



Introduction

XTAR VC4 is not only the upgraded version of both VC2 and XP4c chargers, but also the combination of our principle to keep making progress and taking the responsibility for the safety and environment protection. The VC4 can recognize/ display/ charge Ni-MH and Li-ion batteries at the same time and it also displays the charging current, battery voltage and charging capacity. The LCD backlight can be off or automatically into low light mode in 2min to save more energy.

Charger Parameter:

Lithium batteries charging parameter:

Input Power	DC 5.0V 2.1A
0.5A CC Current	500±50m A
1.0A CC Current	1000±80m A
Cut-off Voltage	4.20±0.05V
Operation Temperature	0-40°C

Ni-MH batteries charging parameter:

Input Power	DC 5.0V 2.1A
0.5A Pulse Charging Current	500±50 mA
1.0A Pulse Charging Current	1000±80 mA
Cut-off Voltage	1.45±0.1V
Operation Temperature	0-40°C

Experience the high tech

- Creative LCD screen displays charging current, battery voltage, charging capacity. Moreover, it intelligently recognize/ display/ charge Ni-MH and Li-ion batteries at the same time
- Intelligently identify input power and automatically adjust suitable charging method and charging current from 0.1A to 1.0A and max up to 0.5A*4 / 1.0A*2
- Three stages of charging (TC-CC-CV) can prolong your batteries' life
- Soft start can avoid sudden high current to prolong battery lifespan

●Foreknow the battery life - After discharge your batteries to the cut off voltage and recharge in VC4, if "0000mAh" shows 70% of the nominal capacity which means that your battery life is almost to an end.

Worry-free charging

- Automatically stop charging when complete and restart charging when battery voltage below 3.9V, so you can keep the batteries inside the charger overnight
- 5V DC voltage, within the safety voltage ensures your safety
- Display “null” if the bad battery can't be activated, and Display “Err” when polarity-reverse or charger short circuit happens
- Reverse - polarity and charger short circuit protection
- ABS durable fireproof shell with perfect heat dissipation and high temperature resistance
- Without temperature rising or overheating

Save your money in a long run

- Apply to 10440/14500/14650/16340/17500/17670/18350/18490/18500/18650/18700/22650/25500/26650/32650 3.6V/3.7V Li-ion/IMR/INR/ICR and rechargeable 1.2V AAAA/AAA/AA/A/SC/C/D Ni-MH/Ni-CD batteries, no need to buy many chargers for different sizes and different types of batteries
- Four independent slots, one VC4 equal to four separate chargers
- 0V activation function can rescue your over-discharged batteries. Normally you need to throw away those over-discharged batteries, but with XTAR charger you can rescue them and reuse them.
- Compatible with any USB power including USB wall adaptors, cell phone chargers, solar panel, PC USB etc.
- The backlight will be energy saving mode if without any operation (inserting battery or pressing button) within 2min. And it will be off when pressing the button for 1.5s and be on when pressing it again.

Save your time

- Independent four channels can charge four batteries at the same time
- Know how full your batteries are – Each interval of battery voltage is about 10% of the battery capacity and you can clearly know when your batteries can be fully charged
- Smartly distinguish and display “null” if the bad battery can't be activated – Just spend 10 min to know the status of your batteries
- Smartly notify you – the screen will alternately show "FULL" and charging capacity and LED indicator will change from red to green when your batteries are full.
- Max 0.5A*4 / 1.0A*2 charging current make sure your batteries can be fully and quickly charged

Review: A family charger that everybody can safely use.

A handy charger that can revive sleeping battery.



VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger

► Experience the high tech



Recognize / display / charge Ni-MH and Li-ion batteries at the same time



Soft start technology



Intelligently adjust suitable charging current



Foreknow the battery life



Safety and high efficient charging way - Three stages of charging (TC-CC-CV)

► Worry-free charging



Automatically stop charging and restart charging



ABS durable fireproof shell



5V DC voltage, within the safety voltage



Without temperature rising or overheating



Intelligently identify battery



Reverse - polarity and charger short circuit protection



VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger

► Save your money in a long run



One VC4 equal to four independent chargers



Compatible with any USB power and wall adaptors



0V activation function can rescue your over-discharged batteries



The backlight can be off or low light mode

► Save your time



Can charge different size Li-ion and Ni-MH batteries at the same time



Smartly distinguish bad batteries in 10 min by showing "Null"



Know how full your batteries are



Smartly notify you when your batteries are full



Max 2*1.0A / 4*0.5A charging current - Fast charging





VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger



Can charge
Li-ion & Ni-MH batteries
at the same time!

Apply to
10440/14500/14650/16340/17500
17670/18350/18490/18500/18650
18700/22650/25500/26650/32650
3.6V/3.7V Li-ion/IMR/INR/ICR batteries
& rechargeable 1.2V
AAAA/AAA/AA/A/SC/C/D
Ni-MH/Ni-CD batteries



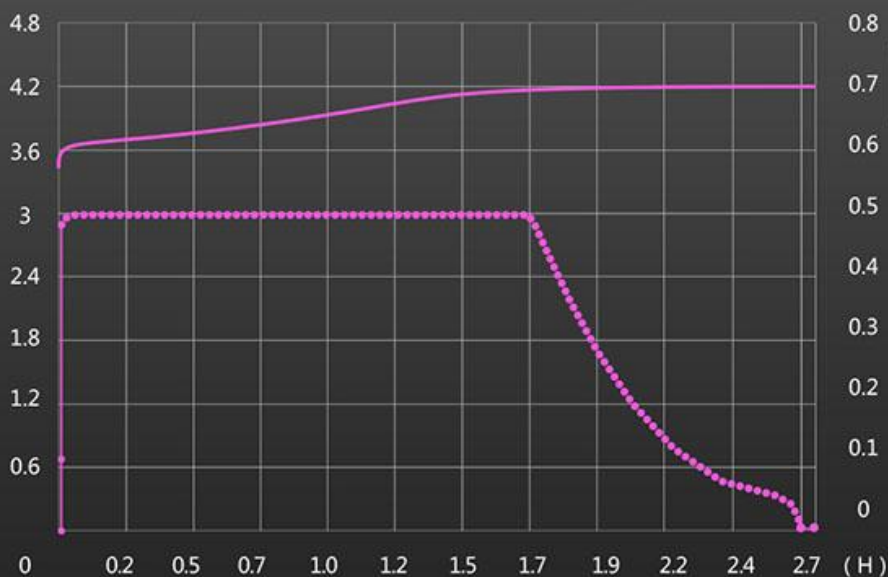
VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger

Voltage (V)

VC4 Charging Curve Chart
(IMR XTAR18500/1100mAh - CH2 - 0.5A)

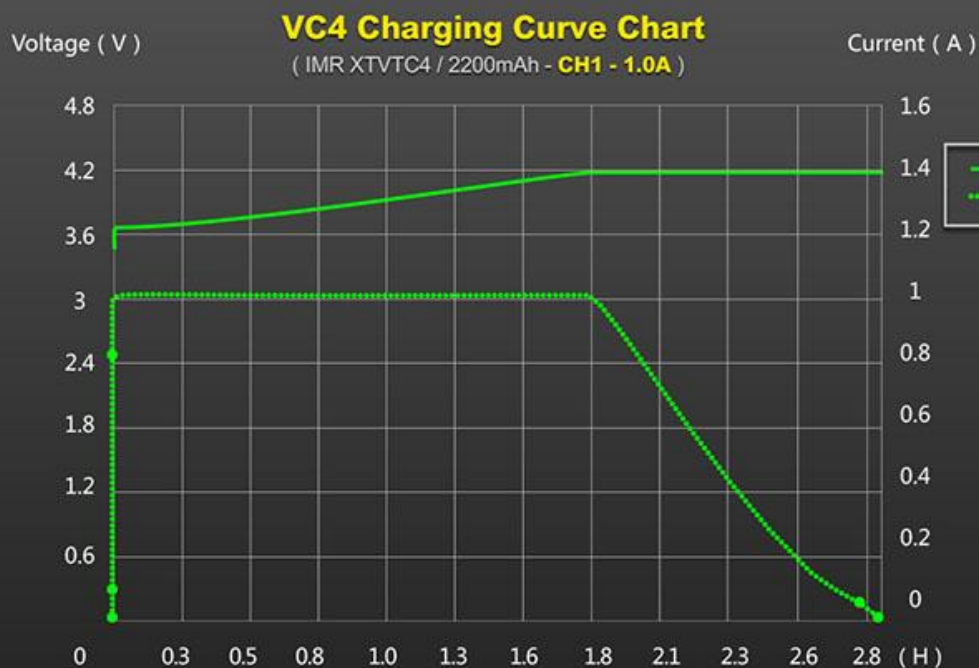
Current (A)





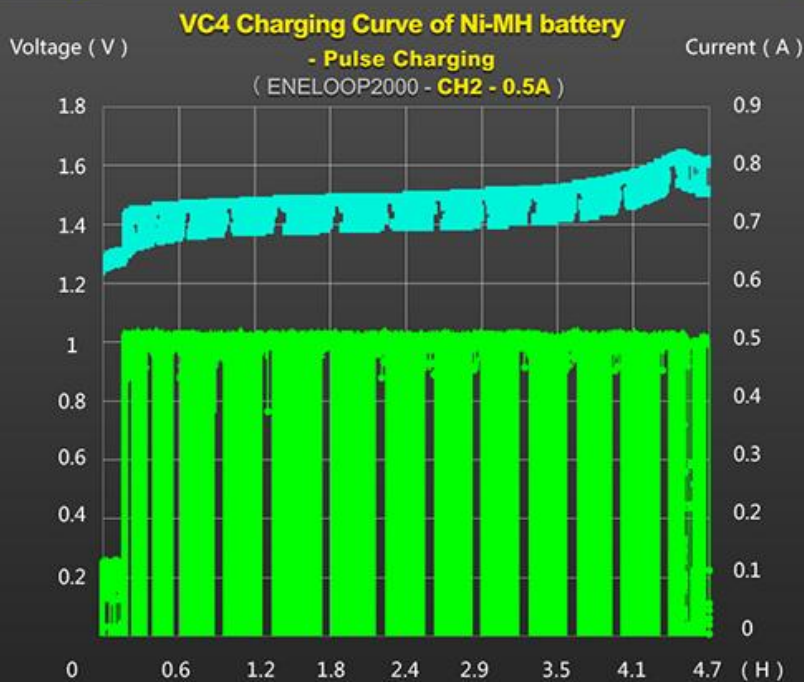
VC4 Charger
Series

Four bays with LCD
Ni-MH/Li-ion battery charger



VC4 Charger
Series

Four bays with LCD
Ni-MH/Li-ion battery charger





VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger

Creative LCD screen
displays battery types (Ni-MH / Li-ion)
and real time charging status



You can easily and clearly know:
Battery type / Charging channel / Charging current
Charging voltage / Charging capacity



VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger



With a CH button, you can

- ▶ Press it to **select displaying** charging channels CH1&CH4 or CH2&CH3 (default CH1 & CH4)

Press it for **1.5s** to turn off LCD backlight
And **press it again** to turn on LCD backlight



VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger

Intelligently Identify Charger Short Circuit & Polarity-Reverse Protection

- Display **“null”** if the bad battery can't be activated

Display **“Err”**
when polarity-reverse happens /
when charger short circuit happens



VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger



Automatically stop charging when complete and restart charging

When battery voltage below 3.9V, so you can
keep the batteries inside the charger overnight



VC4 Charger Series

Using **CH1/CH4** or both **CH1&CH4** charging current for each slot is **1.0A**



Max charging current can be up to **2*1.0A / 4*0.5A** with nominal input power

Moreover, it can automatically adjust suitable charging current from 0.1A to 1.0A with lower input power to protect your charging device

Four bays with LCD
Ni-MH/Li-ion battery charger

Once using the **CH2/CH3** charging current for each slot is **0.5A**



VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger



**Compatible With Any
USB Power & Wall Adaptors**



It's very convenient to use any wall adaptors, computers or power banks, and able to charge anywhere at any time.



VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger



One VC4 = four separate chargers

Four independent slots can charge four
Ni-MH and Li-ion batteries
at the same time, equal to four separate chargers



VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger

**Intelligently recognize and charge
Ni-MH and Li-ion batteries**

**with the most suitable charging method
to maximize battery lifespan**





VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger



0V activation function can rescue your over-discharged batteries

Normally you need to throw away those over-discharged batteries but with XTAR chargers you can rescue them and reuse them



VC4 Charger Series

Four bays with LCD
Ni-MH/Li-ion battery charger

Charge Parameter

Lithium batteries charging parameter:

Input Power	DC 5.0V 2.1A
0.5A CC Current	500 ± 50m A
1.0A CC Current	1000 ± 80m A
Cut-off Voltage	4.20 ± 0.05V
Operation Temperature	0-40 °C

Ni-MH batteries charging parameter:

Input Power	DC 5.0V 2.1A
0.5A Pulse Charging Current	500 ± 50m A
1.0A Pulse Charging Current	1000 ± 80m A
Cut-off Voltage	1.45 ± 0.1V
Operation Temperature	0-40 °C

Net weight: 210 g

Size: 149mm*115mm*35mm

