BiPOWER

P/N: ER14250MR-145 **SIZE: 1/2AA**	**HIGH TEMPERATURE LITHIUM CELL** **Lithium Thionyl Chloride (Li/SOCl2)**	**CROSS REFERENCE** **BAT-ER1425S-HT,** **ER14250SM, 14-24-150LR**

Electrical Characteristics

Nominal voltage (36KΩ load @+20°C)	3.6V
Nominal capacity at +20°C: - Rated at 3.6KΩ (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^3
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 sorage for six months or less at +20°~30°C)

- Open Circuit Volatge (at +20°C)	3.68±0.05V
- 330Ω load voltage (for 10 minutes at +20°C)	≥ 3.15V
- Operation voltage (at 330Ω load at +20°C~145°C range)	≥ 3.30V

- Service life at 330Ω load, 2.0V cut-off
  a) temperature at +20°±2°C, 50 hours
  b) temperature at +100°±2°C, 60 hours
  b) temperature at +145°±2°C, 50 hours
	
	≥ 0.5Ah
	≥ 0.6Ah
	≥ 0.5Ah

- Nominal capacity (at 3600Ω load at +20°±2°C, 2.0V cut-off)	≥ 0.70Ah

Ø4.20

0.50

24.90

Ø14.50
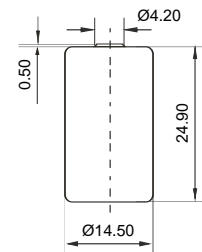
Dimensions in mm

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.

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