DYNAMIS

LITHIUM-LINE

LI-110 /P (ER14250, Size ½ AA)

Lithium Thionyl Chloride Cell

Electrical characteristics

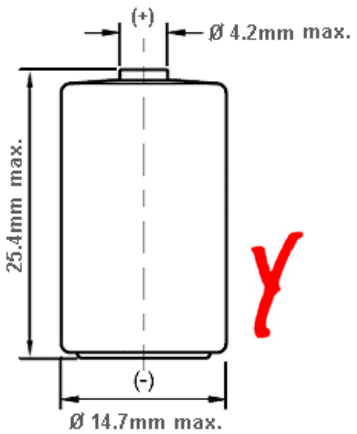
(Typical values for cells stored for one year or less at +25°C max.) Order No. 60.08172

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´200 mAh
Max. recommended continuous current	40 mA
Pulse capability (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.)	100 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 ~ +85°C

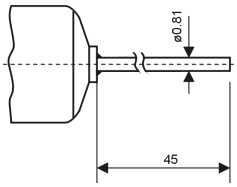
Physical characteristics

Height	25.4 mm
Diameter	14.7 mm
Weight ca.	10 g

Drawing:

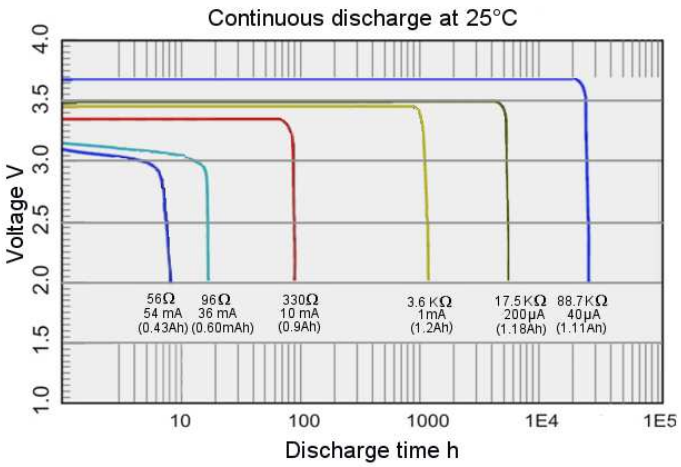


Pin configuration: Pins P* at Page 3



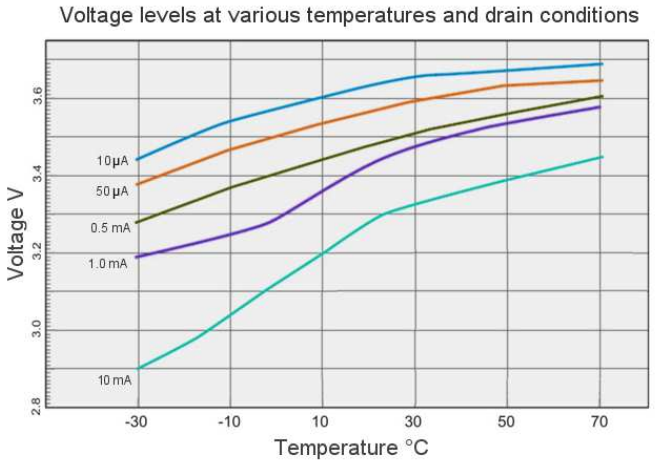
Key features

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



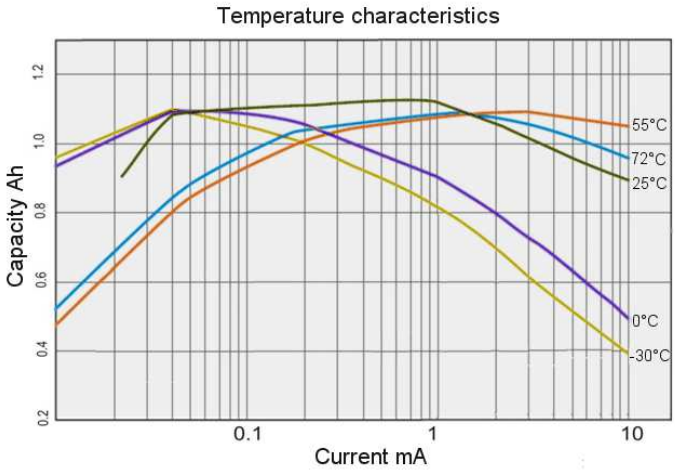
Warning

- 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



Main applications

Utility metering
Alarms and security devices
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

***Customer Information**
according processing of cells w/ axial pins (/P versions)

Dynamis Batteries recommends his customers to use special care during bending of the welded axial pins of Primary cells (where applicable).
The pins may be damaged at the welding point if the distance to the bending point is too small. A minimum distance of 5 mm is recommended to avoid damages.
In addition, we recommend the use of a supportive bending tool to sustain the bending point. If these recommendations are followed there is no limit for the angle of bending.

*** Kundeninformation**
zur Verarbeitung von Zellen mit axialen Pins (/P Versionen)

DYNAMIS Batterien GmbH empfiehlt seinen Kunden bei der Verarbeitung von Primärzellen mit axialen Pins auf eine schonende Behandlung der angeschweißten Ableiter zu achten. Die Ableiter können beim Abbiegen bei zu geringem Abstand
zur Schweißstelle an der Zelle beschädigt werden. Als minimalem Abstand zwischen Schweißstelle und Abbiegepunkt wird 5 mm empfohlen.

Darüber hinaus empfehlen wir die Verwendung eines geeigneten Hilfsmittels, daß ein definiertes Abbiegen erlaubt und am Pin unterstützend angelegt wird.
Bei Beachtung dieser Empfehlung ist der Winkel des Abbiegens frei wählbar.