

User Manual YC6000

Please read the manual care fully before using this charger.

We thank you that you have decided to purchase our intelligent charger.



**Li-ion
NiMH
Ni Cd**

Please follow the safety and care instructions in this manual, to be able to use this device efficiently and safely.

Included in delivery:

- Charger YC6000
- Power supply
- User manual



Important notes:

Use the YC6000 charger only with Li-ion cells with 3.6V-3.7V and Ni-Cd, Ni-MH cells with 1.2V rechargeable batteries.

With the YC6000 you can automatically charge the following types of batteries:

Keep the batteries and charger out of the reach of children.

Battery	How many battery can be charged at the same time?	
1.2V NI-MH/NI-CD	Size:4pcs for AA,AAA	Size:2pes for SC,C, D
3.7V Li-ion battery	Size:4pcs for 18650, 17670, 18490, 17500, 17335, 16340/123A, 14500, 10440	Size:2pcs for 32650, 26650, 16500, 22650

Do not use the charger with other types pf batteries(for example:Alkaline or other Systems).

Use the charger **only** in dry and closed rooms with normal conditions.

If the charger is not in use,we recommend to disconnect the power cable from the socket,During the charging process,you should not leave the charger unattended.

Keep the batteries out of the reach of children.

When new batteries are in use for the first time,it might be required that the batteries need to be charged and discharged several times before they reach their optimum capacity.

The charger must be used on a non flammable base.

Always use the right charging current for each battery.You can look for the right current in the manufacturer specification.

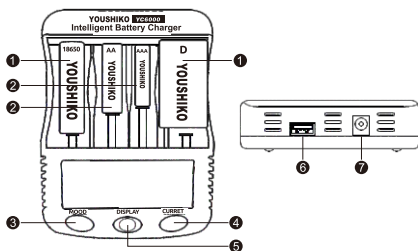
Heat get produced if batteries get charged.It is very important to ensure the charger is placed in an incombustible area (pay attention to carpets, paper, flammable liquids, furniture and so on).

Inputs:

DC12V/3A

Outputs:

Four independent charging slots

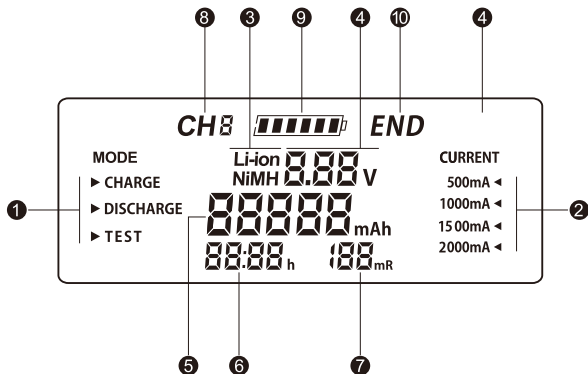


- ① Slot 1 and slot 4 for AA, AAA, C, D size battery and Li-ion battery
- ② Slot 2 and slot 3 for AA, AAA, C size battery and Li-ion battery
- ③ Mode button for selecting charge, discharge and test mode
- ④ Current button for selecting charging current
- ⑤ Display button for selecting different parameters
- ⑥ USB output: 5V/2.1A max(power bank function)
- ⑦ DC input:12V/3A

Buttons:

1. Battery slot select buttons(1,2,3,4)
2. Mode selection button(MODE)
3. Selection of displayed information (DISPLAY)
4. Charging current selection key(CURRENT)

Display:



- 1 Mode display for charge, discharge, test mode
- 2 Current: charging current:
500mA/1000mA/1500mA/2000mA
- 3 Battery type: Li-ion or NI-MH
- 4 Battery voltage in V
- 5 Battery capacity in mAh
- 6 Charging/Discharging time in h
- 7 Battery internal resistance in mR
- 8 Slot display(from slot 1 to slot 4)
- 9 Battery charging/discharging condition
- 10 End indicator(when finished relevant mode, it will show "END")

Operating:

1.Charge Mode:

When charger is connected to the power supply, all characters will be showed on the LCD screen for 2 seconds. 2 seconds later, the charger will detect batteries condition, if there are no batteries in charger or bad batteries are put into the charger, it will show "null". Once it detects rechargeable batteries, the corresponding mode and current cursor will flash. If we choose the "CURRENT" button to select charging current, 8 seconds later, it will start working with selected charging currents. Or it will start working with the default 500mA charging currents. The battery symbol will show charging status. When finished charging, relevant parameters will be showed on the LCD display.

Attention: we advise to choose 500mA or 1000mA to charge battery if there is no need for quick charging, it is the safest and best for battery when charging.

2.Discharge Mode:

When charger is connected to the power supply, all characters will be showed on the LCD screen for 2 seconds. 2 seconds later, the charger will detect the battery condition, if there are no batteries in charger or bad batteries are put into the charger, it will show "null". Once it detects rechargeable batteries, the corresponding mode and current cursor will flash. We need to press the "MODE" button to select Discharge mode (the default and unique currents: 500mA). 8 seconds later, it will start discharging with 500mA discharging current. The battery symbol will show discharging status. When discharging is finished, "END" and relevant discharging parameters will be show on the LCD display.

3. TEST Mode:

When charger is connected to the power supply, all characters will be showed on the LCD display for 2 seconds. 2 seconds later, the charger will detect the battery condition, if no batteries in charger or bad batteries are put into the charger, it will show "null". Once it detects rechargeable batteries, the corresponding mode and current cursor will flash. We need to press the "MODE" button to select "Test" mode (500mA current charging is the default current). 8 seconds later, it enters into charging condition of test mode. There are three processes in test mode: charge--discharge--re-charge, details are as below:



LCD show the parameters when charging in test mode



LCD show the parameters when discharging in test mode

Select "Test" Mode



Select charge current



— Press "MODE" button to select "TSET" Mode

— Press "CURRENT" button to select currents from 500mA*4, 1000mA*4, 1500mA*3 and 2000mA*2. IC system will fix the function and parameters. If there are no any operations within 8 seconds, the IC system will fix the 500mA to charge battery automatically

8 seconds later, enter into charge work, till the battery is charged fully.

8 seconds later, it will start charging with selected currents. LCD display will show charging current, voltage, time and capacity until batteries are fully charged



Change to discharge battery after battery is charged fully, and show the capacity.

It will automatically transfer into discharging after fully charged, then it will start discharging with 500mA current and record discharged capacity until batteries are fully discharged. LCD display will show discharging current, voltage, time, inner resistance and capacity (discharging process in Test mode).



Turn to re-charge after battery is discharged.

It will automatically transfer into charging mode after fully discharged until fully charged. The charging current is previous set current. LCD display show charging currents (charging process in test mode). The LCD display will show full "End" and Full condition of battery logo.



It will start charging process after fully discharged until fully charged



END



Finished

Attention: After the charger was chosen mode and current, you must press “MODE” button for 3 seconds if you want to re-choose; It will reduce the lightness without any operation within 15 seconds, but it won't go out completely, it will be aroused once press any button.

Note on disposal:

Please inform yourself about the local collection points for electronic devices. Please check local environmental standards and do not dispose your old products with normal household waste. The charging unit may only be disposed of in waste management authorities set up collection points. The proper disposal of your old produce will help the environment and health. Rechargeable batteries must not to be disposed in domestic waste. Return used batteries to your dealer or to an authorized battery collecting point.

Technical specification YC6000

Input Voltage	AC Input:100-240V (for AC Power supply): DC Input:12V/3A
Monitoring /Display	LCD display live view with back light: Shows the charge status, capacity, voltage, charge current, operating time and internal resistance
Display Back light	Yes
Controls	Three Buttons"easy to use"function(easy handling)
Charge Method	CC/CV for lithium types Li-ion batteries, Delta-peak Sensitivity for NiMH/NiCd
Safety Temp Control	Charge Cutoff Max. Temperature(72°C)
Charge Voltage	NiCd/NiMH:Delta peak detection Li-ion:4.2V/cell
Charge Current	500mA , 1000 mA ,1500 mA ,2000 mA ,
Discharge Cut-off Voltage	NiCd / NiMH:0.9/cell Li-ion:2.8V/cell
Battery Types/Size	NiCd / Nimh:AA, AAA, A, Sub-C, C, D Li-ion: 32650,26650,26500,22650,18650,17670, 18490,18500,17500,17335,16340/123A,14500, 10440, etc
Case Material/ Size	Plastic/L:210mm; W:171mm; H:56mm
Weight	485g for charger unit

AC Power supply:AC Input:100-240V;DC Output:12V/3A

All inquiries:service@youshiko.co.uk

NOTE:

Information and contents in this datasheet are for reference purpose only.They do not constitute any warranty or representation and are subject to change without notice.