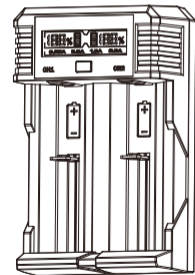




## SV2 Rocket

Li-ion/Ni-MH Fast-charging Charger with LCD

Charger Manual



Shenzhen XTAR Electronics Co., Ltd  
www.xtar.cc

### Introduction

XTAR SV2 - Rocket is the fastest Li-ion/ Ni-MH charger that only costs 1.5hrs to fully charge 2pcs 18650 2500mAh with 2A charging current while also could offer 0.25A charging current to maximize 10440 lifespan.

Rocket applies to:

- Li-ion/IMR/INR/ICR batteries:  
10440 14500 14650 16340 17335 17500  
17670 18350 18490 18500 18650 18700  
22650 25500 26650 32650 (3.6V/3.7V)
- Ni-MH/Ni-CD batteries:  
AAAA AAA AA A SC C D

### Technical Parameter

Input	DC 12V/2.0A
0.25A Constant Current	0.25 A x 2
0.5A Constant Current	0.5 A x 2
1.0A Constant Current	1.0A x 2
2.0A Constant Current	2.0A x 2
Cut-Off Voltage	Li-ion:4.2 V Ni-MH/Ni-CD: 1.45V
Operation Temperature	0-40 °c

### LCD Display Instruction



- Battery Power Icon( ): Shows the battery power and the charging status.
- Battery Power Percentage: Charge ramps up from "0%" to "100%"
- Turn On/Off the LCD Background Light/Display:
  - The full background light on the display will dim after 1 minute if without any operation.
  - Press the switch button to turn the background light/display off or on. A long

press (>1.5 seconds) will turn it off. A press or insert a battery will turn it on again.

### Operation

- Using a standard DC wall adaptor and DC output connector with the charger.
- When power is on, the charger will run self-check. Red indicator is on and LCD screen displays all content. About 1 second, the battery power icon and battery power percentage disappear, charge current stay on 1.0 A gear. At the same time, LED indicator turns to green, then charger gets ready and standby.

- Inserting rechargeable Li-ion/IMR/INR/ICR or Ni-MH/Ni-CD batteries into the slots properly, the corresponding data for the battery power icon and percentage will display. At the same time, the LED indicator turns to red. Assuredly, you can charge Li-ion/Ni-MH batteries at the same time.
- You can press the switch button to choose a suitable charging current set as 1.0A, 2.0A, 0.5A, **press the button twice quickly to get charging current 0.25A.** And the background light on the display will dim after a short time if without any operation. Press the switch button to turn the background light/display off or on, a long press (>1.5seconds) will turn it off, any press will turn it on again.

- Charger will stop charging automatically when batteries are fully charged. Meanwhile, the battery power icons brighten totally, power percentages show 100%, LED indicators turn to green. You can take out the batteries to finish charging.

### Customer Service

Please take the receipt and warranty card to local dealer to get A/S service.

- 15 days free replacement. We will repair or replace a charger within 15 days of purchase if it is afflicted with a manufacturing defect. If the problem calls for a replacement, we will replace the charger with the same model as the one you



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bought. If the model has been discontinued, customers will receive a product with similar or improved performance.

2. 24 months free repair. We offer free repair within 24 months of purchase if problems develop with normal use.

3. Lifetime technical support warranty. If problems develop after 24 months of the purchase date, we will charge for parts. The total repair fee will access according to the cost of the replaced materials. If damage to the charger is grave, XTAR will contact distributors with a quote who should contact the customer to decide whether to exchange the parts or not. Freight should be paid by distributors or customers.

(This warranty is not applicable for artificial damages or damages caused by force majeure.)

### Website & Anti-fake Inquiry

1. Welcome to visit our company website to get more information:  
[www.xtar.cc](http://www.xtar.cc)

2. Follow us on Facebook:

[www.facebook.com/Shenzhen XTAR](http://www.facebook.com/ShenzhenXTAR)

3. Anti-fake inquiry: A group of eighteen-digit number could be gained by scraping the anti-counterfeiting label on our WARRANTY CARD. Then, input it to the corresponding query window in our service column of our official website to distinguish the product's authenticity.

4. Thank you for choosing our excellent products, your satisfaction and feedbacks are essential to our progress.

### Tips

1. How to maximize battery lifespan?  
Shows the battery power and the charging status.

“ **0.25A** ” Gear: battery capacity < 1000mAh

“ **0.5A** ” Gear: 1000mAh ≤ battery capacity < 2000mAh

“ **1.0A** ” Gear: 2000mAh ≤ battery capacity < 4000mAh

“ **2.0A** ” Gear: 4000mAh ≤ battery capacity

Referring to the battery brand's official standard charging current to get more accurate recommend.


2. How to fully charge 2000mA batteries faster?

First charge with 2A charging current, then switch to 0.5A charging current while

batteries are almost full.

3. To lengthen the over-discharged or long time no used battery lifespan, 0.25A charge current is strongly recommended.

### Notice

1. When the charger is standby, inserting a low voltage battery, the charger will detect the battery type intelligently. If the battery can't be detected after 10 minutes, the charger will stop detecting battery. Battery percentage shows 0%, and the battery power icon all show blank(  ). Please check the battery if it is dead.

2. The battery reviving time may vary from battery type, battery capacity and over-discharge condition. Heavily over-discharged batteries may not be able to be revived.

3. The standard input power for this charger is 12 V 2A. Please use input power 2A or above to get full charging speed (max 2A).

4. Keep the charger away from water and excessive dust.

5. Children should use the charger while they are accompanied by an adult.

6. Do not disassemble the charger or operate the charger if it is damaged in any way.

7. The charger has short circuit protection.

Note that the charger can not prevent batteries from internal short-circuiting.

8. Please do not charge the unsuitable batteries, otherwise may damage the batteries and charger.