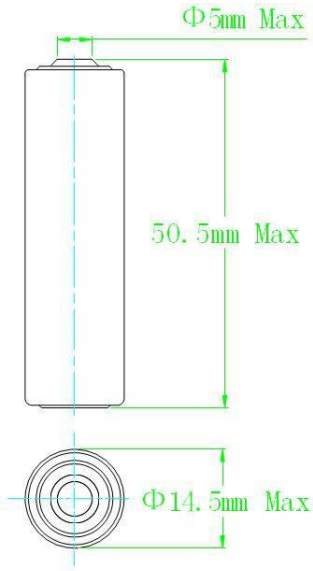
Potensa
CUSTOM ENERGY SOLUTIONS

Model No.:ER14505H

ER14505H

International size reference: AA



Lithium-thionyl Chloride
(Li -S OCl 2) Battery

KEY FEATURES

- High and stable operating voltage
- Low self-discharge rate(less than 1% after 1 year of storage at 25℃)
- 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.

ELECTRICAL CHARACTERISTICS

(typical values for cells stored for one year or les s, at 25 C)

Nominal capacity (At 1 mA, +25°C, 2.0V cutoff. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)	2.7Ah
Nominal voltage	3.6V
Maximum continuous current (To get 50% of the nominal capacity at +25°C with 2.0V cut off.)	50mA
Max. Pulse capability:	100mA
Storage (recommended)	+30°C max
Operating temperature range (Operation at temperature different from ambi ent may lead to reduced capacity and lower voltage plateau readings.)	-60°C / +85°C
Typical weight	Approx.19g

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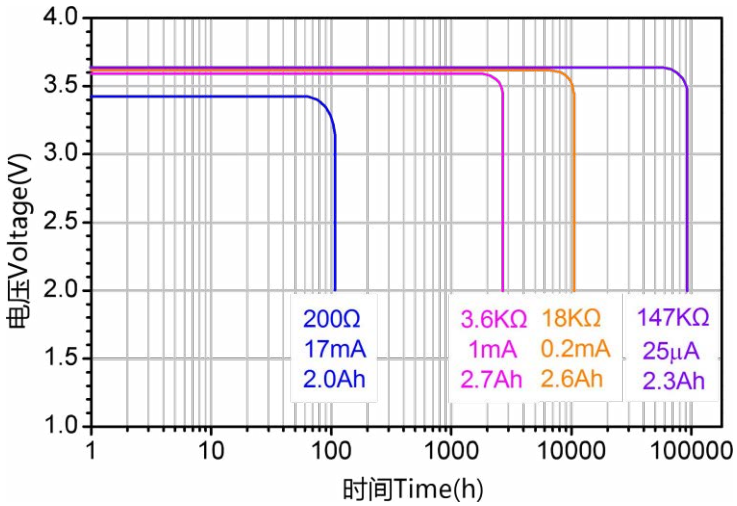
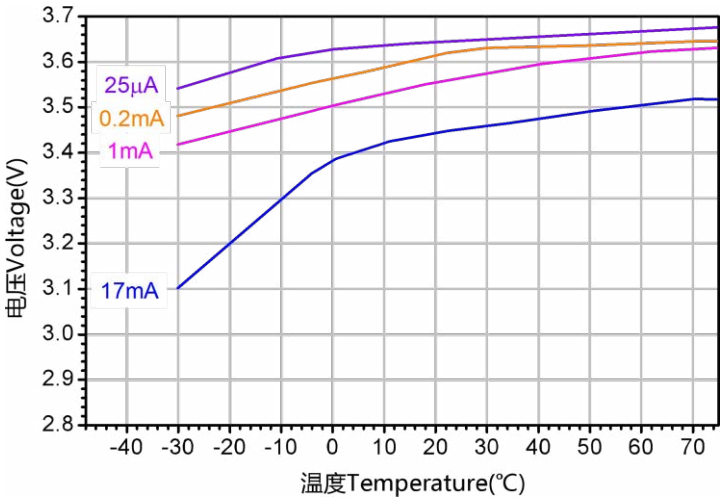
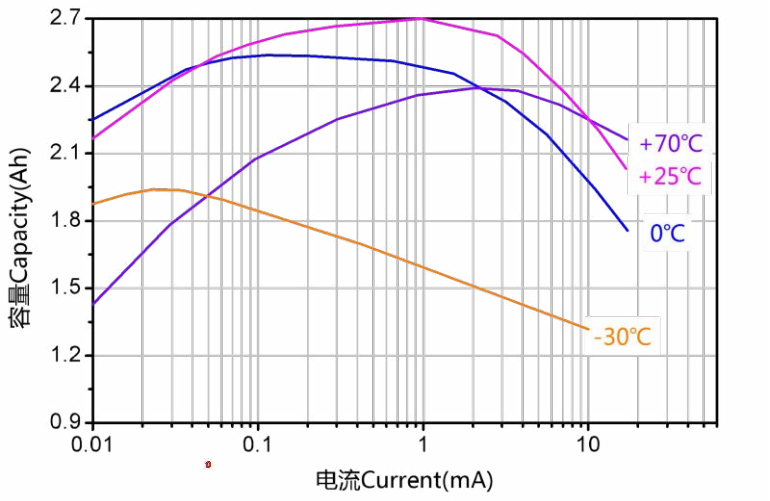
DISCHARGE CHARACTERISTICS（+25℃）



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 ℃, 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 be mixed use d 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.