

Primary high temperature lithium battery

Safety enhanced high temperature batteries,optimized for oil and gas

ER26760MR-145

3.6V Moderate Rate Lithium thionyl chloride(Li/SOCl₂)
3/2 C-sized cell for operation up to 145°C in demanding environments



Key features

- Primary Cell(non-rechargeable)
- High voltage response,stable during most of the lifetime of the application
- Low self-discharge rate(less than 2% per year of storage at +20°C)
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Built to withstand extreme shock and vibration
- Compliant with IEC 60086-4 safety standard
- Restricted for transport (class 9)

Main applications

- Downhole oil & gas
-Measurement While Drilling
-Logging While Drilling
- Pipeline inspection gauges
- Tracking systems
- Sensor systems

Electrical characteristics

(Typical values relative to cells stored for oen year or less at +30°C max)

Nominal capacity	11Ah
(At 1.8KΩ, +20°C, 2.0V cut-off. The capacity restored by the cell varies according to current drain, temperature and cut-off)	

Nominal voltage	3.6V
(At 0.1mA +20°C)	

Maximum recommended continuous current	800mA
(To get 50% of the nominal capacity at +20°C with 2.0V cut off. Higher currents possible, consult EVE)	

Storage (Recommended)	+30°C
(For more severe condition consult EVE)	

Operating temperature range	-40°C~+145°C
(Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings)	

Diameter (nominal)	25.4mm
--------------------	--------

Height (nominal)	76.0mm
------------------	--------

Weigth (nominal)	85g
------------------	-----

Lithium Weight	2.9g
----------------	------

Storage

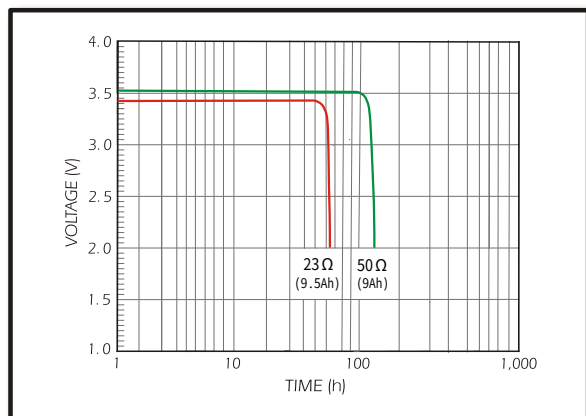
- The storage area should be clean,cool(preferably not exceeding +30°C),dry(Relative hunidity not exceeding 70%) and ventilated.

Warning

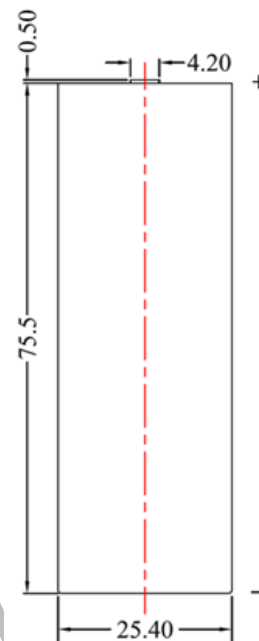
- Fire,explosion and burn hazard.
- Do not recharge,short circuit,crush,disassemble,heat above 145°C,incinerate,or expose contents to water.
- Do not solder directly to the cell,use tabbed cell versions instead.

Information in this document is subject to change without notice and becomes contractual only after written confirmation by EVE.

1 Discharge characteristics at +145°C

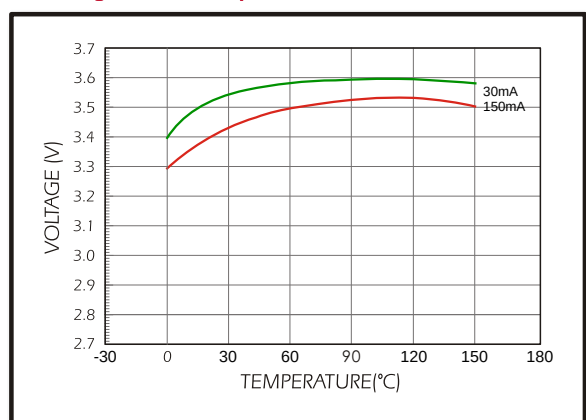


ER26760MR-145

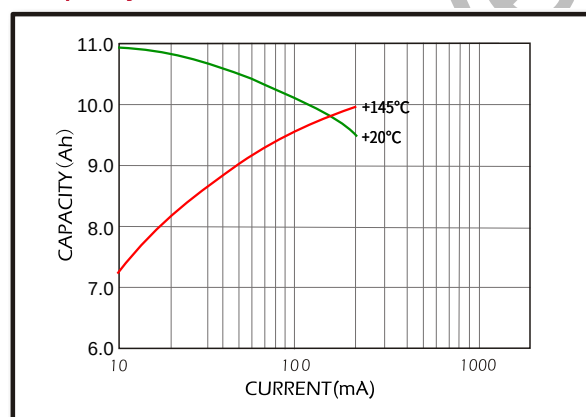


Dimensions in mm
(for more terminations, consult EVE)

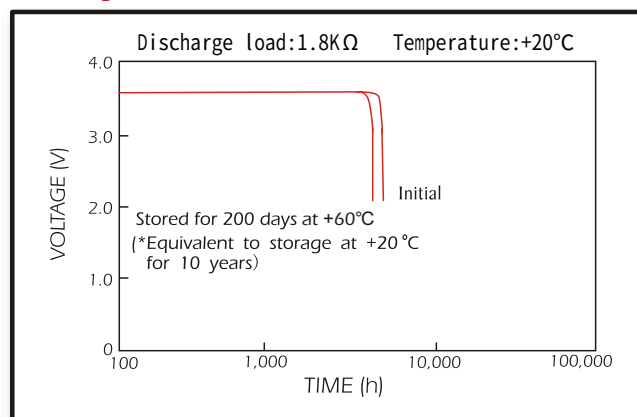
2 Voltage VS Temperature



3 Capacity VS Current



4 Storage characteristics



EVE ENERGY.,LTD.

Add:NO.36,Hui Feng 7th Road,Zhongkai Hi-Tech Zone,Huizhou,Guangdong,China

Tel:+86-752-2606966

Fax:+86-752-2606033

Stock Code:300014

<http://www.evebattery.com>

E-mail:sales@evebattery.com