



## Charge 8x21700 Simultaneously

Apply to 3.6V/3.7V Li-ion/IMR/INR/ICR batteries:

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.

Type-C Powered



## Type-C Powered, QC3.0 3A Fast Charging

Applied the most popular Type-C port,  
compatible with most phone adapters on the market, no more need for another.  
Support QC3.0 fast charging, max 3A for a single slot when the battery resistance is low enough.



## Test Batteries' Real Capacity

In grading mode (for CH1-CH4), the charger tests batteries' real capacity by "charging-discharging-charging" the batteries, so that users can know whether the battery capacity is overstated or not, and also distinguish good-performance batteries with the bad ones.





## Maximize Batteries' Lifespan

The charger can charge or discharge the battery to its rated voltage in storing mode (for CH1-CH4), when the battery is not used for a long time or used for long-distance transportation, so as to maximize the battery lifespan and save energy.

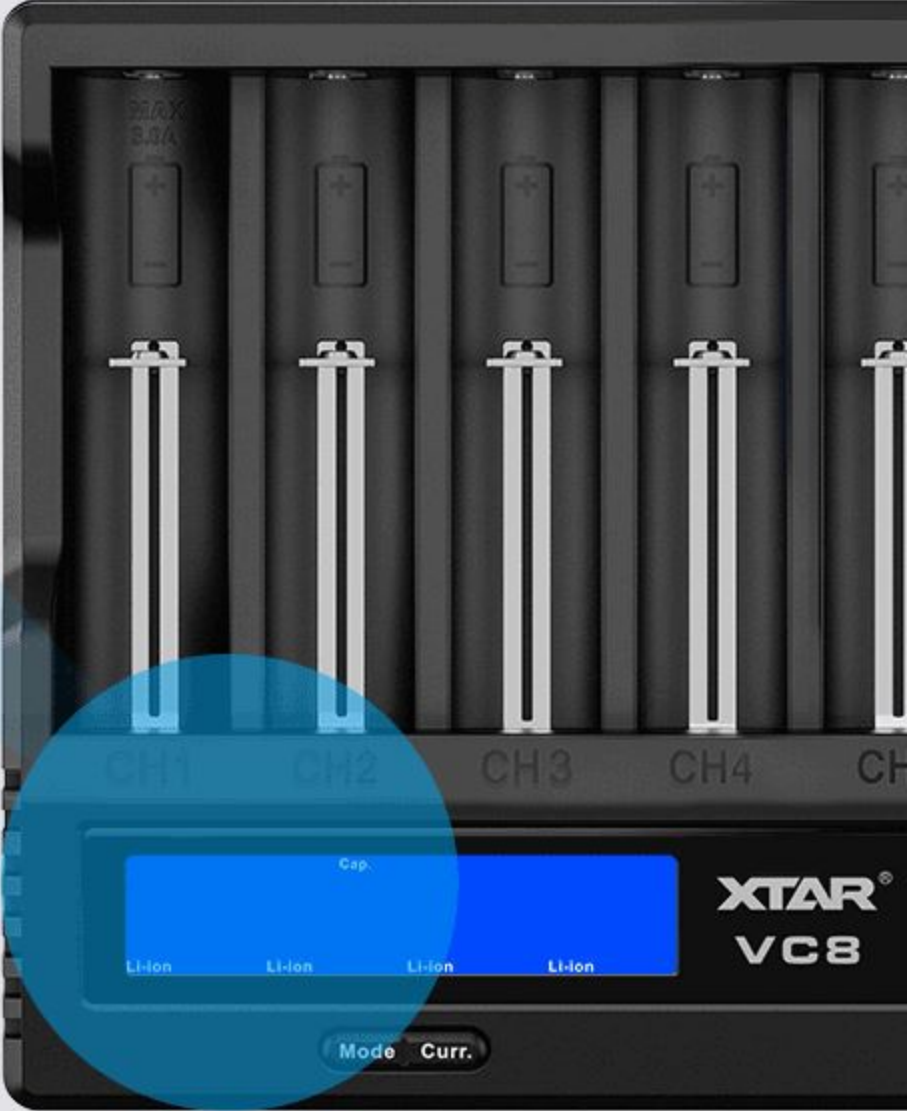
※When the battery voltage is at its rated voltage, its self-discharge rate is the slowest and also most stable.

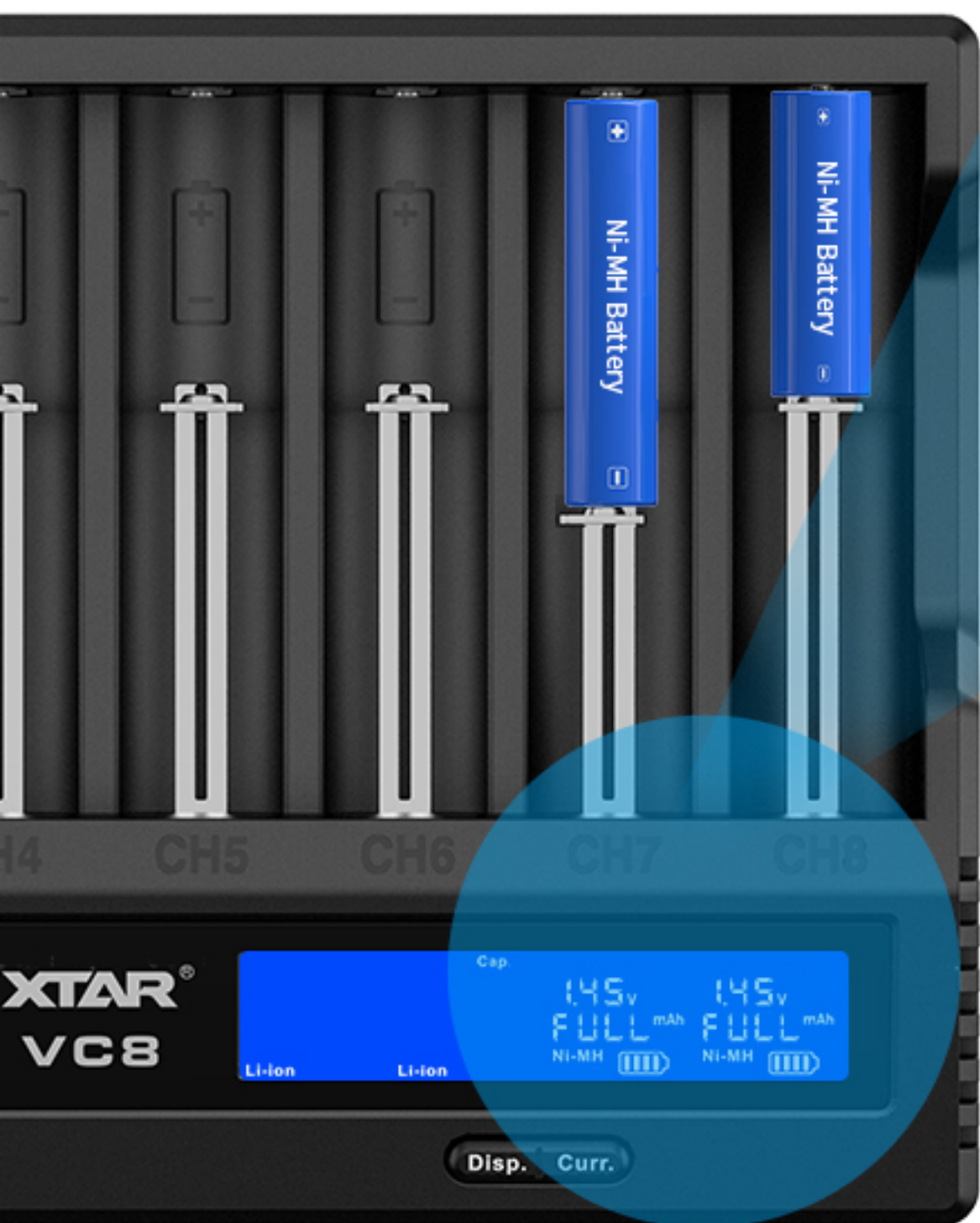




# Detect the Battery Type Select the Best Charging Strategy

After inserting batteries, the charger will automatically identify the battery type, along with battery resistance and input power, to select the most suitable charging method, so that users don't need to select manually.





## 0 $\Delta$ V and - $\Delta$ V Method Precisely Control the Timing for Cease of Charging Ni-MH/ Ni-CD Batteries

According to the charging features of Ni-MH/Ni-CD batteries, VC8 applies high-precision MCU and controls perfect timing for the cease of charging with 0 $\Delta$ V (0 Delta Voltage) and - $\Delta$ V (Minus Delta Voltage) method, to deliver maximum power while maximizing the batteries' lifespan.



# Five Optional Currents for Manual Adjustment

Besides the intelligent charging, the charger also has 5 optional currents (3A/2A/1A/0.5A/0.25A) for users to choose from according to different needs.



## Monitors and Charges each of 8 Slots Independently

Can charge eight batteries simultaneously, save your time and improve the efficiency.





## VA LCD Screen Shows Real-time Charging Status

High-definition VA LCD screen shows batteries' real-time charging status in charging mode, grading and storing mode.

# Multiple Protections Ensure Safe Charging

Built-in high-precision MCU, over-current, over-charge, over-voltage, and short-circuit protection, combined with XTAR's soft-start function, makes the precision of end-of-charge voltage up to  $\pm 1\%$ . The charger will automatically stop charging after fully charged batteries, safe and worry-free.



Over-voltage protection



Over-current protection



Short circuit protection



Over-charge protection



Anti-reverse protection





## Safe Material

Constructed from flame-retardant and fire-resistant ABS materials to extend the charger's lifespan and ensure safety.

# Temperature Monitoring Design



Built-in real-time temperature control protection system makes the battery charging process more stable.



## 0V Activation Revives Over-discharged Batteries



XTAR charger can activate some revivable batteries. Insert the battery and the charger will automatically detect and activate the battery.



# Three-stage Charging Makes Batteries Healthier

Specially-designed TC-CC-CV charging method safely and efficiently charges your batteries.

The charger uses trickle current (TC) to “awake” and protect batteries when the battery voltage is very low.

After the voltage becomes normal, the charger starts constant current (CC) charging and the charging speed is guaranteed with a large current.

When the battery is almost fully charged, the charger starts constant voltage (CV) charging, to make sure the battery is fully charged and less-damaged.

# Worldwide Guarantee High-quality and Peace of Mind



Passed many international safety and quality certifications such as RoHS, CE, FCC, and so on.

Insured worldwide by the People's Insurance Company (Group) of China Limited (PICC).

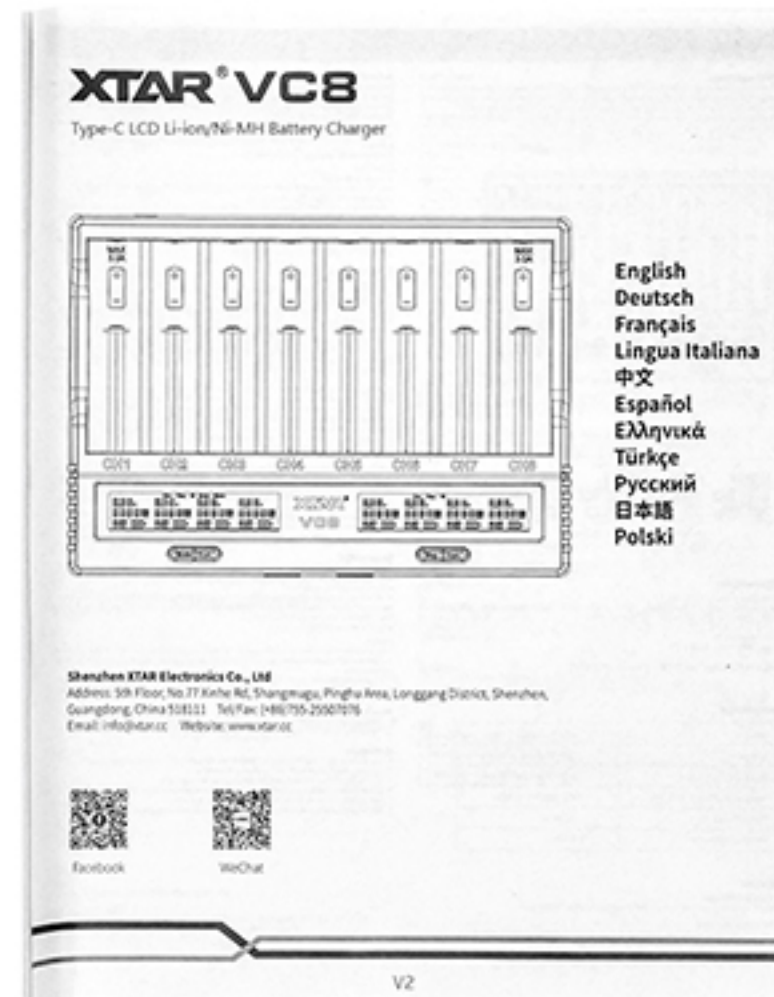
# Specification

Model	VC8
Input	QC3.0 (5V==3A/9V==2A)
Adjustable Constant Current	3A×1/2A×2/1A×4/0.5A×8
End-of Charge Voltage	4.20±0.05V
End-of Charge Current	≤120mA
Operating Temperature	0-40°C
Size	L194xW137xH34mm
Net Weight	350g





# Package



VC8 Charger, USB-A to USB-C Cable, Manual