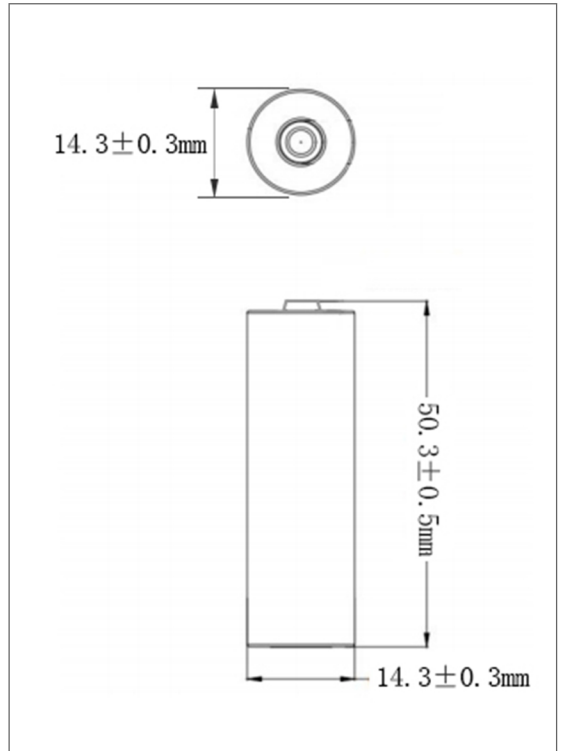


**Specifications**

<b>Nominal Capacity:</b>	3000mAh (3950mWh)
<b>Nominal Voltage:</b>	1.5V
<b>Discharge Cut-off Voltage:</b>	0.9±0.1V
<b>Max Discharge Current:</b>	2.5A
<b>Cycle Life:</b>	1200+
<b>Charging Voltage:</b>	5V
<b>Charging Current:</b>	0.35±0.05A
<b>Protected:</b>	Yes
<b>Positive Pole:</b>	Button Top
<b>With Indicator:</b>	Yes
<b>Operating Temp:</b>	-20 to 60°C
<b>Charging Temp:</b>	0-45°C
<b>Storage Temp:</b>	-20 to 50°C (best at 25±5°C)
<b>Net Weight:</b>	20.5g
<b>Size:</b>	Φ14.3±0.3mm×H50.3±0.5mm



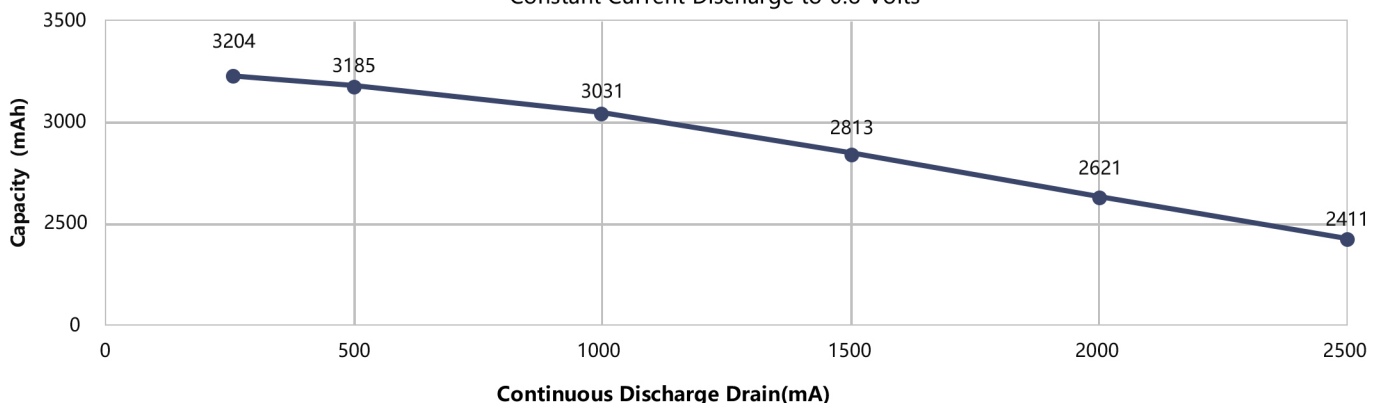
**Typical service output (new battery, at 20±5°C)**

Load	Conditions	End Voltage	Time
43Ω	4 h/d	1.05V	26 days
24Ω	15 s/m, 8 h/d	1.05V	29 days
3.9Ω	1h/d	1.05V	10 days

Name	XTAR 1.5V AA LR 3000mAh USB-C Rechargeable Li-ion Battery					
	Tests are carried out under the temperature of 20±5°C					
Test Condition	250	500	1000	1500	2000	2500
Test Current(mA)						
Measured Capacity (mAh)	3204	3185	3031	2813	2621	2411
Measured Energy (mWh)	4051	4011	3770	3521	3228	2947

**Milliamp-Hours Capacity**

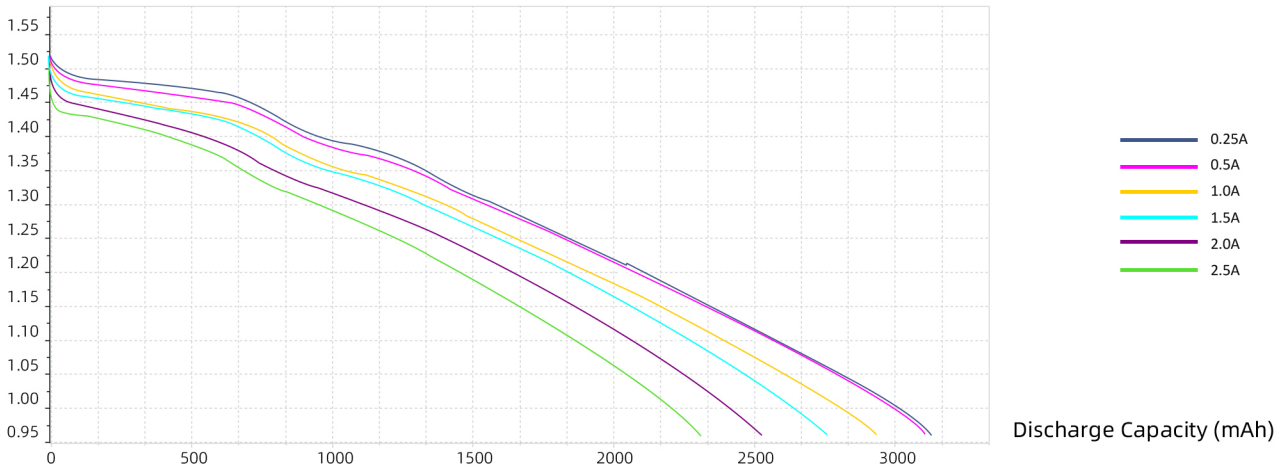
Constant Current Discharge to 0.8 Volts



## Discharge Profile

Constant Current Discharge

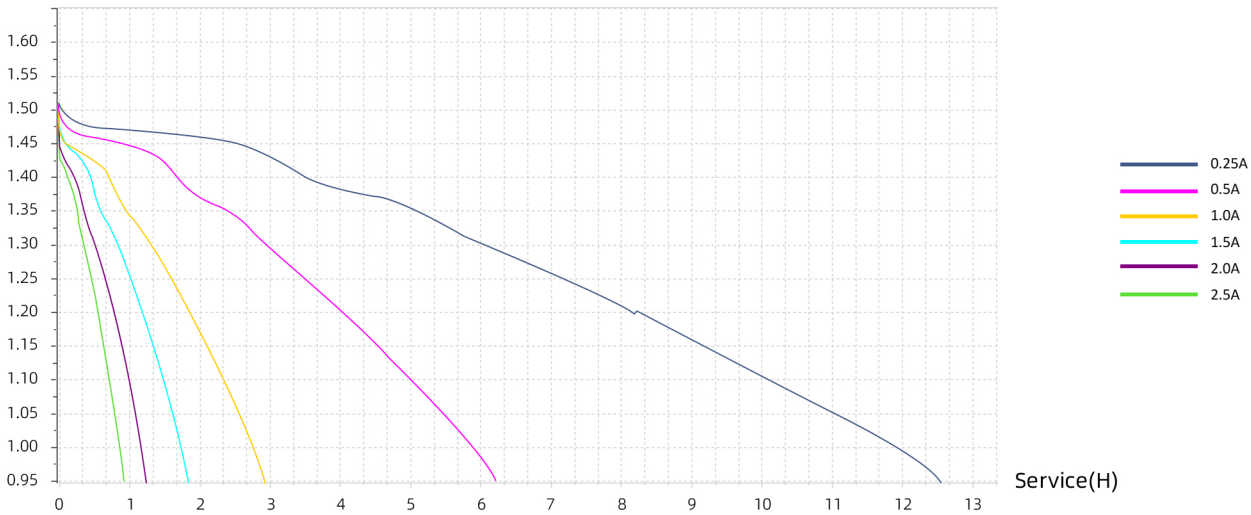
Voltage (V)



## Constant Output Performance

Typical Discharge Characteristics(20±5°C)

Voltage (V)



## Application Tests

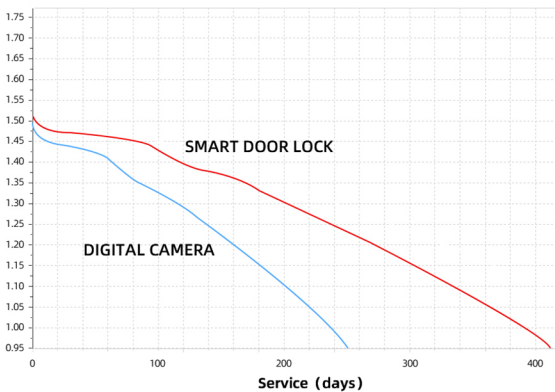
**SMART DOOR LOCK**  
300mA 1min/day,  
Standby 50µA, 4xBatt.s

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

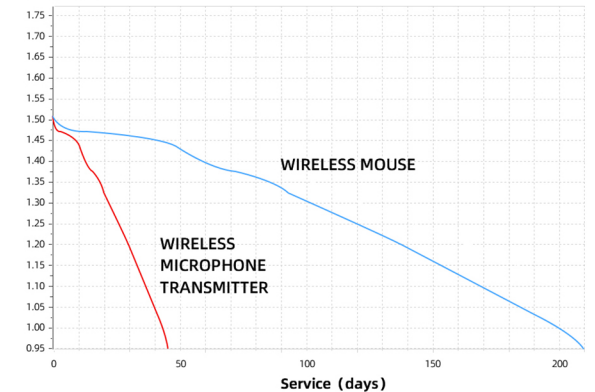
**WIRELESS MICROPHONE TRANSMITTER**  
110mA 30min/day, 2xBatt.s

**WIRELESS MOUSE**  
3mA 4h/day, Standby 10µA

Voltage (V)



Voltage (V)

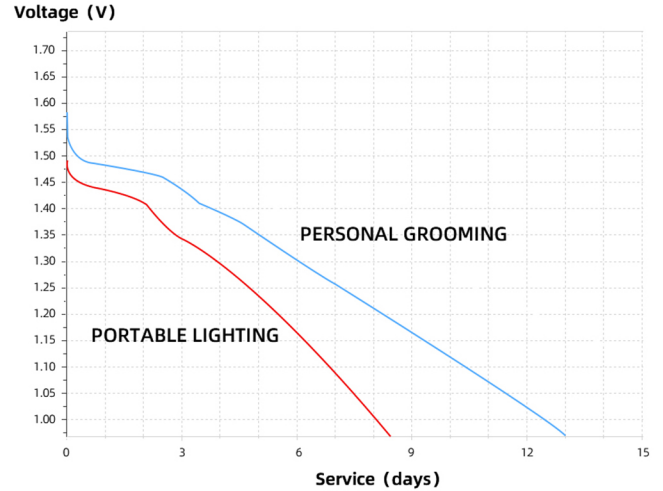
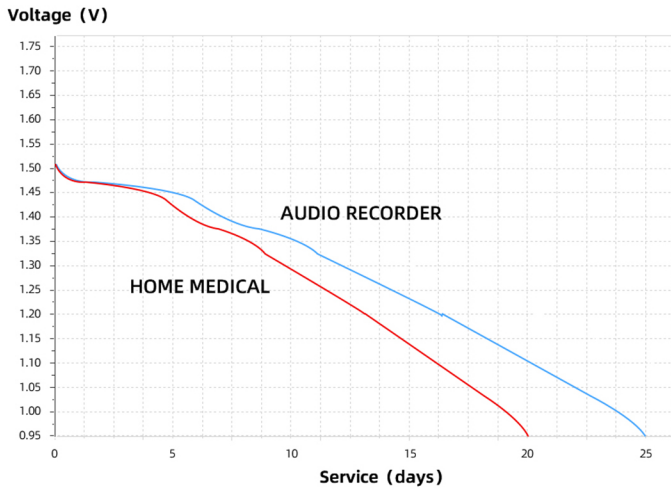


**HOME MEDICAL**  
250mA 30min/day

**AUDIO RECORDER**  
200mA 30min/day, 2xBatt.s

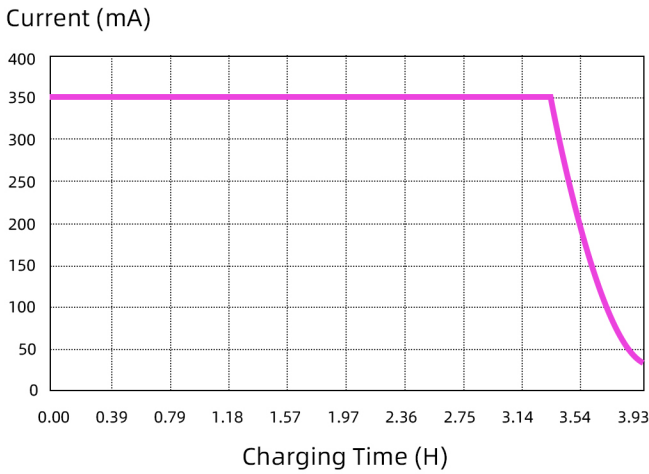
**PORTABLE LIGHTING**  
3.3ohm 1h/day

**PERSONAL GROOMING**  
750mA 15min/day



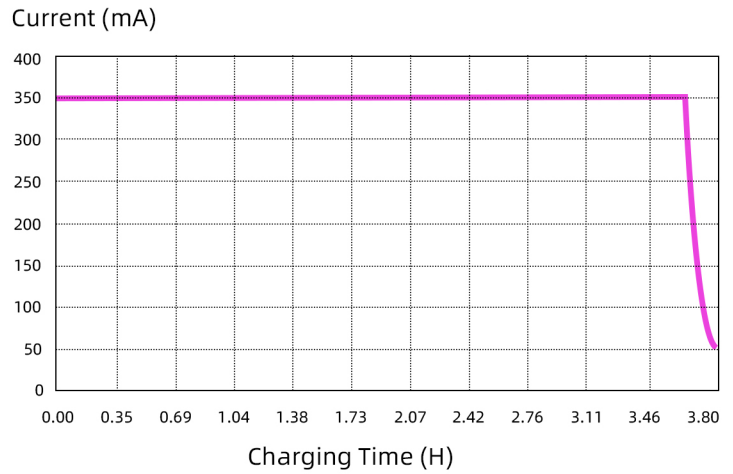
### Charging Current Diagram

By USB-C (Input Power 5V 0.5A)



### Charging Current Diagram

By XTAR L8 charger



## Battery LED Indicator Status Table

Battery Status	LED Indicator Status
In the charging	LED 1HZ flash
Charge complete	LED on
Charge the unconnected battery	LED 8HZ high speed flashing
In discharge	LED off
Low battery voltage during discharge	The LED blinks at 1HZ for 8 times and then turns off
Discharge short circuit, output overcurrent	LED 8HZ high speed flashing

**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.**

©XTAR - All Rights Reserved