

DYNAMIS

LITHIUM-LINE

LI-140 /S (ER 17505, Size A)
Lithium Thionyl Chloride Cell



Electrical characteristics

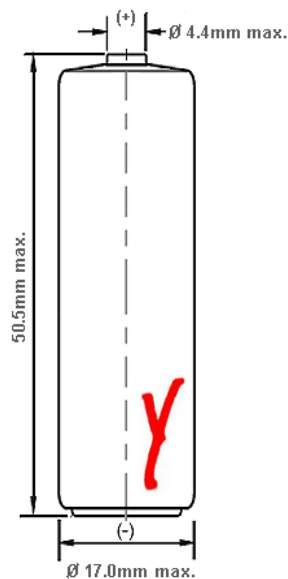
(Typical values for cells stored for one year or less at +25°C max.)

Nominal voltage	3.6 V
Nominal capacity at 3 mA with 2.0 V cut off voltage (20 °C). The capacity restored by the cell varies according to current drain, temperature and cut-off voltage).	3 400 mAh
Max. recommended continuous current	120 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.)	200 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	50.5 mm
Diameter Ø	17.0 mm
Weight ca.	24 g

Drawing:



Key features

- n High and stable operating voltage
- n High minimum voltage during pulse application
- n 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 Non-flammable electrolyte
- n UL-certified

Warning

- n Fire, explosion and severe burn hazard.
- n Do not recharge, crush, short circuit, disassemble, heat over 100°C or incinerate.
- n 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.

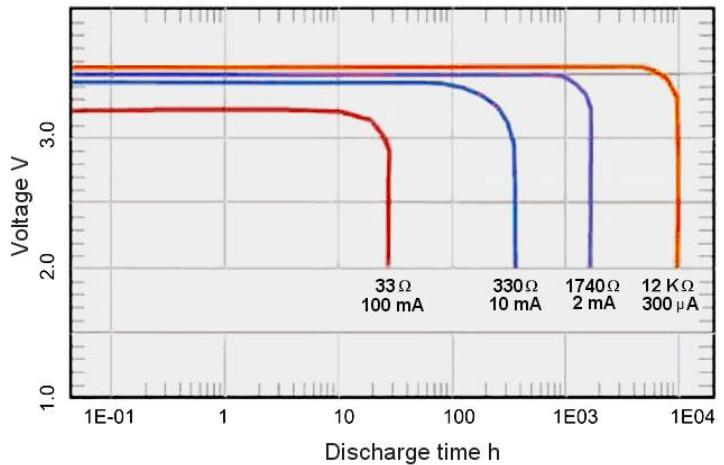
Terminal variations

Standard /S
Solder tabs /T
Axial pins /P

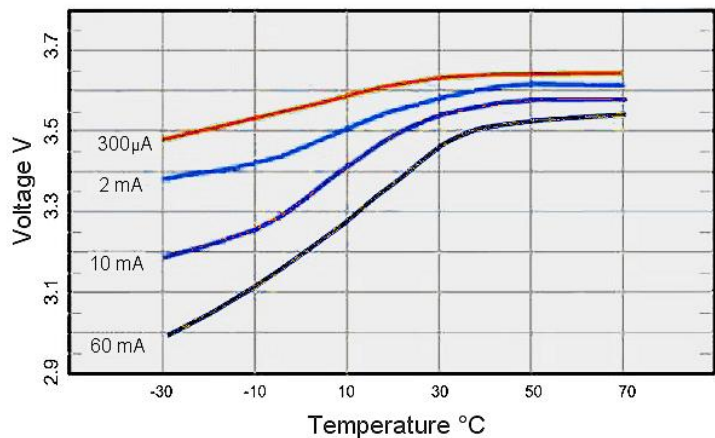
For other terminals please contact DYNAMIS.

Compliance with Safety Standards
IEC 60086-4
EN 50020

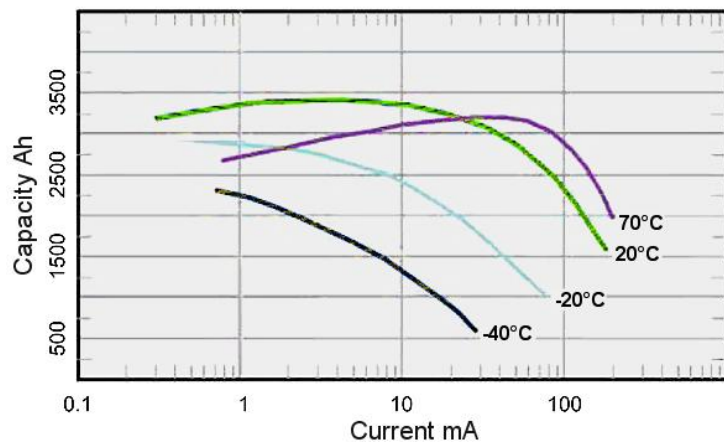
Continuous discharge at 25°C



Voltage levels at various temperatures and drain conditions



Temperature characteristics



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