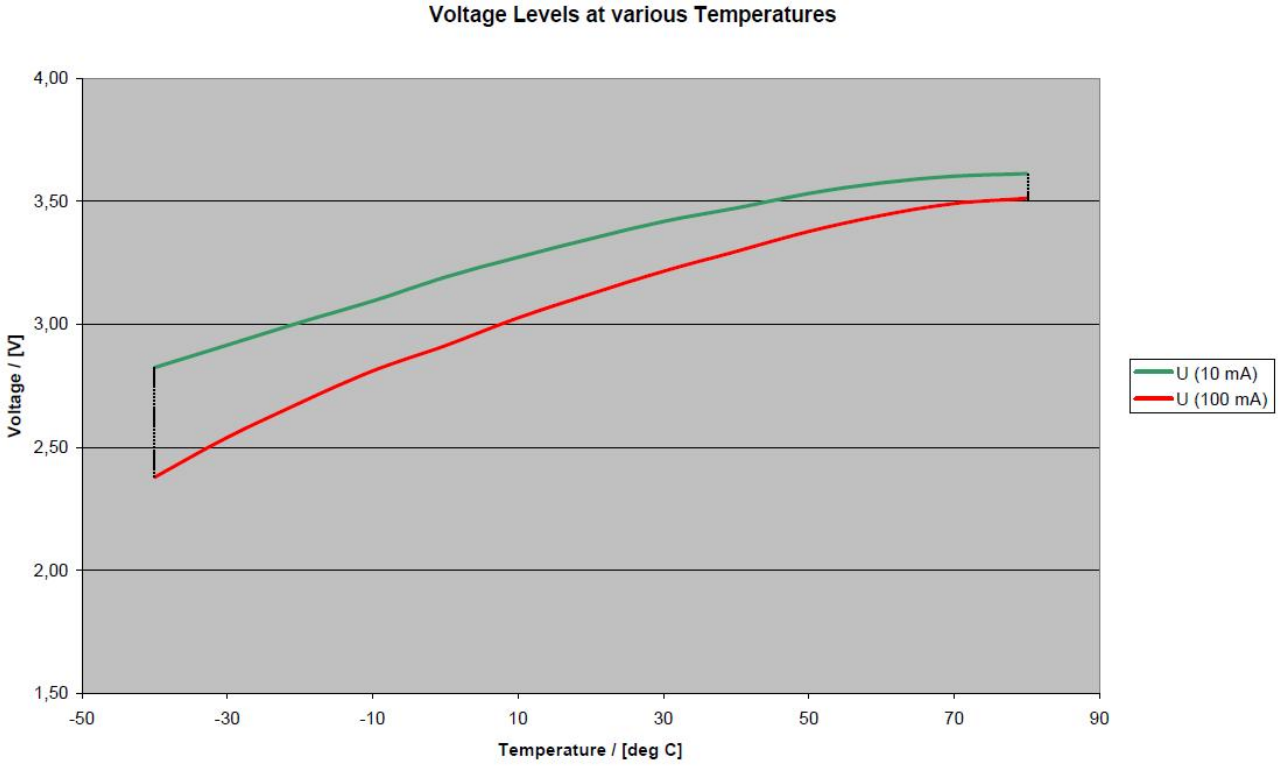


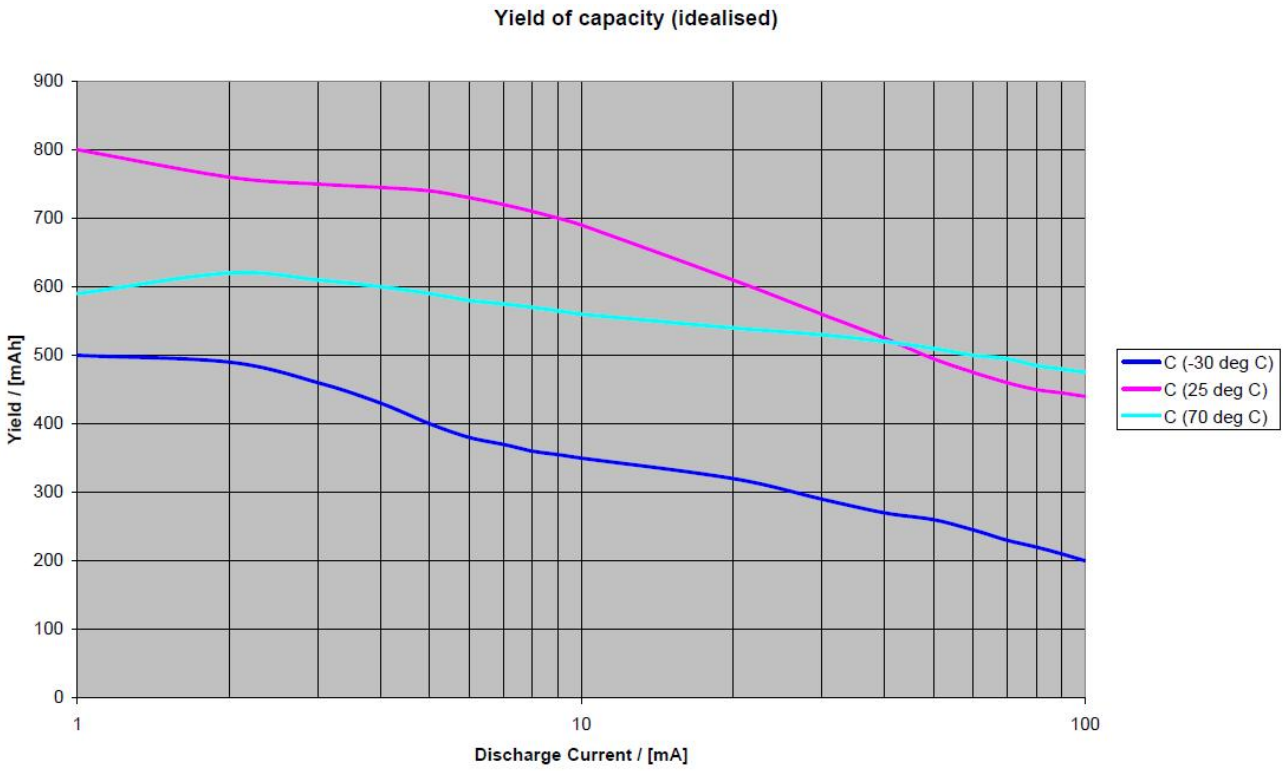
CE

Electrical Performance



Resistors used for current calculation: 1800 Ω (1.95 mA), 330 Ω (10 mA), 33 Ω (100 mA) and 36 kΩ for 0.99 mA.





Key features

- High and stable operating voltage
- High minimum voltage during pulse application
- Low self discharge rate (less than 2 % after 1 year of storage at +25°C)
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- UL certified

Warning

- Fire, explosion and severe burn hazard.
- Do not recharge, crush, disassemble, heat over 100°C or incinerate.
- Do not expose cell or contents to water
- Do not discharge bellow 2.0V

Terminal variations

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

Main applications

Utility metering
Alarms and security devices
Memory back-up
Tracking systems
Automotive electronics
Professional electronics etc.

For other terminals please contact DYNAMIS.