

VC8 Manual

Introduction

VC8 is XTAR's first 8-slot battery charger. With Type-C input, it supports QC3.0 fast charging and has a max 3A for single slot current. And it has five optional charging currents (3A/2A/1A/0.5A/0.25A). Besides, it has capacity grading and storing functions. The LCD screen shows all-round real-time charging information.

Apply to

3.6V/3.7V Li-ion/IMR/INR/ICR

10440 / 14500 / 14650 / 16340 / 17500 / 17670 / 18350 / 18490 / 18500 / 18650 / 18700 / 20700 / 21700 / 22650 / 25500 / 26650

1.2V Ni-MH/Ni-CD

AAAA / AAA / AA / A / SC / C

Note: Can charge protected 20700/21700 batteries.

Specification

Model	VC8
Input	QC3.0 (5V $\overline{\text{---}}$ 2A / 9V $\overline{\text{---}}$ 2A)
Adjustable Constant Current	3Ax1 / 2Ax2 / 1Ax4 / 0.5Ax8
End-of Charge Voltage	4.20 \pm 0.05V / 1.45 \pm 0.1V
End-of Charge Current	\leq 120mA
Operating Temperature	0-40°C

Operation

I . Charging Function

Connecting power supply and inserting batteries, it will start charging automatically.

II. 0V Activation Function

When batteries are inserted, they will be detected and activated automatically. Batteries that are unable to be

activated will be identified as broken batteries, and the display will show "Err".

III. Button Functions

"Mode" and "Curr." buttons on the left control the slots of CH1 to CH4. "Disp." and "Curr." buttons on the right control the slots of CH5 to CH8. The slots of CH1 to CH8 support battery charging. Meanwhile, the slots of CH1 to CH4 have two more advanced functions, grading function and storing function.

* The charger can test the battery's real capacity by its grading function, so users can know whether the battery capacity is overstated or not. And when there are some batteries that not used for a long time, the user can use VC8's storing function to charge/discharge the batteries to their rated voltage, so as to maximize batteries' lifespan.

1. CH1-CH8

In charging mode,

- ◆ Press "Mode"/"Disp." button to switch the display of Cur(current), Cap(capacity), and IR(internal resistance).
- ◆ Press "Curr." button to switch charging current, 3A/2A/1A/0.5A/0.25A. (It's a cycle switching, which means that the charging current will return to the initial one after a circle.)

2. CH1-CH4

Long press "Mode" button to switch modes among charging mode, grading mode("Grad.") and storing mode("Store").

IV. LCD Display

1. In charging mode,

- If it shows "CAP", after the battery is fully charged, the screen will show "FULL" and capacity recurrently.
- If it shows "CUR", after the battery is fully charged, the screen will show "FULL" and current recurrently.
- If it shows "IR", after the battery is fully charged, the screen will show "FULL" and battery's internal resistance recurrently.

* When the battery is fully charged, the charger doesn't test its internal resistance, in case the battery being overcharged. Neither will the charger does when the adapter input current is less than 700mA.

2. In grading mode, the charger will charge the battery, after fully-charged the battery, it will discharge. And then, the charger will fully charge the battery again.

In the first charging period, the screen shows real-time charging current; when discharging, the screen shows an accumulatively discharged capacity(the discharging current is 300mA); in the second charging period, the screen shows real-time charging current and accumulatively discharged capacity recurrently. When it finished grading, the screen will show "DONE" and graded capacity recurrently.

3. In storing mode, it will charge the batteries with voltage lower than 3.7V/1.2V and discharge the batteries with voltage above 3.7V/1.2V. When it finished storing, the screen shows "DONE" and 3.7V/1.2V.

* In storing mode, VC8 can be used to charge LiFePO4 batteries.

V. Turning on/off brightness

Without any operation in 1 minute, the screen will dim. Long press "Curr." to turn off the backlight, and any operation to turn on.

4) Warranty

Please take the product (with warranty number) and receipt to local dealer to get after-sales service.

- 15 days free replacement.
- 24 months free repair. If problems occur after 24 months, we will offer free repair service but charge for parts replaced. The dealer will inform you the repair fee before repair.
- Lifetime technical support will be offered.

Note:

1. Artificial damage is not included in the warranty.
2. You are recommended to register and login to www.xtar.cc to get the member service.
3. If there is any question, please contact our after-sales email address: service@xtar.cc (for the global market), or serviceus@xtar.cc (for the US market).

5) Anti-Fake

1. Scratch the anti-counterfeiting label on the package to get an 18-digit number.

2. Input the number into the query page on www.xtar.cc (Contact Us - Anti-fake).

6) Warning

1. When the power supply is insufficient, the charger will reduce the charging current correspondingly.
2. Do not charge unsuitable batteries with the charger.
3. Keep the charger away from humidity, water, and excessive dust.
4. Children should use the charger accompanied by an adult.
5. Do not disassemble or use the charger if it is damaged.
6. For more and updated info, please visit www.xtar.cc.