DATA SHEET OF



Lithium BackUp Batteries

CUSTOMER	
MODEL	ER10450
DATE	2009
	Memory Backup Lithium Batteries
SPECIFICATION	Li/SOCI ₂
	3.6V 700 mAh [AAA]
CUSTOMER REF:	
Industrial Packaging	Industrial Bulk



Hong Kong Batteries Manufactory Limited

7 Flat, 10/F, Kam Hon Bldg, 8 Wang Kwun Road, Kowloon Bay,

Kowloon, Hong Kong.

Tel: 852-27988548 -10 lines / Fax: 852-27980321

Web site: www.hk-batteries.com

Email: sales@hk-batteries.com

LITHIUM BATTERY

Primary lithium batteries ER10450

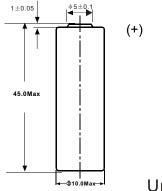
3.6V Primary lithium-thionyl chloride (Li-SOCI2) Energy type bobbin cell

For low drain / long time applications requesting superior voltage response in -55℃~+85℃ environments.

Cell size references	(AAA)
Alternative models	(AAA) (AAA)
Electrical characteristics (typical values relative to cells stored for one year or less at +30° max.) Nominal capacity (at 1 mA +20° 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).	0.7Ah
Open circuit voltage (at +20℃)	3.66V
Nominal voltage (at 1mA +20°C)	3.6V
Pulse capability: Typically up to 30 mA (30 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 μ A base current, yield voltage readings above 3.0°V. 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.)	
Max. Continuous current Max. Pulse current	10mA 30mA
Storage (recommended) (for more severe conditions)	+30℃ max
Operating temperature range (Operation above ambient T may lead to reduced ca p city and lower voltage readings at the beginning of pulses)	-55℃ / +85℃
Physical characteristics	
Diameter (max)	10mm(0.38 in)
Height (max)	45mm(1.8 in)
Typical weight	9g(0.3oz)
Available termination suffix radial tabs, radial pins, axis	al leads, flying leads

LITHIUM BATTERY





Unit:mm

Key features

- High and stable operating voltage

- High and stable operating totage Superior drain capability Low self-discharge rate (less than 1% after 1 year of storage at $+20^{\circ}$)
- Optional stainless steel container for low magnetic and nickle plated steel container for more safe design
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte

Main applications

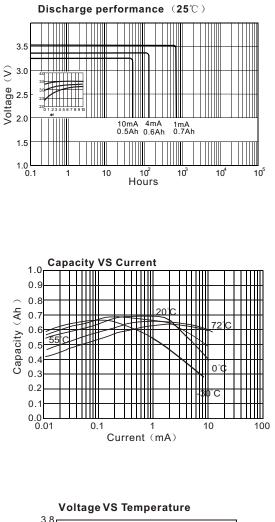
- Radiocommunication and other military applications
- Alarms and security systems
- Beacons and emergency location • transmitters
- GPS
- ► Metering systems
- ۲ Sonobuoys
- LED lighting applications
- . Others

Storage

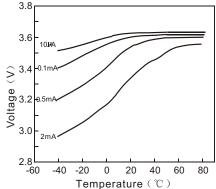
- The storage area should be clean, cool (not exceeding +30), dry and ventilated. °C

Warning

- Do not use if the battery casing was mangled.
- Please discharge the battery few minutes with 100mA, if the battery
- voltage is lower than your need or consult us. Don t use different models of battery
- in séries.
- Soldering the tag should be finished in few seconds.
- Do not try to recharge.

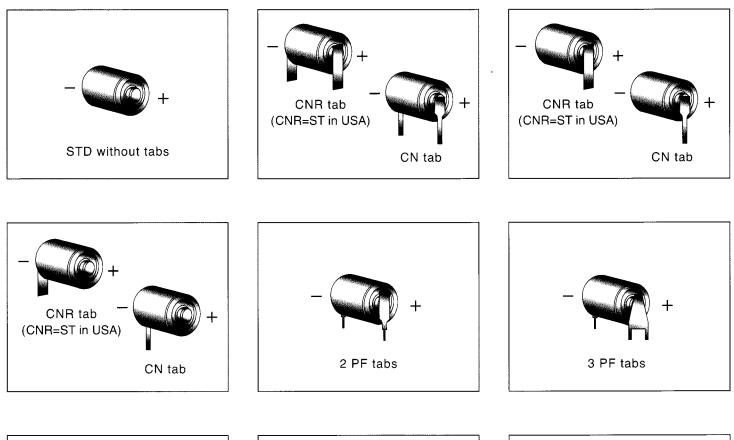


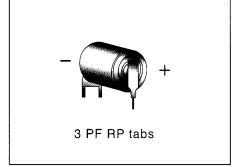
Characteristic curves

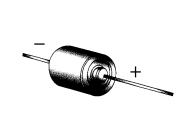


Lithium Thionyl Chloride Cylindrical Batteries 3.6V

Welded Terminals







CNA axial tabs (AX in USA)

. 2

