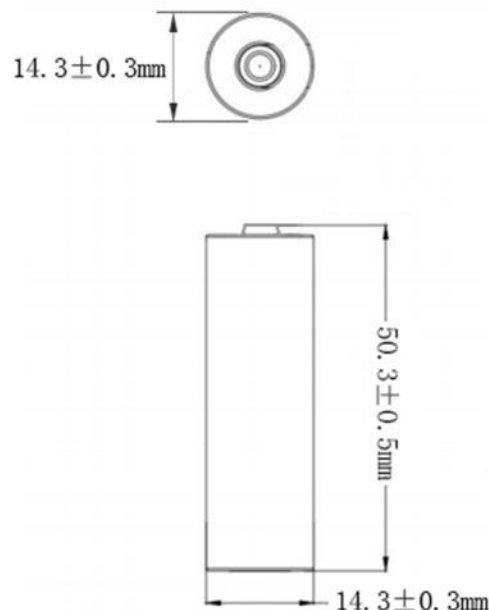


Specifications

Nominal Capacity	2700mAh (4300mWh)
Nominal Voltage	1.5V
Voltage at Low Power	1.05V
Max Discharge Current	2.5A
Cycle Life	1200+
Charging Voltage	5V
Charging Current	0.45±0.05A
Protected	Yes
Positive Pole	Button Top
With Indicator	Yes
Operating Temp	-20 to 60°C
Charging Temp	0-45°C
Storage Temp	-20 to 50°C (best at 25±5°C)
Net Weight	19.8g
Size	Φ14.3±0.3mm×H50.3±0.5mm



Typical service output (new battery, at 20±5°C)

Load	Conditions	End Voltage	Time
43Ω	4 h/d	1.05V	456h
24Ω	15 s/m, 8 h/d	1.05V	552h
3.9Ω	1h/d	1.05V	7.5h

Name

XTAR 1.5V AA CLR 4300 Rechargeable Li-ion Battery

Test Condition

Tests are carried out under the temperature of 20±5°C

Test Current(mA)

250 500 1000 1500 2000 2500

Measured Capacity (mAh)

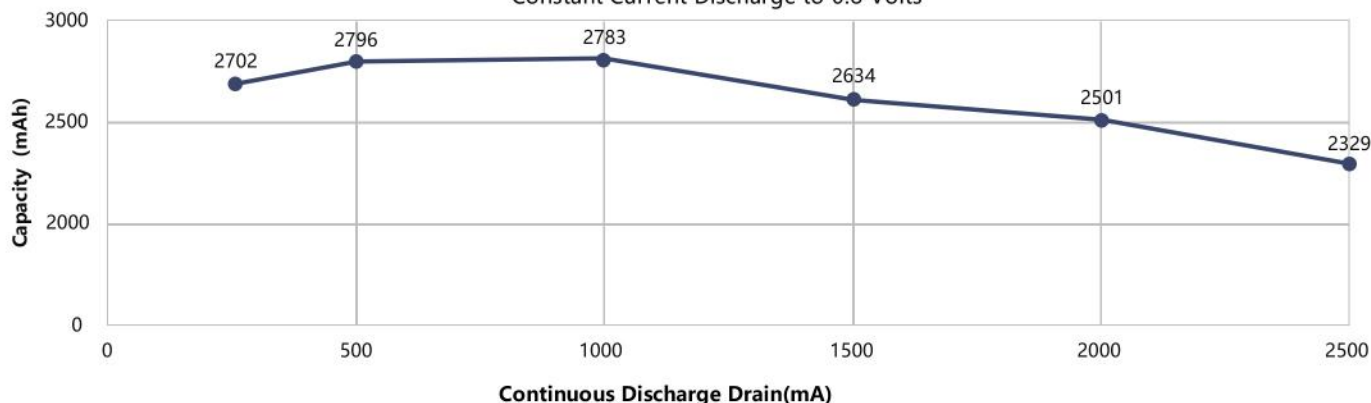
2702 2796 2783 2634 2501 2329

Measured Energy (mWh)

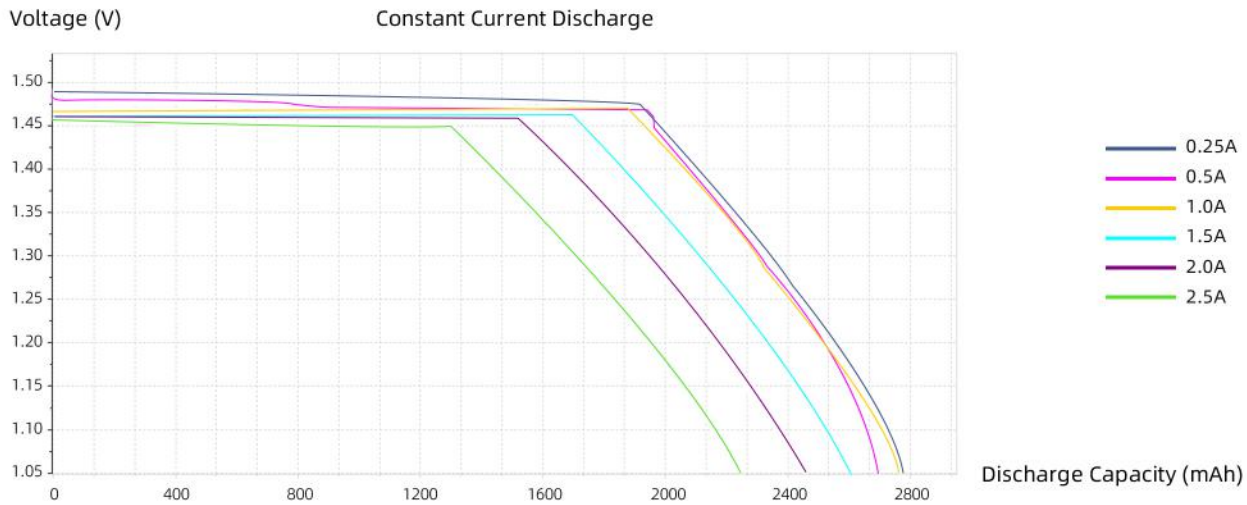
3854 3956 3912 3674 3455 3171

Milliamp-Hours Capacity

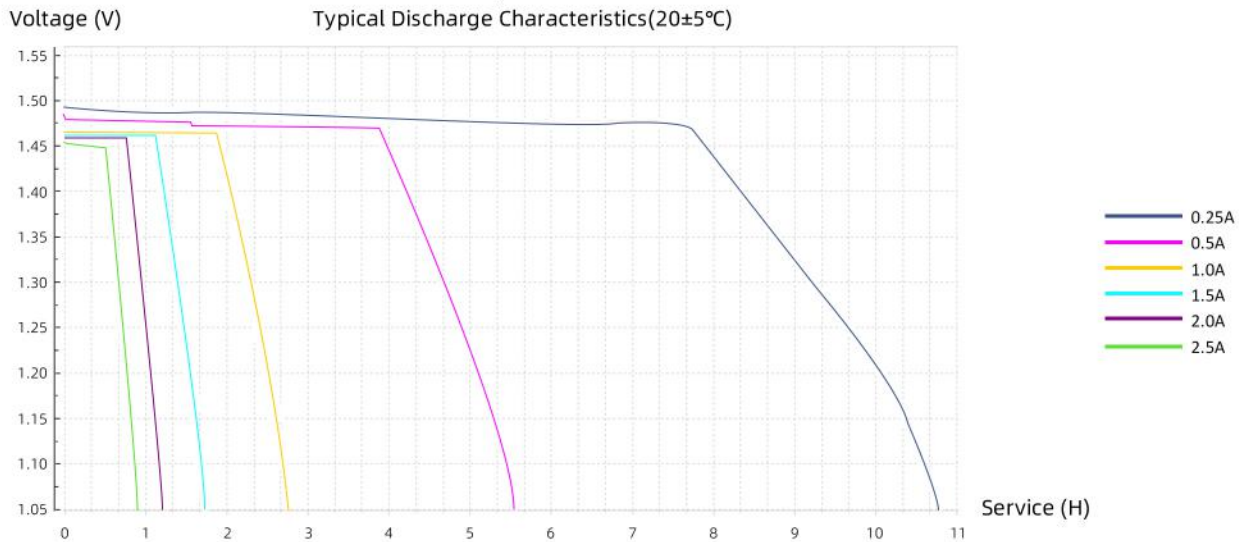
Constant Current Discharge to 0.8 Volts



Discharge Profile



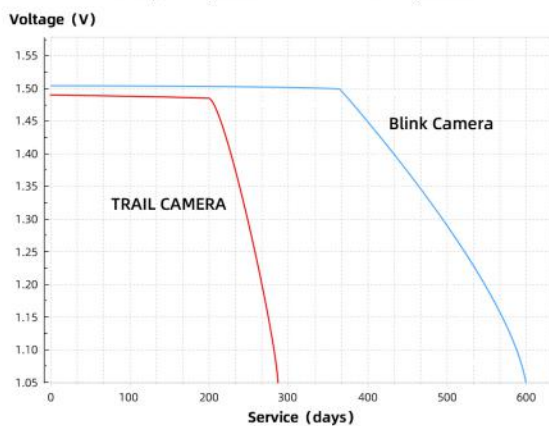
Constant Output Performance



Application Tests

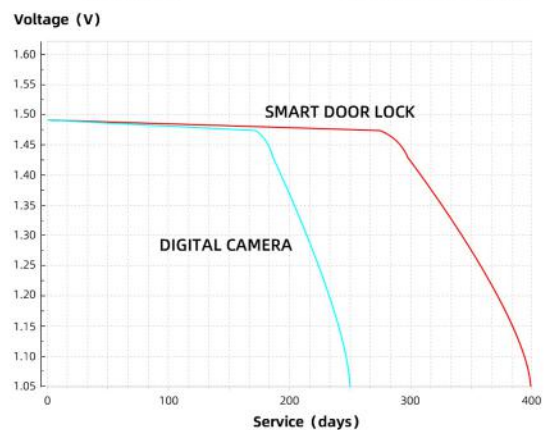
TRAIL CAMERA
300mA/pic 100 pics/day,
Standby 0.2mA, 8xBatt.s

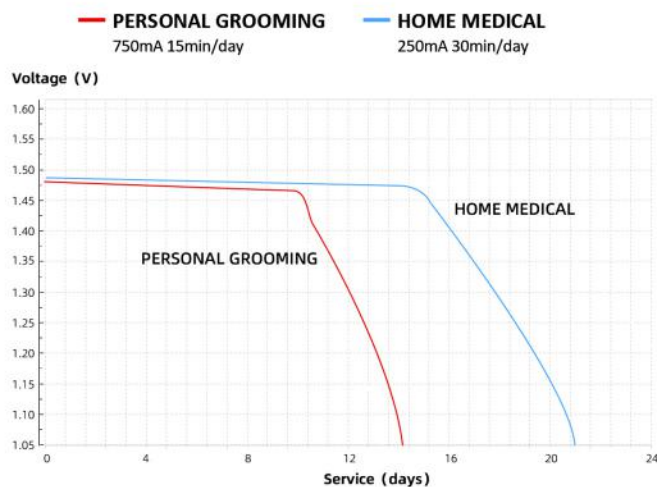
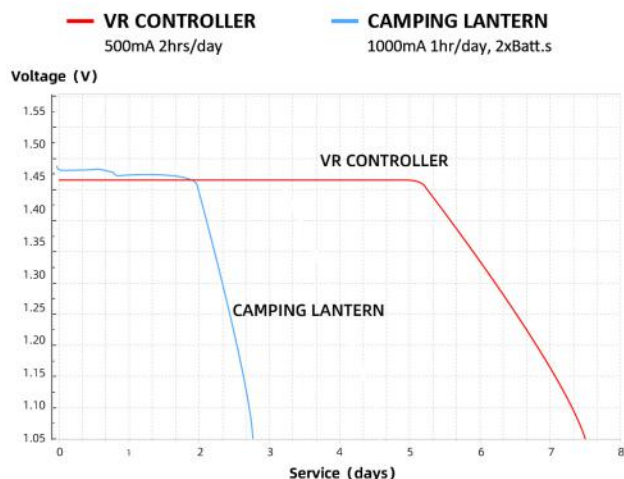
BLINK CAMERA
60s/day, Standby
1.74mA, 2xBatt.s



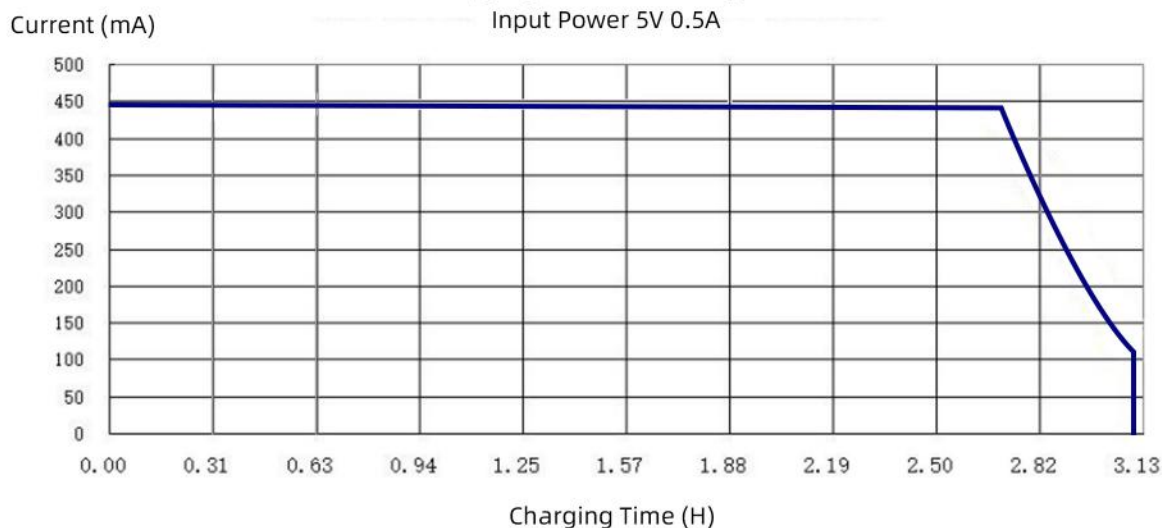
SMART DOOR LOCK
300mA 1min/day, Standby
50μA, 4xBatt.s

DIGITAL CAMERA
1W/pic, 100 pics/day,
Standby 0.1mW, 2xBatt.s





Charging Current Diagram



Battery Status	LED Indicator Status
In the charging	1.2HZ flash
Charge complete	LED on
In the discharging	LED off

Notice:

1. Please read instructions and manual before using the product for safety purposes.
2. Do not charge the battery with unspecified charger. We recommend to use only compatible XTAR 1.5V Li-ion battery chargers for safety and the highest efficiency.
3. Please avoid ambient temperature over 50°C. Do not leave the battery in a car for safety purposes.
4. When the battery is not used for a long period, please keep it in a cool and dry place. Please activate the battery at every 6 month.

Important Notice

This data sheet contains typical information specific to batteries manufactured at the time of its publication.

Contents herein do not constitute a warranty and are for reference only.

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