

LITHIUM BATTERY

PCL9003
3.6V 14500mAh

Primary lithium batteries

**3.6V Primary lithium-thionyl chloride
(Li-SOCl₂) high power type
D -size spiral cell**

ER34615M

Cell size references (UM1 - R20 - D)

Electrical characteristics

(typical values relative to cells stored for one year or less at +30°C max.)

Nominal capacity	14.5Ah
(at 10mA +20°C 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).	
Open circuit voltage (at +20°C)	3.66V
Nominal voltage (at 10mA +20°C)	3.6V
Max. Continuous current	2000mA
Max. Pulse current	3000mA

Pulse capability: Typically up to 3000 mA (3000 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 µA base current, yield voltage readings above 3.0V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions.

Storage (recommended)	+30°C (+86° F) max
(for more severe conditions)	

Operating temperature range	-55°C/+85°C
(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses)	(-76° F/+185° F)

Physical characteristics

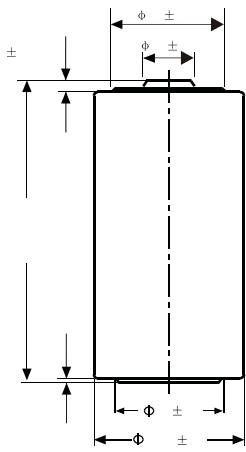
Diameter (max)	34.0mm
Height (max)	61.5mm
Typical weight	107.0g
Available termination suffix	radial tabs, radial pins, axial leads, leads flying (T/AX/P/PT)

Key Features

- Stainless steel container
- High and stable operating voltage
- Superior discharge rate (less than 1% after 1 year of storage at +20°C)
- Hermetic glass-to-metal sealing
- Compliant with IEC 86-4 safety standard

Main applications

- AMR utility meters
- Memory back-up
- Automotive devices
- Deep hole drilling
- RFID devices
- Electronic toll tags
- GPS emergency locators
- Animal tracking
- Asset/container tracking
- Vehicle tracking
- House arrest systems
- Medical devices
- Wireless security (PIR)
- Oceanographic buoys
- Military electronics
- Industrial instruments



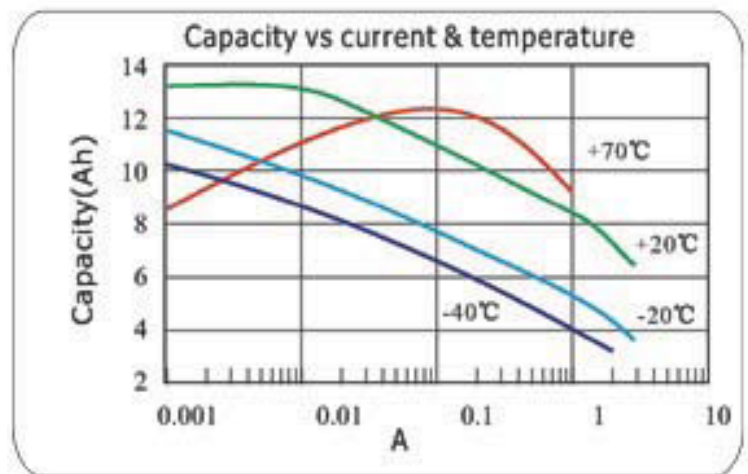
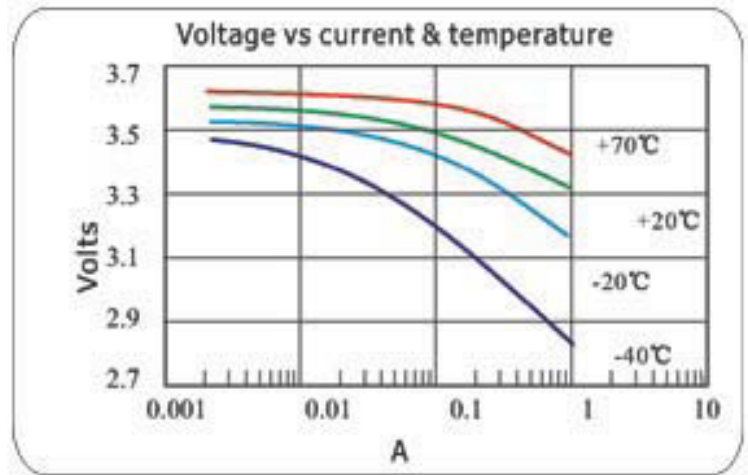
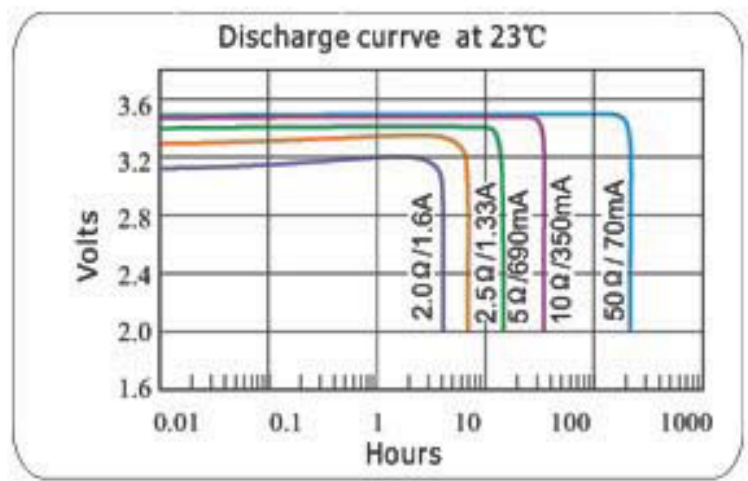
Unit : mm

Storage

The storage area should be clean,
Cool (not exceeding +30°C), dry
And ventilated.

Warning

- Do not use if the battery casing was mangled.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate or expose contents or water.
- Do not solder directly to the cell (use tabbed cell versions instead)



ELECTRICAL CHARACTERISTICS OF THE RESETTABLE FUSE

ITEM		VALUE
R ₂₅ Internal contact resistance		35 ~ 60m Ω
I _{hold}	25°c	2.0A
	60°c	1.0A
I _{trip}	25°c	4.0A
	60°c	2.0A
Max. Time to trip 25°c 7,5A		5S