



## Introduction

As a breakthrough innovation, VC2 Plus Master is a smart charger that has countdown timer for each bay showing the time it needs to fully charge the battery. It can recognize, charge, and display both Ni-MH and Li-ion batteries at the same time and you can totally control the charging speed (0.5A/1.0A) as you like. In order to save time, the USB Output with Power-Path Management System enables you to charge both batteries and the external device at the same time while power is connected!

## Master your time

- Countdown timer for each bay showing the time it needs to be fully charged. You can completely master your time and plan ahead.
- Battery power icon and percentage display. You can clearly know the battery power and charging status by ramping up from 0% to 100% when the battery is fully charged. And screen also will display “Full”.
- Red LED indicator turns green.

## Power-Path USB output is more than a power bank function

- Power-Path USB output enables you to charge both batteries and the external device at the same time while power is connected. VC2 Plus Master is more than a charger for your batteries. It also a charger for your device.
- Display the battery power while as a power bank. Clearly know the battery power discharging status and then stop charging external device.

## Take care of your batteries in all aspects

- With Optional charging currents, you can control the charging speed (0.5A/1.0A) as you like. Ensure fast charging while also prolong the battery life.
- Automatically detect battery type and choose the most suitable charging method. Using TC-CC-CV charging for Li-ion battery and pulse charging for Ni-MH/Ni-CD battery. You can mix and charge all kinds of batteries together.
- XTAR Current Buffering Charging Technology protects the batteries from high current impact during the charging process.

## Innovative LCD screen tells you everything you want

- Displays charging current, battery power percentage, countdown timer to fully charge. VC2 Plus Master can intelligently recognize/ display/ charge Ni-MH and Li-ion batteries at the same time.
- If the bad battery can't be activated or charger short circuit happens, screen will display “null”, and if polarity-reverse happens, screen will display “Err”.

- The backlight will automatically get into energy saving mode without any operation. And can be off by pressing the button for 1.5s to save energy and avoid light pollution.

**Bring you great convenience and also save your money**

- XTAR 0V Activation Function can revive “damage” (low voltage) battery to save your money.
- Compatible with any 5V USB power including USB wall adaptors, cell phone chargers, solar panel, PC USB, etc. No need to buy other adaptors. Use 5V 2.1A input power can maximize the advantages of the VC2 Plus.
- Automatically stop charging when complete and restart charging function makes it safe to keep the batteries inside the charger overnight.
- Apply to 10440/14500/14650/16340/17335/17500/17670/18350/18490/18500/18650/18700/22650/25500/26650/32650 3.6V/3.7V Li-ion/IMR/INR/ICR and AAAA/AAA/AA/A/SC/C/D Ni-MH/Ni-CD batteries, no need to buy other chargers for different kinds or sizes of batteries.
- ABS durable fireproof shell with perfect heat dissipation and high temperature resistance, keep the cell temperature impressive low during the charging.

**Specification :**

Input Power	5V DC / 2.1A
Net Weight	115g
Dimensions	L131*W66*H33mm
Operation Temperature	0-40°C
Apply to 10440/14500/14650/16340/17335/17500/17670/18350/18490/18500/18650/18700/22650/25500/26650/32650 3.6V/3.7V Li-ion/IMR/INR/ICR and AAAA/AAA/AA/A/SC/C/D Ni-MH/Ni-CD batteries	

**Lithium batteries charging parameter:**

0.5A Constant Current	500mA
1.0A Constant Current	1000mA
Cut-off Voltage	4.2V±0.05V

**Ni-MH batteries charging parameter:**

0.5A Pulse Charging Current	500mA
1.0A Pulse Charging Current	1000mA
Cut-off voltage	1.40±0.1V

USB output parameter:

USB output no-load Voltage	5.0±0.25V
Max output current	1000mA
Battery over-discharge protection voltage	3.0±0.2V

Notice:

1. Uses a 5V 2.1A wall adaptor to get full charging speed and the Power-Path USB output function.
2. To maximize the battery lifespan, you can follow below tips to choose charging current:  
For AA battery /A battery /SC battery /C cells /D cells, both 0.5A and 1A charging current are excellent.  
For all Li-ion batteries, 0.5A charging current is great. For the Li-ion batteries which capacity is higher than 2500mAh, choose 1A charging current can enjoy a fast speed.





# VC2 Plus MASTER

Master Your Time

No need to buy other chargers for different kinds or sizes of batteries

Apply to almost all batteries

10440	14500	14650	16340
17335	17500	17670	18350
18490	18500	18650	18700
22650	25500	26650	32650

3.6V/3.7V Li-ion/IMR/INR/ICR  
AAAA/AAA/AA/A/SC/C/D  
Ni-MH/Ni-CD batteries



# VC2 Plus MASTER

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Clearly know the charging status

Battery power icon and percentage display



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**Charge both batteries and the external device at the same time while power is connected**

USB Output with Power-Path Management System

( Advantage: Power-Path USB output provides the current for charging the external device that is directly from the adaptor, not from discharging the batteries. Other devices without this function would cause great damage)



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**0.5A**



**1.0A**



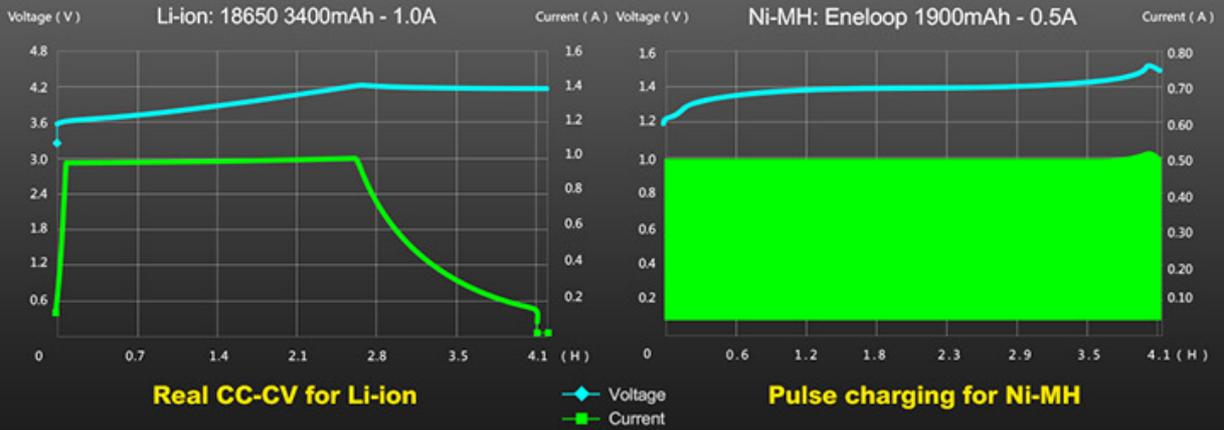
**Control the charging speed by pressing the button to choose 0.5A/1.0A charging current as you like**



# VC2 Plus MASTER

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Detect /display battery type and smartly choose  
the most suitable charging methods



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# VC2 Plus MASTER

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Your Time



## Built-in reverse-polarity and charger short circuit protection

“ n ull ” ( after 10 min ) :

- Put a bad battery in

When charger short circuit happens

“ E r r ” ( Immediately ) :

When polarity-reverse happens



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## No need to buy other adaptors



XTAR VC2 Plus Master compatible with any 5V USB power including USB wall adaptors, cell phone chargers, solar panel, PC USB port etc

(Recommend 5V 2.1A to get full charging speed)



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## Energy conservation and environment protection



The LCD backlight will automatically get into energy saving mode without any operation



You can turn off the screen by pressing 1.5s on the button



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## Master your time

- Countdown timer for each bay showing the time it needs to fully charge
- Battery power icon and percentage display, ramping up from 0% to 100%
- Red LED indicator turns green to remind users

## USB output is more than a power bank function

- Power-Path USB Output can charge batteries and external device at the same time
- USB output battery power discharge icon display

## Take care of your batteries in all aspects

- With optional charging currents (0.5A/1.0A)
- Automatically detect battery type and choose the most suitable charging method
- XTAR Current Buffering Charging Technology avoids high current impact



## VC2 Plus MASTER

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### Innovative LCD screen tells everything you want

- Displays charging current, battery power percentage, countdown timer
- Display “E U II” if bad battery can't be activated or charger short circuit happens, display “E r r” if polarity-reverse happens
- The backlight will auto get into energy saving mode and press the button for 1.5s to turn it off

### Bring you great convenience and also save your money

- XTAR 0V Activation Function can revive “damage” (low voltage) battery
- Compatible with any 5.0V USB power
- Auto stop charging when complete and restart charging function
- Apply to almost all sizes of 3.6V/3.7V Li-ion/IMR/INR/ICR and AAAA/AAA/AA/A/SC/C/D Ni-MH/Ni-CD batteries
- ABS durable fireproof shell with perfect heat dissipation design



## VC2 Plus MASTER

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Your Time

### Inheriting all XTAR other charger features:

- **Revive the “damage” (low voltage) batteries**
- **Prolong battery life with XTAR Current Buffering Charging Technology**
- **Ensure your safety by keeping the cell temperature impressive low during the charging**
- **Peace of mind with automatically stop charging when complete and restart charging function**

▶ [Click here to know more](#)



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Your Time



## Specification:

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0.5A Constant Current	500mA
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Your Time



## Ni-MH batteries charging parameter:

0.5A Pulse Charging Current	500mA
1.0A Pulse Charging Current	1000mA
Cut-off Voltage	1.40 ± 0.1V

## USB output parameter:

USB output no-load Voltage	5.0 ± 0.25V
Max output current	1000mA
Battery over-discharge protection voltage	3.0 ± 0.2V