

Ahead Cell Technology Co.,Ltd

Bobbin Cell

Primary Lithium Battery

Typical weight

Available terminal suffix

ER14250 1/2AA 3.6V 1.2Ah



3.6V Primary lithium-thionyl chloride (Li-SOCI2) Energy Type

For low drain/long term operating applications requesting superior voltage response in -55 $^{\circ}$ C $^{\sim+}85 ^{\circ}$ C environments

radial tabs, radial pins, axial leads, flying leads

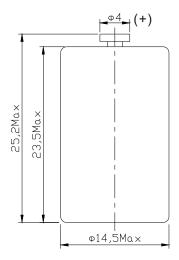
9g(0.3oz)

Cell size references	1/2	2UM3-1/2R6-1/2AA
Alternative models	LS14250/LST14250/LS14250C/TL4902	/TL5902/SB-AA02/XL050F
Nominal capacity	s Ils stored for one year or less at +30°C max. f.The capacity restored varies according to e	1.2Ah
Open circuit voltage(At 20°C	•	3.66V
Nominal voltage (At 0.5mA+	•	3.6 V
Max. continuous current (at + Typical Max. Pulse current (a	·	20mA 50mA
Pulse capability:Typically up to 50mA (50mA/0.1second pulses drained every 2min at 20°C from cells with 10µA base current, yielding voltage readings above 3.0V. The readings may vary according to pulse characteristics, temperature and cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult ACT if necessary)		
Storage (recommended)		+30°C(+86°F)Max
Operating temperature range (High and low temperature w	e vill lower the capacity and load voltage.)	-55°C~+85° <u>C</u>
Physical characteristics		
Diameter(Max)		14.5mm(0.55in)
Height(Max)		25.2mm(1in)



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Key features

- >High and stable load voltage
- >Superior drain capacity
- >Low self-discharge rate (less than 1% after 1 year of storage at 20°C)
- >Stainless steel container
- >Hermetic glass-to-metal sealing
- >Laser welding
- >Non-flammable electrolyte

Main applications

- >Radiocommunication and other military applications
- >TPMS
- >RFID
- >Alarms and security systems
- >Beacons and emergency location transmitters
- >GPS equipment
- >Metering systems
- >Led lighting applications
- >Others

Storage

- >Cells should be stored in a clean &dry(less than 30% RH) area
- >Temp. should not exceed +30°C

Warning

- >Do not use if cell casing is mangled
- >Do not use different model of cell in series
- >Soldering the tag should be finished in few seconds
- >Do not try to recharge

