

P/N: ER14250MR-145  
 SIZE: 1/2AA

**HIGH TEMPERATURE LITHIUM CELL**  
 Lithium Thionyl Chloride (Li/SOCl<sub>2</sub>)

**CROSS REFERENCE**  
 BAT-ER1425S-HT,  
 ER14250SM, 14-24-150LR

### Electrical Characteristics

Nominal voltage (36K $\Omega$ load @+20°C)	3.6V
Nominal capacity at +20°C: - Rated at 3.6K $\Omega$ (1mA) discharge @+20°C, 2.0V cut-off voltage	800mAh
Maximum recommended continuous current: - Retaining 50% nominal capacity at +20°C, 2.0V cut off	40mA
Operating temperature range: (-40°F to 293°F)	-40°C to +145°C
Storage temperature (recommended)	+30°C (86°F) max.
Self-discharge rate per year (at +20°C storage temperature)	≤ 2%
Dimensions max. (diameter x height)	14.5mm x 25.4mm
Battery Volume:	4.2cm <sup>3</sup>
Typical weight:	10g

### Features

- High & stable operating voltage
- High energy density
- Reliable and longer performance
- Long shelf life over 10 years
- Stainless steel construction
- Hermetic glass-to-metal seal
- UL recognition file No. MH45994

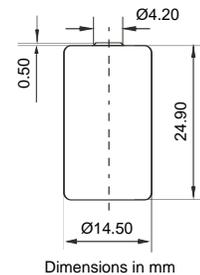
### Applications

- Special utility meters
- Tracking and data logging
- Mining and oil well drilling
- Remote transmitting systems
- Automobile monitoring devices
- Electronics equipment

### Cell Performance

(typical values for a cell in storage for six months or less at +20°~30°C)

- Open Circuit Voltage (at +20°C)	3.68±0.05V
- 330 $\Omega$ load voltage (for 10 minutes at +20°C)	≥ 3.15V
- Operation voltage (at 330 $\Omega$ load at +20°C~145°C range)	≥ 3.30V
- Service life at 330 $\Omega$ load, 2.0V cut-off	
a) temperature at +20°±2°C, 50 hours	≥ 0.5Ah
b) temperature at +100°±2°C, 60 hours	≥ 0.6Ah
b) temperature at +145°±2°C, 50 hours	≥ 0.5Ah
- Nominal capacity (at 3600 $\Omega$ load at +20°±2°C, 2.0V cut-off)	≥ 0.70Ah



Product specifications are subject to change without prior notice. Any presentation in this data sheet concerning performance is for information purpose only and not warranties, either expressed or implied, of future performance.