



# Batteries

Model No.:ER14250

## ER14250



International size reference: 1/2AA

### ELECTRICAL CHARACTERISTICS

(typical values for cells stored for one year or less, at 25°C)

Nominal capacity (At 1 mA, +25°C, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)	1.2Ah
Nominal voltage	3.6V
Maximum continuous current (To get 50% of the nominal capacity at +25°C with 2.0V cut off. Higher currents possible, consult WINPOW.)	25mA
Max.Pulse capability:	50mA
Storage (recommended) (for more severe condition consult WINPOW)	+30°C max
Operating temperature range (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)	-60°C / +85°C
Typical weight	Approx.11g

### Lithium-thionyl Chloride (Li-SOCl<sub>2</sub>) Battery

#### KEY FEATURES

- High and stable operating voltage
- Low self discharge rate(less than 1% after 1 year of storage at 25°C)
- Long storage life
- Stainless steel container(with low magnet)
- Widely operating temperature range
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte

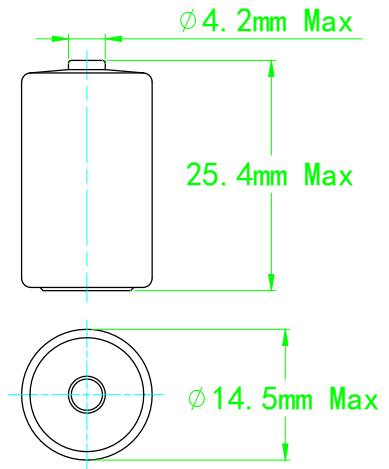
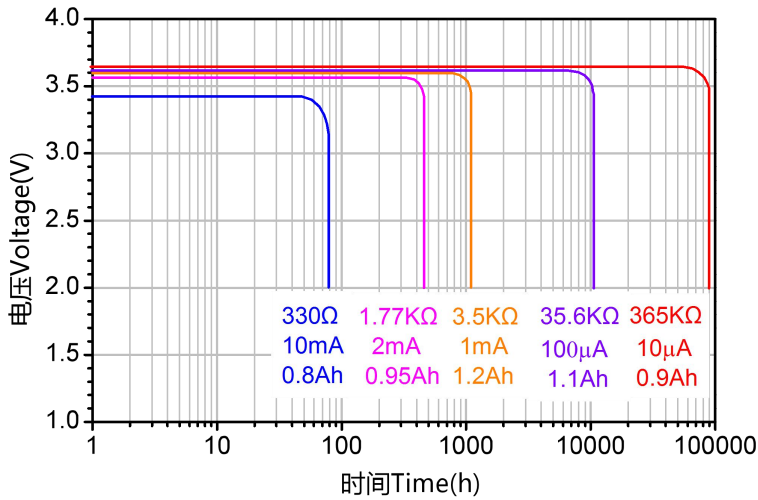
#### APPLICATION

- Utility metering
- Memory back-up
- Alarms and security devices
- Tollgate systems
- Military electronics
- Automotive electronics
- Professional electronics
- GPS tracking
- Real time clock etc.

**Note:** Information in the document is just for reference.Latest edition of the publication, the right of interpretation subject to WINPOW.

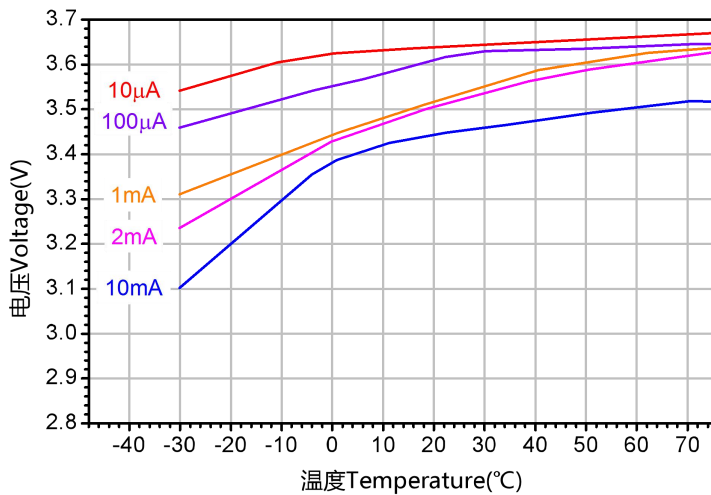
Ref. WP-ER14250-2019B

### DISCHARGE CHARACTERISTICS ( +25°C )

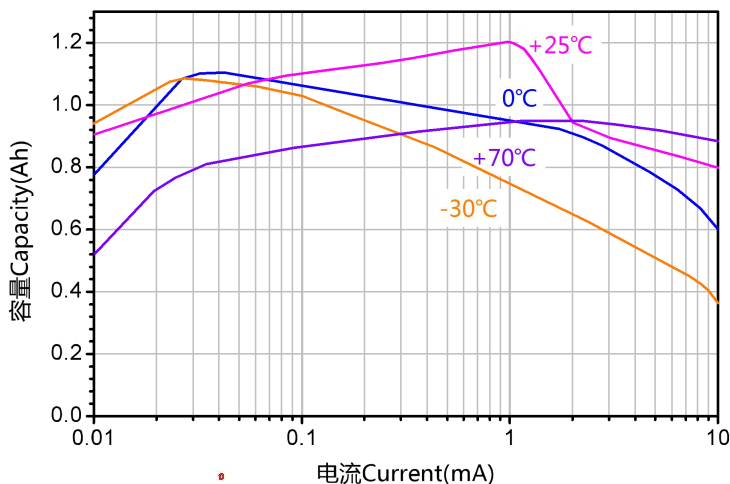


(For different connecting methods consult WINPOW)

### VOLTAGE VERSUS TEMPERATURE



### CAPACITY VERSUS CURRENT



### WARNING

- ✧ It is strictly forbidden to have the battery positive and negative short circuit, charging, discharging, heating over 100 °C, remove, anatomy, or may cause explosion, combustion, internal acid leakage.
- ✧ Do not solder directly on the battery, should use wire or nickel sheet by pre spot welded .
- ✧ Can not mixed use with old and new battery or mixed use different kinds battery.
- ✧ Don't assemble the batteries from different manufacturers.
- ✧ Do not use the battery over the temperature range.
- ✧ Discharged battery should be buried deeply in the ground.