

XTAR®

Quality and Innovation

PRODUCTS CATALOGUE

Battery • Charger • Flashlight



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Shenzhen XTAR Electronics Co., Ltd

Address: 4th-5th Floor, No.77 Xinhe Rd, Shangmugu, Pinghu Area, Longgang District, Shenzhen, Guangdong, China 518111

Website :www.xtar.cc Email: info@xtar.cc Tel/Fax: (+86)755-25507076



20 Years of Excellence in Battery and Charger Technology



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CE EAC CB



RoHS MSDS UN38.3

TECHNOLOGY INNOVATION

WP6/ Protected 18650
2010.08



The first 6-slot charger with CC/CV charging method. The first 18650 battery with protection circuit.

D01
2010



The first flashlight with a magnetic slide switch, enabling more convenient one-hand operation. This innovation led to a successful patent.

VP1
2013.01



The first LCD screen charger, accurately displays battery voltage, selected charging current, and charging status, with selectable current of 0.25A/0.5A/1.0A.

MC1
2013.12



The first charger with micro-USB input port, compatible with 10440-26650 batteries, featuring a single-slot design for portability.

D26
2013



The first D26 dive light. The D26 series has been a top seller for thirteen years. During our 2024 visit to the Maldives, we found that the D26 enjoys widespread acclaim, with nearly every person owning one, and some even having three to four.

VC2
2014.10



The first LCD screen charger displaying charging current, voltage, and real-time charged volume, helps you know the battery charging status more clearly.

VC4
2015.01



The first charger to display charging status for both Li-ion and NiMH batteries, compatible with 32650 and C/D batteries.

DRAGON VP4 Plus
2016.09



The first charger that can charge 11.1V battery packs and has USB output function, accurately testing battery voltage and internal resistance like a multimeter.

D06
2016



The D06 flashlight series with a patented magnetic slide switch, enabling more convenient one-hand operation.

Over 4 Slim
2017



The first 2-slot fast charger with max current of 4.1A×2. Auto-detects the battery IR and temperature, providing overheating protection.

PB2
2018.04



The first portable charger with power bank function.

VC8
2019.11



The first 8-slot charger with QC3.0 fast charging, auto match charging current.

1.5V AA Li-ion 3300mWh
2020.04



The first rechargeable AA lithium battery with constant power output. Compared to regular NiMH batteries, this battery offers faster charge, stabler power, longer cycle life, and no memory effect.

1.5V AA Li-ion 2700mWh
2022.06



The first battery with low voltage detection to timely reminder of low-battery.

L4
2023.08



Adopts the unique CVSA tech for NiMH battery charging, enabling faster charging, higher accuracy of full-charge detection, and lower battery temperatures.

1.5V AA Li-ion 4150mWh
2023.08



The highest real capacity in the field. It can achieve constant high power output of 1.5V 2A, and can be fully charged in 2.9 hours.

MX4
2023.12



The first all-in-one charger, widely compatible with 1.5V Li-ion, 3.6/3.7V Li-ion, 1.2V NiMH and 3.2V LiFePO4 batteries.

VX4 Visible Mixer
2024.06



The first charger to test the capacity of rechargeable 1.5V Li-ion batteries, widely compatible with 1.5V Li-ion, 3.6/3.7V Li-ion, 1.2V NiMH and 3.2V LiFePO4 batteries.

1.5V AA Li-ion 4100mWh USB-C
2024.12.31



The first USB-C battery to be charged directly.



AA 1.5V 3960
For home, office, and outdoor devices.

- Touch to Check Power
- 1.5V 3A Constant Power
- 2500mAh High Capacity



AA 1.5V LR 3000mAh USB-C
For smart home and audio visual equipment.

- 3000mAh High Capacity
- 3.9 hours Fast Charge
- No Leaks & No Corrosion



AA 1.5V CLR 4300
For trail camera, smart lock.

- 2700mAh Highest Capacity
- 1.5V Constant Power
- Timely Alerts High for Low Battery



L8 BOX

- Charge & Store
- 8 Independent Slots
- Compatible with AA/AAA



VX2 PRO

- Broad Compatibility of Batteries
- 2 Independent Slots, Two Modes
- Multiple professional functions



VX4 V2

- For 1.5V/3.6V/3.7V Li-ion & 1.2V NiMH & 3.2V LiFePO4
- The first charger to test the capacity of 1.5V Li-ion battery



AA 4100mAh USB-C
For trail camera, VR controller.

- Market-leading capacity
- USB-C direct charging
- 2.7hrs fast charge
- Low voltage detection



AA 1.5V Li-ion 4150mAh (2500mAh)
For smart door lock, VR controller.

- The highest capacity in the field
- 1.5V 2A constant output
- 2.9hrs fast charge



16340 850mAh 2.5A

- Genuine high capacity
- 800 + cycle life
- 2.5A max continuous discharge



L4 Pro

- Mix-charging 1.5V Li-ion and 1.2V NiMH
- Discharge/Refresh function
- Charges fully, Never overheats



VC25L

- Auto match optimal charging current (2A x 1/1A x 2/0.5A x 2)
- Display real-time of charged volume, charging current, internal resistance, etc
- Compatible with 10440-26650/protected 20700&21700



VC48L

- QC3.0 fast charge, max 3A x 1
- Display real-time of charged volume, charging current, internal resistance, etc
- Compatible with 10440-26650/protected 20700&21700/flat-top 32650, AAA/AA/A/SC/C NiMH



16340 900mAh USB-C 2.7A

- Compact Size, Big Power
- Convenient USB-C Charging
- Multiple Protections



18650 4000mAh 10A

- Max Power 4000mAh
- Built in Protection Board
- 600+ Cycle Life



21700 6000mAh 10A

- 6000mAh High Capacity
- Safe Protection Board
- 600+ Cycle Life



PB2SL V2

- Wide Compatibility
- DIY Capacity
- Dual-Port Fast Charge



VC8S

- Real capacity test to distinguish overrated batteries
- Storage voltage adjusting maximizes battery life
- Internal resistance test to know battery performance



DRAGON VP4L Plus

- Analyzer and tester for 3.6/3.7V Li-ion and NiMH, much higher accuracy than others
- Battery voltage and resistance test like a multimeter
- Real capacity test like a small grading machine



NEW

D26 2800

- Max 2800lm
- 450m Max Beam Throw
- 7° Ultra-Narrow Beam



NEW

D40 ZOOM

- Beam Angle 4°~77°
- Max 1600lm Output
- USB-C 21700 Battery



DH1 1600

- High 1600lm to enhance visibility
- 5° spot & 60° flood beam angle, 355m beam throw
- Single-mode, ON/OFF button switch for effortless convenience



D20 Press 1200 MiniSuper

- Ultra-compact, easy to use
- 3hrs long runtime
- Temperature protection, suitable for land and underwater



Whale D26 1100

- Patented press-button side switch
- 1/4" ball mount hole for video-system
- Max 1100lm & 310m beam throw



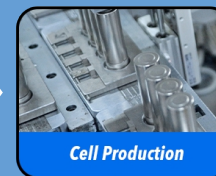
SD1

- 100m depth rating, suitable for land and underwater
- 4 light colors and 8 lighting modes
- Aluminum alloy material for durability

XTAR BATTERY



PCB Production



Cell Production



Cell Appearance Inspection



Grading and Performance Testing



Battery Pack



Cell Inspection

Protection Circuit Board

Protect against overcharging, over-discharging, short circuits, overheating and over-voltage, ensuring safer use and a longer battery life.

Genuine Nominal Capacity

Provide stable real capacity consistent with its nominal rating, ensuring reliable performance and extended device life.

Safety Features

Equipped with an advanced 3-in-1 smart chip and explosion-proof valves to prevent leakage and explosions, delivering enhanced safety and reliability.



1.5V AA/AAA/C Lithium Battery

ADVANTAGE

- ① 1.5V Stable output
- ② High capacity, multiple options
- ③ Stable at -20°C to 60°C
- ④ Long cycle life, no memory effect

1.5V Constant Power Series



AA 4100 USB-C

For trail camera, VR controller.

- Capacity: 2450mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2A
- Cycle Life: ≥1200
- Low-voltage reminder



AA 4150

For smart door lock, VR controller.

- Capacity: 2500mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2A
- Cycle Life: ≥1200
- Low-voltage reminder



AA 3960

For home, office, and outdoor devices.

- Capacity: 2500mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 3A
- Cycle Life: ≥1200
- Low-voltage reminder



AA 3600

For RC car, game controller.

- Capacity: 2200mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 3A
- Cycle Life: ≥1200
- Low-voltage reminder



AA 3300

For toys, electric shaver.

- Capacity: 2000mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2A
- Cycle Life: ≥1000



AAA 1620

For smart lock, blink camera

- Capacity: 1000mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2A
- Cycle Life: ≥1200
- Low-voltage reminder

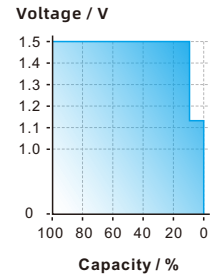


AAA 1200

For kid toy, remote control.

- Capacity: 750mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 1.5A
- Cycle Life: ≥1200

Discharge curve



1.5V Constant & Linear Power Series



AA 1.5V CLR 4300

For trail camera, smart lock.

- Capacity: 2700mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2.5A
- Cycle Life: 1200



AA 1.5V CLR 3300

For trail camera, smart lock.

- Capacity: 2000mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2.5A
- Cycle Life: 1200

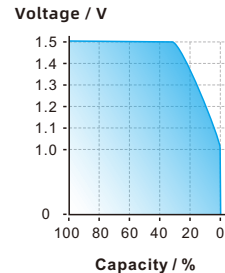


C CLR 7200 USB-C

For Automatic feeder

- Capacity: 4350mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2.5A
- Cycle Life: 1200

Discharge curve



1.5V Linear Power Series



AA 1.5V LR 3000mAh USB-C

For smart home and audio visual equipment.

- Capacity: 3000mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2.5A
- Cycle Life: 1200

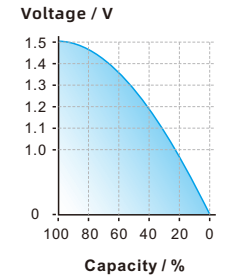


AA 1.5V LR 2000mAh USB-C

For wireless mouse/ keyboard, remote control.

- Capacity: 2000mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2.5A
- Cycle Life: 1200

Discharge curve



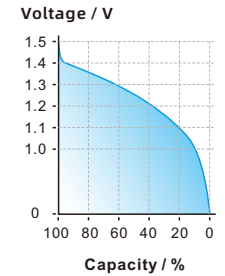
Non-rechargeable Series



AA 3500 Li-ion (Disposable battery)

- Capacity: 3500mAh
- Nominal Voltage: 1.5V
- Max Continuous Discharge: 2.5A
- Non-rechargeable

Discharge curve



3.6/3.7V Li-ion Battery



18650 4000mAh
 · Energy: 14400mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥600



18650 3600mAh
 · Energy: 12960mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥600



18650 3500mAh
 · Energy: 12600mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥600



18650 3500mAh
 · Energy: 12600mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥600



21700 6000mAh
 · Energy: 21600mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥600



21700HP 5000mAh
 · Energy: 18000mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 25A
 · Cycle Life: ≥500



21700 50E 5000mAh
 · Energy: 18000mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥500



21700 5000mAh USB-C
 · Energy: 18000mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥800



18650 3500mAh USB-C
 Energy: 12600mWh
 Nominal Voltage: 3.6V
 Max Current (Discharge): 10A
 Cycle Life: ≥500



18650 3300mAh
 · Energy: 11800mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥500



18650 2600mAh
 · Energy: 9620mWh
 · Nominal Voltage: 3.7V
 · Max Current (Discharge): 4.5A
 · Cycle Life: ≥300



14500 1200mAh
 · Energy: 4320mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 2.5A
 · Cycle Life: ≥500



26650 7000mAh
 · Energy: 25200mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥500



26650 5200mAh
 · Energy: 18720mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥500



AA 2600mAh Ni-MH Battery
 · Energy: 3120mWh
 · Nominal Voltage: 1.2V
 · Max Current (Discharge): 1.3A
 · Cycle Life: ≥500



AAA 1000mAh NiMH Battery
 · Energy: 1200mWh
 · Nominal Voltage: 1.2V
 · Max Current (Discharge): 0.5A
 · Cycle Life: ≥500

1.2V AA/AAA Ni-MH Battery



14500 800mAh
 · Energy: 2960mWh
 · Nominal Voltage: 3.7V
 · Max Current (Discharge): 0.45A
 · Cycle Life: ≥500



16340 850mAh
 · Energy: 3060mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 2.55A
 · Cycle Life: ≥800



16340 900mAh USB-C
 · Energy: 3240mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 2700mA
 · Cycle Life: ≥500



CR123A 1400mAh
 · Energy: 4200mWh
 · Nominal Voltage: 3.0V
 · Disposable / Non-Rechargeable



21700HP 5000mAh Raw
 · Energy: 18000mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 35A
 · Cycle Life: ≥500



21700 5000mAh Raw
 · Energy: 18000mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 15A
 · Cycle Life: ≥500



18650 4000mAh Raw
 · Energy: 14400mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥500



18650 3500mAh Raw
 · Energy: 12600mWh
 · Nominal Voltage: 3.6V
 · Max Current (Discharge): 10A
 · Cycle Life: ≥500

Rechargeable Li-ion Battery Cell

XTAR CHARGER

CVSA Tech

A new unique algorithm for the charging of NiMH batteries innovated in 2023. It enables higher accuracy of full-charge detection, lower battery temperature, faster charging, and extended battery life.

Three-Stage Charging Method

The TC-CC-CV charging method for Li-ion batteries resolves issues of battery overheating and incomplete charging, significantly enhancing charging safety and reliability. It first came out in 2009 for our WP6.

Over-Discharged Battery Activation

The innovation of low-voltage activation can revive most of the over-discharged Li-ion batteries, energy and money saving. It was first used on our WP2II in 2011.

Manually Selectable Charging Currents

Customize the charging current to fit any device and scenario.

Auto Match Charging Current

Prevent overcharging and extend your battery's life.

LCD Screen

Clearly see your charging status (voltage, current, progress) at a glance.

Battery Capacity Test

Accurately check capacity for reliable battery use.

CHARGER MANUFACTURING & TESTING PROCESS

99.7% of the excellent product rate comes from our rigorous quality control procedures



For AA/AAA

With unique technology in high accuracy of full-charge detection, AA/AAA charger ensures lower charging temperature, faster and safer charging.



C4-AA

- For XTAR 1.5V AA Batteries
- Built-in Cable
- Lightweight & Portable



L8 BOX

- Charge & Store
- 8 Independent Slots
- Compatible with AA/AAA



L4 Pro

Fresh Battery Every Day!

- Mix-charging 1.5V Li-ion and 1.2V Ni-MH
- Discharge/Refresh function
- Charges fully, Never overheats



LC4

- Specialized for XTAR AA/AAA 1.5V Li-ion batteries with indicator
- USB-C input
- 1.5hrs fast charge



BC4

- Compatible with AA/AAA 1.5V Li-ion and 1.2V Ni-MH batteries
- USB output for rechargeable 1.5V Li-ion, 1.2V NiMH and dry batteries
- LED light for emergency use



L4

- Mix-charging 1.5V Li-ion and 1.2V Ni-MH batteries
- Smart fast charging, auto match optimal charging method
- NiMH:** Unique CVSA tech
- Li-ion:** 3-stage charging method



LC8

- Specialized for XTAR AA/AAA 1.5V Li-ion batteries with indicator
- USB-C input, charging anywhere
- Hollow out design, easy to use
- Over-discharged battery activation



NC8

- Compatible with AA/AAA 1.2V Ni-MH batteries
- USB-C input, charging anywhere
- Hollow out design, easy to use
- High accuracy of full-charge detection



L8

- Mix-charging 1.5V Li-ion and 1.2V Ni-MH batteries
- QC3.0 18W fast charging(0.5A x 8)
- NiMH:** Unique CVSA tech
- Li-ion:** 3-stage charging method

For 3.6/3.7 V Li-ion



MC1 NEW

- Ultra-portable size, compatible with 10440-26650/protected 20700&21700
- Faster charging speed (1A x 1)
- Spend the price of a single battery, save countless over-discharged batteries
- LED displays real-time charging status



ANT MC1 Plus

- Auto match optimal charging current (0.5A/1A)
- LED displays real-time charging status
- High efficiency in over-discharged battery activation



SC1

- Max 2A fast charge, 1.25hrs for a 2600mAh VTC5 battery
- High activation rate for over-discharged batteries
- Easy-to-read LED indicators



MC2 NEW

- Compact size, compatible with 10440-26650/protected 20700&21700
- Faster charging speed (1A x 1/1A x 2)
- Spend the price of a single battery, save countless over-discharged batteries
- LED displays real-time charging status



MC2 Plus

- Minimal design, compatible with 10440-21700 batteries
- Auto match optimal charging current (0.5A/1A)
- Display real-time charging status



SC2

- Minimal design, max 3A fast charge
- Can charge protected 20700/21700 batteries
- QC3.0 fast charge(2A x 2/3A x 1)



PB2SL V2

- Wide Compatibility
- DIY Capacity
- Dual-Port Fast Charge



VC2

- The first USB charger with innovative display of charging status
- For 3.6/3.7V Li-ion
- Display real-time battery voltage
- Display charged volume

For 3.2V LiFePO₄



VX2 PRO

- Broad Compatibility of Batteries
- 2 Independent Slots, Two Modes
- Multiple professional functions



VX4 V2

- The first charger to test the capacity of rechargeable 1.5V Li-ion batteries
- Compatible with 1.5V Li-ion, 3.6/3.7V Li-ion, 1.2V Ni-MH and 3.2V LiFePO₄
- Max 3A fast charge
- Smart charging, capacity test



MX4 Mini Mixer

- Small size, big compatibility
- Compatible with 1.5V Li-ion, 3.6/3.7V Li-ion, 1.2V Ni-MH and 3.2V LiFePO₄
- Smart battery type recognition auto stop after fully charged

For 3.6V Li-ion & 1.5V Li-ion & Ni-MH



VX2 PRO

- Broad Compatibility of Batteries
- 2 Independent Slots, Two Modes
- Multiple professional functions



VX4 V2

- The first charger to test the capacity of rechargeable 1.5V Li-ion batteries
- Compatible with 1.5V Li-ion, 3.6/3.7V Li-ion, 1.2V Ni-MH and 3.2V LiFePO₄
- Max 3A fast charge
- Smart charging, capacity test



MX4 Mini Mixer

- Small size, big compatibility
- Compatible with 1.5V Li-ion, 3.6/3.7V Li-ion, 1.2V Ni-MH and 3.2V LiFePO₄
- Smart battery type recognition auto stop after fully charged



MX8

- Mix Charging Supportive
- LCD Display
- USB-C Port



- MC4S**
- Mix-charging of 3.6/3.7V Li-ion and 1.2V Ni-MH batteries
 - Over-discharged battery activation
 - High accuracy of full-charge detection



- MC6C**
- Compatible with 3.6/3.7V Li-ion and 1.2V Ni-MH batteries
 - High conversion rate and low heat generation, with switched-mode power supply
 - USB-C & DC input, charging anywhere



- FC2**
- Mix-charging 3.6/3.7V Li-ion and 1.2V Ni-MH batteries
 - Selectable charging current (2A/1A/0.5A)
 - Built-in multiple protection



- X2 (Extended Version)**
- For 3.6/3.7V Li-ion & 1.2V Ni-MH batteries
 - Selectable charging current
 - Dual input ports, charge anywhere



- X4 (Extended Version)**
- USB output for emergency use
 - For 3.6/3.7V Li-ion & 1.2V Ni-MH batteries
 - Selectable charging current
 - Dual input ports, charge anywhere



- DRAGON VP4L PLUS**
- Compatible with 10440-32650, unprotected & protected 20700/21700
 - Analyzer and tester for 3.6/3.7V Li-ion and Ni-MH, much higher accuracy than others
 - Battery voltage and resistance test like a multimeter
 - Real capacity test like a small grading machine



- SC1 Plus**
- USB-C input, max 3A fast charge
 - Auto stop after fully charged, multiple protections
 - 10W portable power bank function



- VC2SL**
- For 3.6/3.7V Li-ion & 1.2V Ni-MH batteries
 - USB-C input, available for protected 21700 batteries
 - Auto match optimal charging current (2A/1A/0.5A)
 - Portable power bank function



- VC4SL**
- For 3.6/3.7V Li-ion & 1.2V Ni-MH batteries
 - USB-C input, available for protected 21700 batteries
 - QC3.0 fast charge, max 3A x 1
 - Real capacity test and storage function



- VC8**
- Charge 8 x 21700 simultaneously
 - Auto match optimal charging current
 - Selectable charging current, max 3A
 - USB-C input, QC 3.0 fast charge



- VC8S**
- Real capacity test, distinguishes overrated batteries
 - Storage voltage adjusting, maximizes battery life
 - Internal resistance test, easy to know battery health



- VC4**
- For 3.6/3.7V Li-ion & 1.2V Ni-MH batteries
 - Display real-time battery voltage
 - Display charged volume

Our diving flashlights are ideal for scuba diving, spearfishing, underwater photography, etc. They provide bright and stable illumination for high visibility and safety.

XTAR FLASHLIGHT

Magnetic Switch

In 2010, we launched a series of innovative magnetic switch flashlights, bringing more convenience in use. D01, the first one-hand operated flashlight on the market, was successfully patented. D08 gained the Red Dot Award for its outstanding design in 2018.

Tail Design

We applies tail waterproof design, head-tail dual switch control and unique circuit design for our flashlights. In 2018, our D36 obtained multiple patents.

Safety & Protection

An reverse polarity protection circuit is applied for flashlight safety. The built-in battery management system makes flashlight automatically adjust the brightness, enhancing battery efficiency. The smart temperature control system ensures flashlight lifespan and safety.



D40 ZOOM
 ·Beam Angle 4°~ 77°
 ·Max 1600lm Output
 ·USB-C 21700 Battery
 ·7.3H Runtime at Strobe Setting



D26 2800
 ·Max 2800lm
 ·7°Ultra-Narrow Beam
 ·Emergency SOS Function
 ·4.5H Runtime at 550lm Setting



SD1
 ·100m depth rating, suitable for land and underwater
 ·4 light colors and 8 lighting modes
 ·Aluminum alloy material for durability



D20 Press 1200 MiniSuper
 ·Ultra-compact, easy to use
 ·3hrs long runtime
 ·Temperature protection, suitable for land and underwater
 ·3 Modes: High-Medium-SOS



DL2 1600
 ·2 in 1: White light & laser
 ·Max 1600lm, Meet various lighting needs
 ·Side switch with a mechanical lock



DL1 Pointer
 ·Essential for diving instructors
 ·2000m beam throw, 32hrs runtime
 ·Useful in multi-scenarios
 ·Easy to use, single-press ON/OFF switch



DS1 1000
Spearfishing torch with higher cost performance
 ·7° spot beam angle, 285m beam throw, high visibility
 ·Cree XP-L2 LED, CCT 5500-6500K
 ·Proper size for a very comfortable, supportive grip



DH1 1600 Hunter
 ·High 1600lm to enhance visibility
 ·5°spot & 60°flood beam angle, 355m beam throw
 ·Single-mode, ON/OFF button switch for effortless convenience



D06 1600
 ·Max 1600lm
 ·430m beam throw
 ·Magnetic side-slide switch
 ·Double layer body for durability



Whale D26 1100

- Patented press-button side switch
- 1/4" ball mount hole for video-system
- Max 1100lm & 310m beam throw



Whale D26 1000 (Warm Light)

- Patented press-button side switch
- 1/4" ball mount hole for easy video-system
- Max 1000lm & 300m beam throw



D26 1600S

- 4 lighting levels, max 1600lm
- 1x18650/26650, 2hrs runtime at Turbo mode
- 5° spot beam angle, max 538m beam throw
- 90° wide beam angle



D26 2500 (Long Type)

- 4 lighting levels
- Runtime: 2.2hrs for Turbo 2500lm, 9hrs for Mid 700lm
- 320m beam throw



D30 1600

Multiple lighting colors for underwater photography

- CRI 95 + restores natural colors
- 130° wide beam angle
- 9 dual-color fill light options
- 2hrs long runtime for Turbo mode



D30 4000

Multiple lighting colors for underwater photography

- CRI 95 + restores natural colors
- 105° wide beam angle
- 9 dual-color fill light options
- 2.5hrs runtime for Turbo mode



D30 6000

Extra-wide beam dive light for underwater photography

- High 6000lm consistent output
- 140° extra-wide beam angle
- CRI > 90, CCT 5000K

Headlamp

Headlamps are widely used in outdoor adventures, hiking, and industrial fields. Compared with handheld flashlights, they make your hands free, more suitable for situations requiring both hands to operate.



H3R 1000

- Magnetic charging cable, dual gold-plated springs
- Ultra-portable size, easy to use
- Low battery reminder

EDC

EDC stands for Every Day Carry. EDC flashlights prioritize portability and functionality to meet different needs.



WK16 550

- Max 125m beam throw
- Metal clip for better fixation
- U-Shaped tail cap to vertical placement



XPK

- Keychain light with selectable 6 colors, 140° beam angle
- Concave switch prevents accidental turn-on

Marine Flood Light



WPL1 10000

- Waterproof from end to end
- DC power supply system with low voltage
- High 10000lm with 95% DC efficiency

Battery Specifications

Battery Type	Model	Capacity	Positive Pole	Max Charge Current	Max Continuous Discharge Current	Charging Voltage	Energy	Dimension (φ x L)mm
1.5V Li-ion	AAA 1200mWh	750mAh	Button-Top	0.28A	1.5A	4.5-5.5V	1200mWh	10.3±0.3 44.5±0.5
	AAA 1620mWh	1000mAh	Button-Top	0.3A	2A	4.75-5.5V	1620mWh	10.3±0.3 44.2±0.5
	AA 2700mWh G	1750mAh	Button-Top	0.5A	2A	4.75-5.5V	2700mWh	14.3±0.3 50.3±0.5
	AA 3300mWh	2000mAh	Button-Top	0.55A	2A	4.5-5.5V	3300mWh	14.5±0.3 50±0.5
	AA 4150mWh	2500mAh	Button-Top	0.5A	2A	4.75-5.5V	4150mWh	14.3±0.3 50.3±0.5
	AA CLR 4300	2700mAh	Button-Top	0.45A	2.5A	4.75-5.5V	4300mWh	14.3±0.3 50.3±0.5
	AA LR 3000mAh USB-C	3000mAh	Button-Top	0.45A	2A	4.75-5.5V	/	14.3±0.3 50.3±0.5
	AA 4100mWh USB-C	2450mAh	Button-Top	0.5A	2A	5V	4100mWh	14.3±0.3 50.3±0.5
	AA 3960	2500mAh	Button-Top	0.5A	3A	4.7-5.7V	/	14.3±0.3 50.3±0.5
	AA LR 2000 USB-C	2000mAh	Button-Top	0.4A	2.5A	4.75-5.5V	/	14.3±0.3 50.3±0.5
	AA CLR 3300	2000mAh	Button-Top	0.5A	2.5A	4.6-5.5V	3300mWh	14.3±0.3 50.3±0.5
	AA 3600	2200mAh	Button-Top	0.4A	2.5A	4.75-5.5V	3600mWh	14.3±0.3 50.3±0.5
C CLR 7200 USB-C	4350mAh	Button-Top	0.7A	2.5A	4.75-5.5V	7200mWh	25.3±0.3 49.5±0.5	
1.2V Ni-MH	AA 2600mAh	2600mAh	Button-Top	/	1.3A	/	3120mWh	13.8-14.5 49-50.5
	AAA 1000mAh	1000mAh	Button-Top	0.5A	0.5A	/	1200mWh	9.8-10.5 43.0-44.5
3.6/3.7V Li-ion	16340 900mAh	900mAh	Button-Top	0.9A	2.7A	4.15-4.25V	3240mWh	16.4±0.3 34.0±0.5
	16340 850mAh	850mAh	Button-Top	0.6A	2.55A	2.5-4.2V	3060mWh	16.4±0.3 34.3±0.5
	14500 800mAh	800mAh	Button-Top	0.56A	1.6A	2.5-4.2V	2960mWh	14.3±0.3 50.5±0.5
	14500 1200mAh	1200mAh	Button-Top	0.84A	10A	4.2±0.03	4320mWh	14.3±0.3 50.5±0.5
	18650 2600mAh	2600mAh	Button-Top	2.5A	4.5A	2.5-4.2V	9620mWh	18.4±0.3 68.8±0.5
	18650 3300mAh	3300mAh	Button-Top	2.3A	10A	2.5-4.2V	11800mWh	18.4±0.3 68.8±0.5
	18650 3500mAh	3500mAh	Button-Top	3.4A	8.9A	2.5-4.2V	12600mWh	18.4±0.3 68.8±0.5
	18650 3500mAh	3500mAh	Button-Top	2.45A	10A	2.5-4.2V	12600mWh	18.4±0.3 69±0.5
	18650 3500mAh USB-C	3500mAh	Flat-Top	1.5A	10A	4.17-4.23V	12600mWh	18.5±0.3 70.3±0.5
	18650 3600mAh	3600mAh	Button-Top	2.5A	10A	2.5-4.2V	12960mWh	18.4±0.3 68.8±0.5
	18650 4000mAh	4000mAh	Button-Top	4A	10A	4.2±0.03V	14400mWh	18.4±0.3 69.2±0.5
	21700 4900mAh	4900mAh	Button-Top	4.9A	10A	2.5-4.2V	17640mWh	21.4±0.3 74.8±0.5
	21700 5000mAh	5000mAh	Button-Top	4.9A	10A	2.5-4.2V	18000mWh	21.5±0.3 74.5±0.5
	21700HP 5000mAh	5000mAh	Button-Top	5A	25A	4.2±0.03V	18000mWh	21.5±0.3 74.5±0.5
	21700 5000mAh USB-C	5000mAh	Flat-Top	5A	10A	4.17-4.23V	18000mWh	21.5±0.3 75±0.5
	21700 6000mAh	6000mAh	Button-Top	4.2A	10A	4.2±0.03V	21600mWh	21.8±0.3 74.8±0.5
26650 5200mAh	5200mAh	Flat-Top	2.5A	10A	2.5-4.2V	18720mWh	26.5±0.3 68.2±0.5	
26650 7000mAh	7000mAh	Button Top	1.5A	10A	4.09-4.11V	25200mWh	26.5±0.3 69.3±0.5	
Non-Rechargeable CR123A	CR123A 1400mAh	1400mAh	Button-Top	/	1.4A	/	4200mWh	17-1 34.5-1
Rechargeable Li-ion Battery Cell	18650 3500mAh Raw	3500mAh	Button Top	0.7A	10A	4.17-4.23V	12600mWh	18.35±0.15 65±0.2
	18650 4000mAh Raw	4000mAh	Flat-Top	2A	10A	4.17-4.23V	14400mWh	18.35±0.15 65.05±0.15
	21700 5000mAh Raw	5000mAh	Flat-Top	2.5A	15A	4.15-4.25V	18000mWh	21.45±0.2 70.65±0.3
	21700HP 5000mAh Raw	5000mAh	Flat-Top	2.5A	35A	4.15-4.25V	18000mWh	21.45±0.2 70.65±0.3

Charger Specifications

Charger Series	Model	Battery Size	Battery Type	Input Power	Charging Current	Cutoff Voltage	USB Output
For AA/AAA	BC4	AAA/AA	1.5V Li-ion 1.2V NiMH	5V 2.1A USB-C	0.5A×4	NiMH: 1.45±0.01V	5V 1A
	L4	AAA/AA	1.5V Li-ion 1.2V NiMH	5V 2.1A USB-C	0.5A×4	NiMH: 1.45±0.01V	/
	L4 Pro	AAA/AA	1.5V Li-ion 1.2V NiMH	5V 2A USB-C	0.5A×4	/	/
	L8	AAA/AA	1.5V Li-ion 1.2V NiMH	QC3.0 (9V/2A) 5V/2A	0.5A×8	NiMH: 1.45±0.01V	/
	LC4	AAA/AA	1.5V Li-ion	5V 2.1A USB-C	0.5A×4	/	/
	LC8	AAA/AA	1.5V Li-ion	5V 3A USB-C	0.5A×8	/	/
	NC8	AAA/AA	1.2V NiMH	5V 2.1A USB-C	0.5A×8	NiMH: 1.45±0.01V	/
	C4-AA	AA	1.5V Li-ion	5V 2A	0.5A×6	/	/
L8 BOX	AAA/AA	1.5V Li-ion 1.2V NiMH	5V 3A USB-C	0.5A×6 0.38A×8	/	/	
For 3.6V Li-ion & 1.5V Li-ion & Ni-MH	MX4	10440-21700 AAA AA A SC Not for protected 20700/21700	1.5V Li-ion 3.6V/3.7V Li-ion 1.2V NiMH 3.2V LiFePO4	5V 2.1A USB-C	1A x 2 0.5A x 4	4.20±0.05V 3.65±0.05V 1.45±0.1V	/
	VX4 V2	10440-32650 AAA AA A SC C D	1.5V Li-ion 3.6V/3.7V Li-ion 1.2V NiMH 3.2V LiFePO4	5V 2A 9V 2A USB-C	3A x 1 2A x 2 1A x 2 0.5A x 4 0.25A x 4	4.20±0.05V 3.65±0.05V 1.45±0.1V	/
	VX2 PRO	10440-21700 AAA AA	1.5V Li-ion 3.6V/3.7V Li-ion 1.2V NiMH 3.2V LiFePO4	PD2.0 (12V 1.67A) QC3.0 (9V 2A) 5V 2A	3Ax1 2Ax2 1Ax2 0.5Ax2 0.25Ax2	3.6/3.7V Li-ion Battery: 4.15-4.25V 1.5V Li-ion Battery: N/A 3.2V LiFePO4: 3.65±0.05V 1.2V NiMH: 1.45±0.1V	/
	MX8	10440-21700 AAA AA	1.5V Li-ion 3.6V/3.7V Li-ion 1.2V NiMH	PD 12V 1.67A QC 9V 2A	3.6/3.7V Li-ion: 1Ax4/0.5Ax8 1.5V Li-ion: 0.5Ax8, 1.2V Ni-MH: 0.5Ax8	3.6/3.7V Li-ion: 4.15-4.25V 1.5V Li-ion: N/A 1.2V Ni-MH: 1.44-1.46V	/
For 3.6/3.7V Li-ion	MC1 New	10440-26650 protected 20700/21700	3.6V/3.7V Li-ion	5V 1A USB-C	1Ax1	4.20±0.05V	/
	ANT MC1 Plus	10440-26650 Not for button-top 32650 Not for protected 20700/21700	3.6V/3.7V Li-ion	5V 1A Micro USB	1Ax1 0.5Ax1	4.20±0.05V	/
	MC2 New	14500-26650 protected 20700/21700	3.6V/3.7V Li-ion	5V 2A USB-C	1Ax1 1Ax2	4.20±0.05V	/
	MC2 Plus	14500-21700 Not for protected 20700/21700	3.6V/3.7V Li-ion	5V 2.1A Micro USB	1Ax2 0.5Ax2	4.20±0.05V	/
	SC1	18650 - 26650	3.6V/3.7V Li-ion	5V 2.1A USB-C	2A x 1	4.20±0.05V	/
	SC2	18650-26650	3.6V/3.7V Li-ion	QC3.0(5V3A / 9V2A/12V1.5A) USB-C	3A x1 2A x 2	4.20±0.05V	/
	VC2	10440-26650 Not for protected 20700/21700	3.6V/3.7V Li-ion	5V 1A Micro USB	0.5A x 2	4.20±0.05V	/

Charger Series	Model	Battery Size	Battery Type	Input Power	Charging Current	Cutoff Voltage	USB Output
For 3.6/3.7V Li-ion	PB2SL V2	18650-21700 Protected 21700	3.6V/3.7V Li-ion	PD3.0 & QC3.0 (5V 3A/9V 2A) PD2.0/QC2.0/AFC/ FCP / SCP / PE1.1	2Ax2 2Ax1 1Ax2	USB QC3.0 (5V3A/9V2A/12V 1.5A) QC2.0/AFC/FCP/SCP/PE2.0/ PE1.1/SFCP USB-C PD3.0 & QC3.0 (5V 3A/9V 2A/ 12V 1.5A); SCP (5V 4.5A) PPS/PD2.0/QC4+/QC2.0/ AFC/FCP/PE2.0/PE1.1/SFCP	/
	MX4	10440-21700 AAA AA A SC Not for protected 20700/21700	1.5V Li-ion 3.6V/3.7V Li-ion 1.2V NiMH 3.2V LiFePO4	5V 2.1A USB-C	1A x 2 0.5A x 4	4.20±0.05V 3.65±0.05V 1.45±0.1V	/
	VX4 V2	10440-32650 AAA AA A SC C D	1.5V Li-ion 3.6V/3.7V Li-ion 1.2V NiMH 3.2V LiFePO4	5V 2A 9V 2A USB-C	3A x 1 2A x 2 1A x 2 0.5A x 4 0.25A x 4	4.20±0.05V 3.65±0.05V 1.45±0.1V	/
For 3.2V LiFeO4	VX2 PRO	10440-21700 AAA AA	1.5V Li-ion 3.6V/3.7V Li-ion 1.2V NiMH 3.2V LiFePO4	PD2.0 (12V 1.67A) QC3.0 (9V 2A) 5V 2A	3Ax1 2Ax2 1Ax2 0.5Ax2 0.25Ax2	3.6/3.7V Li-ion Battery: 4.15-4.25V 1.5V Li-ion Battery: N/A 3.2V LiFePO4: 3.65±0.05V 1.2V NiMH: 1.45±0.1V	/
	VC4	10440-32650 AAAA AAA AA A SC C Not for protected 20700/21700	3.6V/3.7V Li-ion 1.2V NiMH	5V 2.1A DC	1A x 2 0.5A x 4	4.20±0.05V 1.45±0.1V	/
	VC4SL	10440-32650 Not for button-top 32650 AAAA AAA AA A SC C	3.6V/3.7V Li-ion 1.2V NiMH 3.2V LiFePO4	QC3.0 (5V3A 9V2A) USB-C	3A x 1 2A x 2 1A x 4 0.5A x 4 0.25A x 4	4.20±0.05V 1.45±0.1V	/
	VC8	10440-26650 AAAA AAA AA A SC C	3.6V/3.7V Li-ion 1.2V NiMH 3.2V LiFePO4	QC3.0 (5V3A / 9V2A) USB-C	3A x 1 2A x 2 1A x 4 0.5A x 8	4.20±0.05V 1.45±0.10V	/
	VC8S	10440-26650 AAA AA A SC C	3.6V/3.7V Li-ion 1.2V NiMH 3.2V LiFePO4	PD3.0(15V 3A) QC3.0 (9V2A/ 5V2A) USB-C	3A x 2 2A x 4 1A x 8 0.5A x 8 0.25A x 8	4.20±0.05V	/
For 3.6/3.7V Li-ion & Ni-MH	VP4L Plus	10440-32650 AAAA AAA AA A SC C D	3.6V/3.7V Li-ion 1.2V NiMH	12V 3A DC	2A x 2 1A x 4 0.5A x 4	4.20±0.05V 1.45±0.10V	/
	X2	14500-26650 AAAA AAA AA A SC C	3.6V/3.7V Li-ion 1.2V NiMH	100-240v 50-60Hz 0.4A & DC 5V 2.1A (Micro USB)	2A x 1 1A x 2 0.5A x 2	4.20±0.05V 1.45±0.10V	/
	X4	14500-26650 AAAA AAA AA A SC C	3.6V/3.7V Li-ion 1.2V NiMH	100-240v 50-60Hz 0.8A &DC 5V 2.1A (Micro USB)	2A x 2 1A x 4 0.5A x 4	4.20±0.05V 1.45±0.10V	5V1A

Charger Series	Model	Battery Size	Battery Type	Input Power	Charging Current	Cutoff Voltage	USB Output
	VC2SL	10440-26650 AAAA AAA AA A SC C	3.6V/3.7V Li-ion 1.2V NiMH	5V 2.1A USB-C	2A x 1 1A x 2 0.5A x 2	4.20±0.05V 1.45±0.1V	/
	FC2	10440-26650 AAAA AAA AA A SC C	3.6V/3.7V Li-ion 1.2V NiMH	5V 2.1A USB-C	2A x 1 1A x 2 0.5A x 2	4.20±0.05V	/
	SC1 Plus	18650-26800 D	3.6V/3.7V Li-ion 1.2V NiMH	5V 3A USB-C	3A x 1 2A x 1	4.20±0.05V 1.45±0.1V	5V 2A
	MC4S	10440-26650 AAAA AAA AA A SC C	3.6V/3.7V Li-ion 1.2V NiMH	5V 2.1A USB-C	1A x 2 0.5A x 4	4.20±0.05V 1.45±0.1V	/
	MC6C	10440-32650 AAA AA A SC C Not for protected 20700/21700 Not for button-top 32650	3.6V/3.7V Li-ion 1.2V NiMH	5V 3A USB-C & DC	1A x 3 0.5A x 6	4.20±0.05V	/

Flashlight Specifications

Flashlight	Model	Lumen	Mode	Max Runtime	Power	Spot Beam Angle	Corona Beam Angle	Flood Beam Angle	Dimension(Head x Outer Tube x Length)mm	Net Weight	Battery
	SD1	25lm ↔ 10lm	8	8h	/	/	/	/	23x66	27g	1xCR123A/ 16340
	D20 Press 1200	1200lm ↔ 600lm	3	7.5h	/	15°	39°	60°	24.5x22x120	65g	1x18650
	DL1	N/A	1	32h	10mW	/	/	/	26.4x22.2x126.5	82g	1x18650
	DL2	1600lm ↔ 600lm	4	5.5h	5mW	6°	/	60°	45x29x168	213g	1x21700
	DS1 1000	1000lm ↔ 20lm	/	50h	/	7°	40°	72°	45x29x159	188g	1x21700
	DH1 1600	1600lm ↔ 200lm	1	2.5h	/	5°	30°	60°	45x29x168	213g	1x21700
	D06 1600	1600lm ↔ 10lm	/	75h	12.5W	5°	36°	68°	45x29x152	185.5g	1x18650/ 2xCR123A/ 2x16340
	D26 1100	1100lm ↔ 60lm	4	48h	10W	5°	30°	60°	46x33x155	248g	1x18650/ 18700/26650
	D26W 1000	1000lm ↔ 60lm	4	48h	10W	5°	30°	60°	46x33x155	248g	1x18650/ 18700/26650

Flashlight	Model	Lumen	Mode	Max Runtime	Power	Spot Beam Angle	Corona Beam Angle	Flood Beam Angle	Dimension(Head x Outer Tube x Length)mm	Net Weight	Battery
	D26 1600S	1600lm ↔ 60lm	4	86h	17.5W	5°	50°	90°	46x33x156.2	223g	1x18650/26650
	D26 2500 Long Type	2500lm ↔ 30lm	4	72h	/	8°	45°	75°	54x36.5x236.6	445g	2x18650/26650
	D30 1600	1600lm ↔ 6W	9	3.3h	12.5W	/	/	130°	46x33x146	230g	1x18650/18700/ 26650/2x16340/ CR123A
Diving	D30 4000	4000lm ↔ 6W	9	12h	29W	/	/	105°	57.2x59x 56.5x149.8	465g	4x18650
	D30 6000	6000lm	1	45min	/	/	/	140°	62x157	610g	4x18650
	D26 2800	2800lm	3	4.5h	/	7°	/	62°	51x28.4x177	272g	1x21700
	D40 ZOOM	1600lm	3	7.3h	/	4°	/	77°	52x30x194	353.4g	1x21700
Head-lamp	H3R 1000	1000lm ↔ 5lm	6	18d	10W	20°	43°	65°	30x39x49	50g	1x18650/ 2xCR123A/ 2x16340
	WK16	550lm ↔ 10lm	4	13.66h	/	11°	42°	68°	22.6x20.1x 20.5x98	44.3g	1 x AA/14500
EDC	XPK	5lm	1	3h	/	/	/	140°	40.8x32.3x9.3	9g	Button Cell
Marine Flood Light	WPL1 10000	10000lm	1	/	100W	/	/	/	150x235x335	2.5kg	/

Real Feedback From XTAR Customers



XTAR Newest VX2 PRO 6 In 1 the Most Compa...



The Xtar VX2 Pro is one of the best smart chargers you can own. It does everything from charging to testing the capacity so you know if it's about time to replace your battery's. I promise you you can't go wrong with the Xtar VX2 Pro. And I was able to buy two of them for all most the price it would cost me to buy one from anywhere else.



100 Meters Underwater Xtar D26 1100lm Led ...



Great flashlight, this is already the fourth time I've bought this model. The quality and brand both help support my business. As you can see, my clients have had great experiences.



XTAR L8 QC3.0 Super Quick Charge Multiple SI...



This Xtar charger is fantastic—fast charging, fits all my batteries, and built to last. So satisfied!



XTAR 10A Discharge Real Capacity 4000mAh ...



Perfect rechargeable batteries for my lantern! Charge quickly, last through camping nights, safe design, cool black color, arrived super fast—bright and reliable!

Eri***
★★★★★

DEC, 11 2025

I purchased 16 units of the XTAR AA 1.5V CLR 4300 batteries, which will certainly be an excellent upgrade for my trail cameras. Since June 2022, I have been using the XTAR AA 1.5V 3300mAh batteries in my equipment, and I currently have more than 80 of them, all still functioning perfectly without a single issue. I would like to thank XTAR for providing and shipping these batteries to Brazil. Thank you very much.



MR. Ri***
US

I just finished a meeting with our engineer regarding the samples you sent. When placed under a 245mA load, the battery produced the following capacity results: 2014mAh & 3021mWh. He was impressed with the quality and charging times.



Pi***
France

The sales of the beacon started nice, I think everything will be sold before the end of this year, then I could reorder a new batch in September/October.



Do***
Hungary

All I want to say is that your lithium-based rechargeable 1.5V AA cells are superior products, I started to use them two years ago and I am really, really satisfied customer. They work fine, they keep voltage, they have nice supplementary items (different chargers), keep up the good work and the quality!



Morgan .**
France

We are very happy of your product it is a real success! If you have another French contact that wants your product, don't hesitate to bring them to us, I would be very interested to make a bigger order and become your distributor.