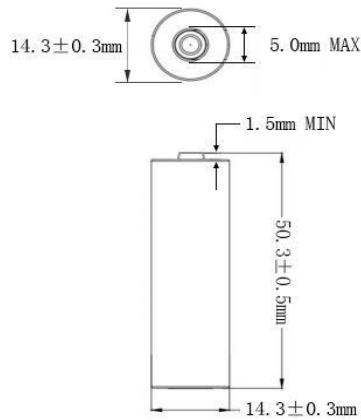


XTAR AA 1.5V 4100 USB-C Rechargeable Li-ion Battery



Standard Dimensions



Specifications

| | |
|-------------------------------|------------------------------|
| Nominal Capacity: | 2450mAh (4100mWh) |
| Nominal Voltage: | 1.5V |
| Voltage at Low Power: | 1.1V |
| Max Discharge Current: | 2A continuous |
| 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 50°C |
| Charging Temp: | 0-45°C |
| Storage Temp: | -20 to 50°C (best at 25±5°C) |
| Net Weight: | 20.5g |
| Size: | Φ14.3±0.3mm×H50.3±0.5mm |

*All data shown tested at 20±5°C unless otherwise stated.

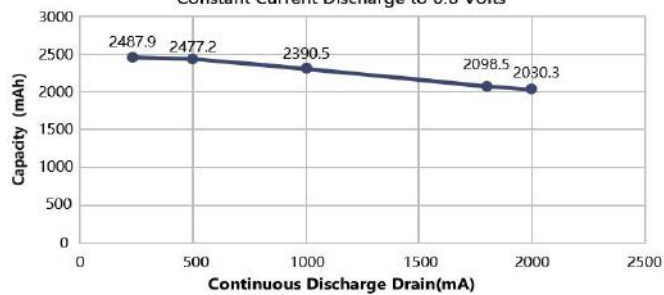
Typical service output (new battery, at 20±5°C)

| Load | Conditions | End Voltage | Time |
|------|---------------|-------------|--------|
| 43Ω | 4 h/d | 1.05V | 63h |
| 24Ω | 15 s/m, 8 h/d | 1.05V | 36h30m |
| 3.9Ω | 1h/d | 1.05V | 6h |

| Name | XTAR AA 1.5V 4100 USB-C Rechargeable Li-ion Battery | | | | | |
|-------------------------|---|--------|--------|--------|--------|--------|
| Test Condition | Tests are carried out under the temperature of 20±5°C | | | | | |
| Test Current(mA) | 250 | 400 | 500 | 1000 | 1800 | 2000 |
| Measured Capacity (mAh) | 2487.9 | 2406.3 | 2477.2 | 2390.5 | 2098.5 | 2030.3 |
| Energy (mWh) | 4146.4 | 4010.4 | 4128.6 | 3984.2 | 3497.5 | 3383.9 |

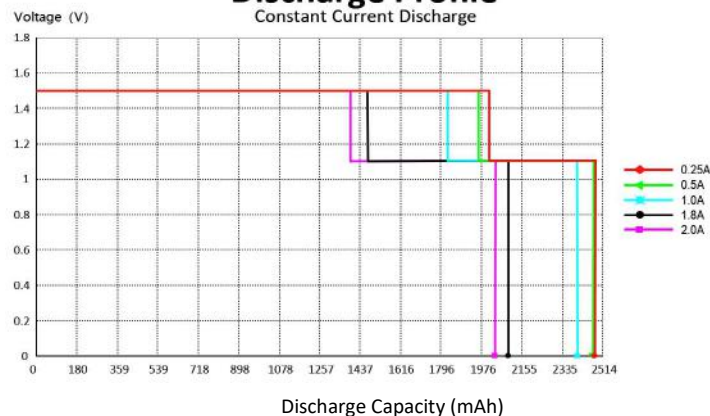
Milliamp-Hours Capacity

Constant Current Discharge to 0.8 Volts



Discharge Profile

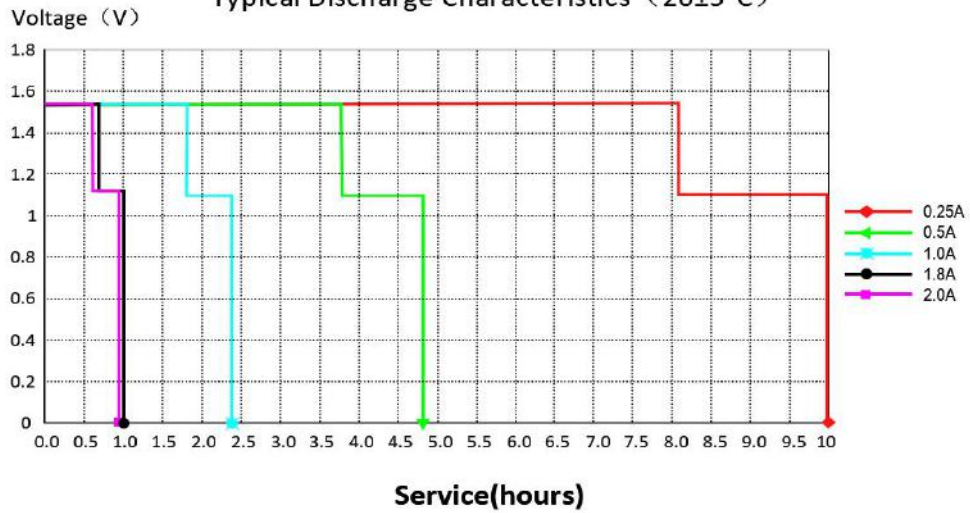
Constant Current Discharge



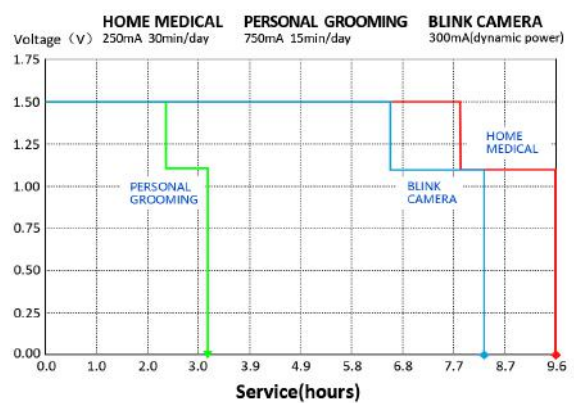
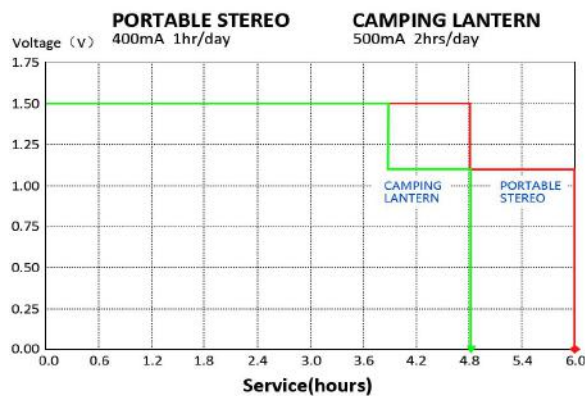
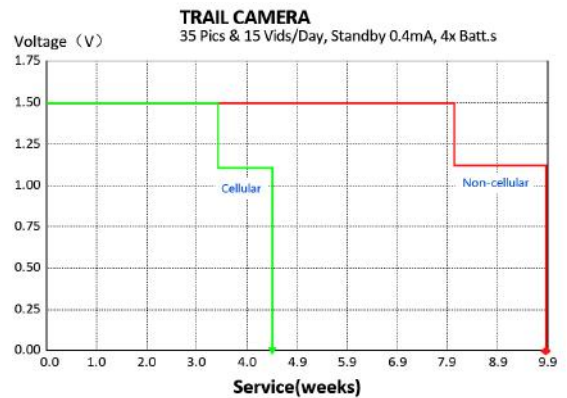
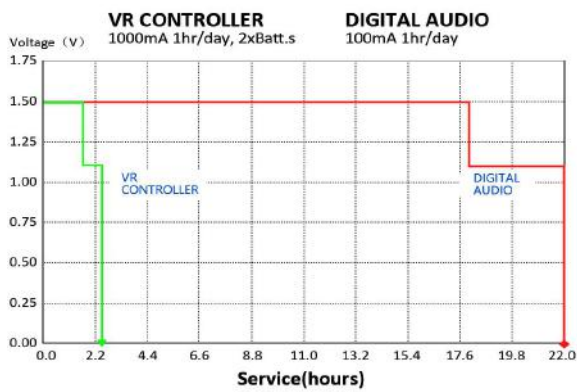
Discharge Capacity (mAh)

Constant Output Performance

Typical Discharge Characteristics (20±5°C)

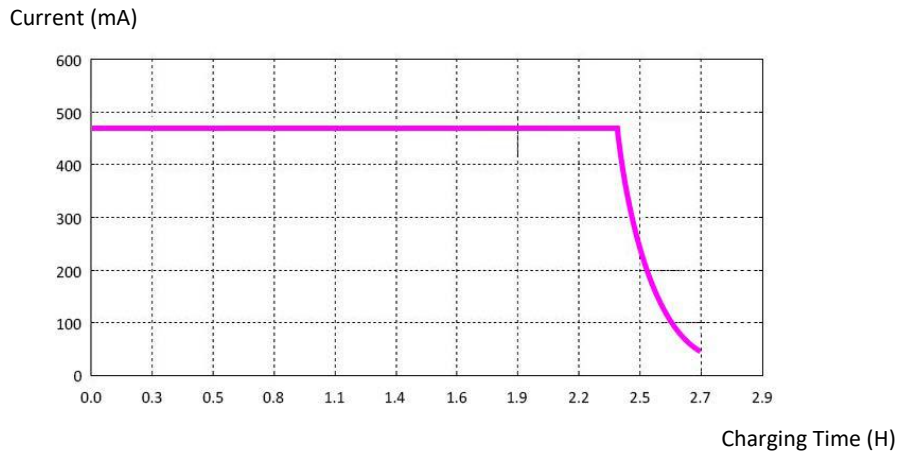


Application Tests



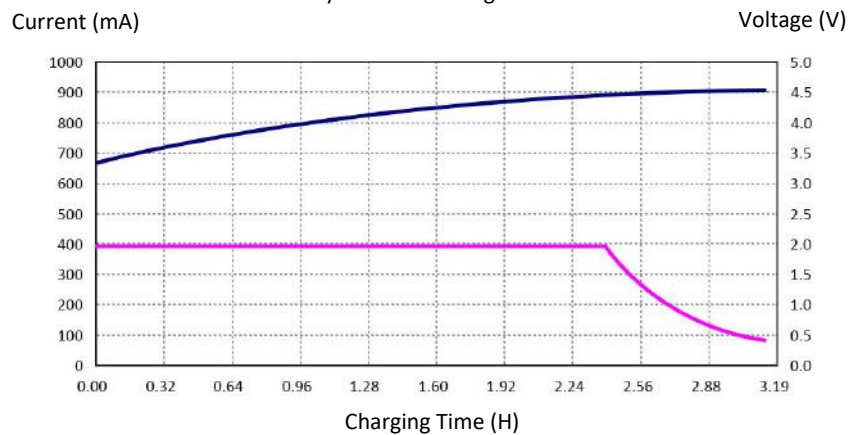
Charging Current Diagram

By USB-C (Input Power 5V 2A)



Charging Current Diagram

By XTAR VX4 charger



Battery LED Indicator Status Table

| Battery Status | LED Indicator Status |
|-------------------------|--|
| In the charging | 1HZ flash |
| Charge complete | LED on |
| No battery | High flash |
| In the discharging | LED off |
| Discharge short circuit | 10HZ high flash |
| Discharge low voltage | Blink at 1HZ for eight times, and then 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 XTAR matching data cable or 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.

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