

## ALONEFIRE SV56 395nm

# Alonefire SV56 30W UV 395nm LED Rechargeable Flashlight

Model: SV56 395nm | Brand: ALONEFIRE

## 1. INTRODUCTION

Thank you for choosing the Alonefire SV56 30W UV 395nm LED Rechargeable Flashlight. This powerful ultraviolet flashlight is designed for a variety of professional and personal applications, including the detection of invisible stains, verification of currency, identification of minerals, and more. This manual provides essential information for the safe and effective use of your device. Please read it thoroughly before operation and retain it for future reference.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- **High-Quality 395nm UV LED:** Utilizes a six-core 395nm UV LED light source, delivering an impressive 30W power consumption and 4800mW light output for professional applications.
- **Durable Construction:** The housing is made of high-quality aluminum alloy, significantly enhancing its heat dissipation performance for reliable and durable operation.
- **USB Rechargeable:** Includes an MC2 charger with a charging indicator, supports USB charging, and can charge 2 rechargeable batteries simultaneously. Two rechargeable batteries are provided.
- **UV Protection Glasses:** UV400 protective glasses are included and highly recommended for use when operating the flashlight due to its powerful UV output.
- **Multifunctional Applications:** Effective for revealing stains or fluids invisible to the naked eye, detecting counterfeit documents, verifying currency, identifying amber and jewelry, and detecting pet urine and stains.

### 2.2 Components

Familiarize yourself with the main components of your Alonefire SV56 UV Flashlight:



**Figure 1: Exploded View of Flashlight Components.** This image displays the disassembled parts of the Alonefire SV56 UV flashlight, including the brass contactor, non-slip handle, 6x395nm UV LED head, fixed cup, transparent filter lens, powerful heat sink lamp head, and power switch. This illustrates the internal and external structure of the device.



## 6-cores UV LED

**Figure 2: 6-Cores UV LED Head.** A close-up view of the flashlight's head, highlighting the six individual 395nm UV LED cores. This design ensures powerful and concentrated ultraviolet light output.



**Figure 3: Complete Product Kit.** This image shows the entire package contents, including the Alonfire SV56 UV flashlight, UV protection glasses, USB charging cable, and the MC2 dual-slot battery charger. These accessories are essential for the flashlight's operation and user safety.

## 3. SETUP

### 3.1 Battery Installation

1. Unscrew the tail cap of the flashlight.
2. Insert the two provided Lithium-ion rechargeable batteries according to the polarity markings (+/-) inside the battery compartment. Ensure the positive (+) end faces towards the flashlight head.
3. Screw the tail cap back on securely.

### 3.2 Initial Charge

Before first use, it is recommended to fully charge the batteries. Refer to Section 5 for detailed charging instructions.

## 4. OPERATING INSTRUCTIONS

### 4.1 Power On/Off

- To turn the flashlight ON, press the power switch located on the tail cap.
- To turn the flashlight OFF, press the power switch again.

### 4.2 Usage Guidelines

- Always wear the provided UV400 protection glasses when operating the flashlight to protect your eyes from harmful UV radiation.
- Direct the UV light towards the area you wish to inspect. Invisible stains, fluids, or specific materials will fluoresce under the UV light.
- For best results, use the flashlight in a dimly lit or dark environment.



**Figure 4: Flashlight in Hand.** This image demonstrates the ergonomic design and size of the Alonefire SV56 UV flashlight when held, indicating comfortable handling during use.

### 4.3 Applications

The Alonefire SV56 UV flashlight is suitable for a wide range of applications:

- **Pet Stain Detection:** Locate hidden pet urine and other biological stains on carpets, furniture, and floors.
- **Currency and Document Verification:** Identify security features on banknotes, passports, and other official documents.
- **Mineral and Gemstone Identification:** Observe fluorescence in various minerals, amber, and certain gemstones.

- **Scorpion Hunting:** Scorpions glow brightly under UV light, making them easy to spot in dark environments.
- **Resin Curing:** Can be used for small-scale UV resin curing applications.
- **Leak Detection:** Detect automotive fluid leaks when a UV additive is present.



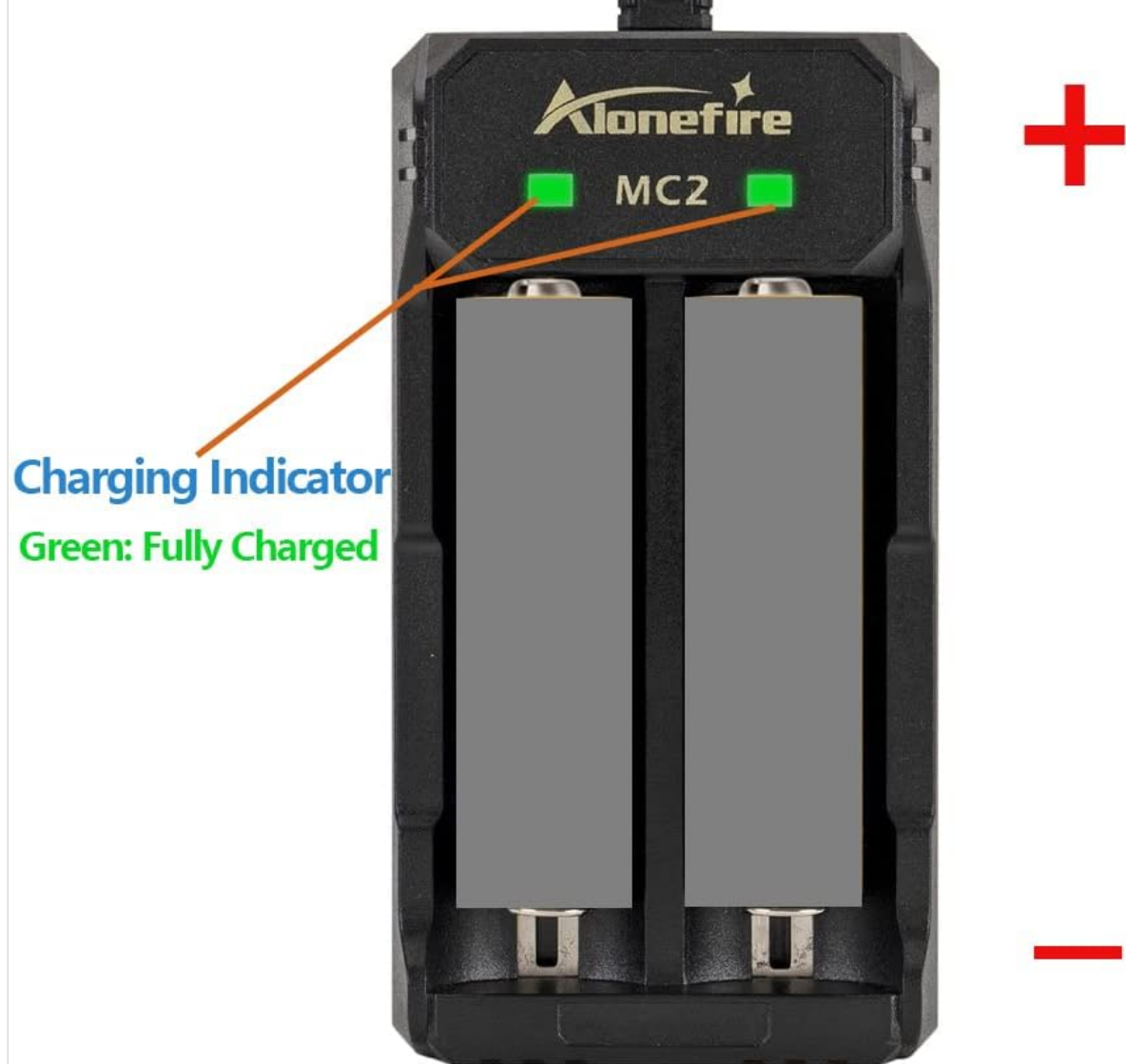
**Figure 5: Diverse Applications.** A collage showcasing various uses of the UV flashlight, including detecting fluorescence in an aquarium, verifying currency, inspecting car interiors, revealing toilet stains, checking passport security features, observing fluorescence in liquids, examining tattoos, finding carpet stains, and locating scorpions. This illustrates the versatility of the product.

## 5. CHARGING INSTRUCTIONS

Your Alonefire SV56 UV flashlight comes with an MC2 dual-slot USB charger and two rechargeable Lithium-ion batteries.

1. Remove the batteries from the flashlight.
2. Insert the batteries into the MC2 charger slots, ensuring correct polarity.
3. Connect the MC2 charger to a USB power source (e.g., computer, wall adapter, power bank) using the provided USB cable.
4. The charging indicator lights on the charger will show the charging status. Typically, a red light indicates charging, and a green light indicates fully charged.
5. Once fully charged, disconnect the charger from the power source and remove the batteries.

## USB Rechargeable



**Figure 6: USB Rechargeable MC2 Charger.** This image displays the MC2 dual-slot battery charger connected via USB, with an arrow pointing to the charging indicator lights. The text indicates that a green light signifies a fully charged battery. This illustrates the battery charging process.

## 6. SAFETY PRECAUTIONS

- **Eye Protection:** Always wear the provided UV400 protection glasses when using the flashlight. Direct exposure to powerful UV light can cause eye damage.
- **Skin Exposure:** Avoid prolonged direct exposure of skin to UV light.
- **Children:** Keep the flashlight out of reach of children. This is not a toy.
- **Heat:** The flashlight head may become warm during extended use due to its powerful output. This is normal.
- **Water Resistance:** This flashlight is NOT waterproof. Avoid exposing it to water or high humidity.
- **Battery Safety:** Use only the recommended Lithium-ion batteries. Do not mix old and new

batteries, or different types of batteries. Do not attempt to disassemble or short-circuit batteries.

## 7. MAINTENANCE

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Lens Care:** Gently clean the lens with a lens cleaning cloth to maintain optimal light output.
- **Storage:** Store the flashlight in a cool, dry place when not in use. For long-term storage, remove the batteries.
- **Battery Life:** Recharge batteries regularly to maintain their lifespan, even if not frequently used.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Dead batteries. Incorrect battery installation. Loose tail cap.	Recharge or replace batteries. Check battery polarity. Tighten tail cap.
Light is dim or flickers.	Low battery charge. Loose connections.	Recharge batteries. Ensure batteries are properly seated and tail cap is tight.
Charger indicator not working.	No power to charger. Batteries not inserted correctly.	Check USB connection and power source. Reinsert batteries, ensuring correct polarity.

## 9. SPECIFICATIONS

Feature	Detail
Brand	ALONEFIRE
Model Number	SV56 395nm
Light Source Type	LED (6 bulbs)
UV Wavelength	395nm
Wattage	30 Watts
Power Source	Battery Powered
Battery Type	2 x Lithium-ion (rechargeable, included)
Special Features	USB Rechargeable, Ultraviolet

Feature	Detail
Material	Aluminum
Color	Black
Water Resistance Level	Not waterproof
Item Shape	Round
Package Dimensions	26.3 x 9.1 x 6.7 cm
Item Weight	440 grams

## 10. WARRANTY AND SUPPORT

Warranty information for this product is not available in the provided data. For support or warranty inquiries, please contact the retailer or manufacturer directly.