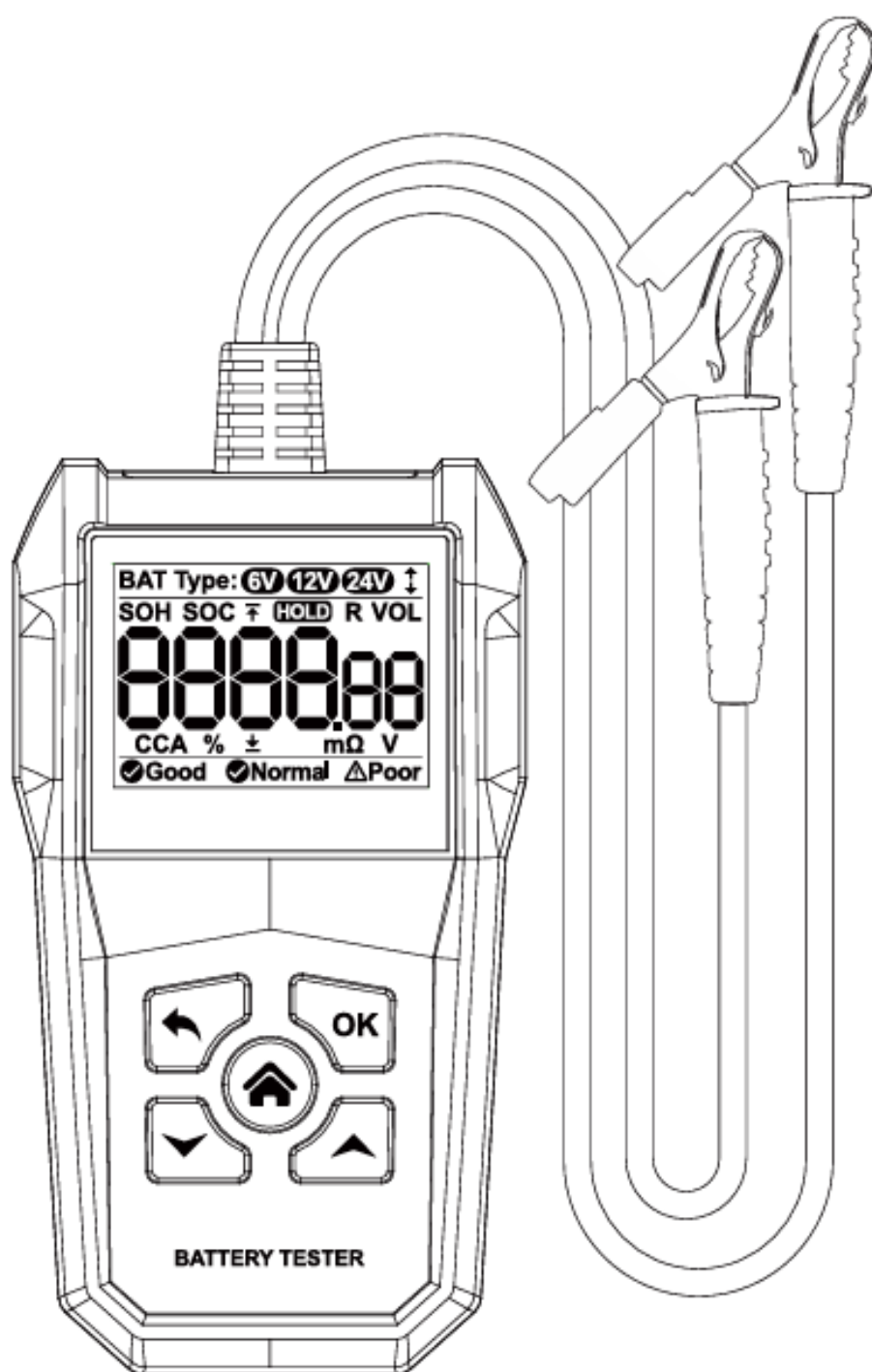


USER MANUAL

BATTERY TESTER



Please read this manual carefully before using this product and keep it properly for future use

1. General Description

This instrument is specially designed for automotive battery condition testing and troubleshooting. It can accurately measure key indicators such as CCA, SOH, SOC, battery internal resistance and voltage, and quickly identify common faults. With easy operation and stable performance, it is ready to use after power-on, suitable for professional maintenance and daily inspection, helping extend battery life and reduce operation and maintenance costs.

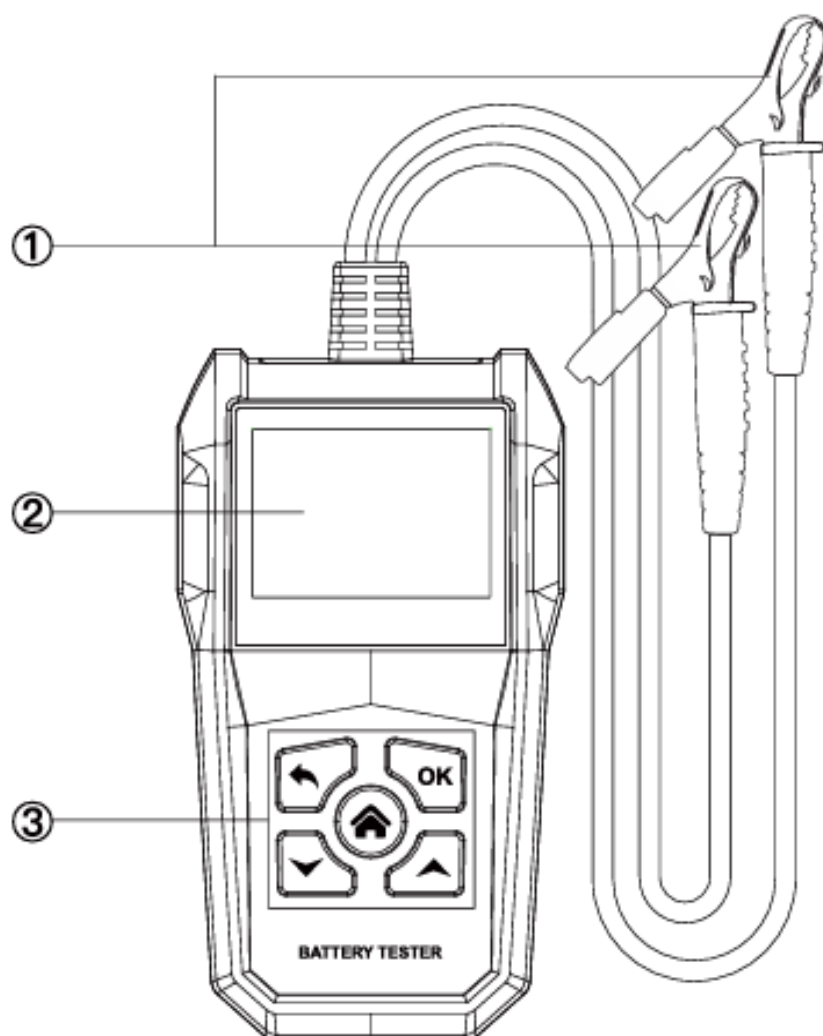
2. Safety Information



WARNING: Improper operation may result in inaccurate measurement or instrument damage. Please read this manual carefully before use.

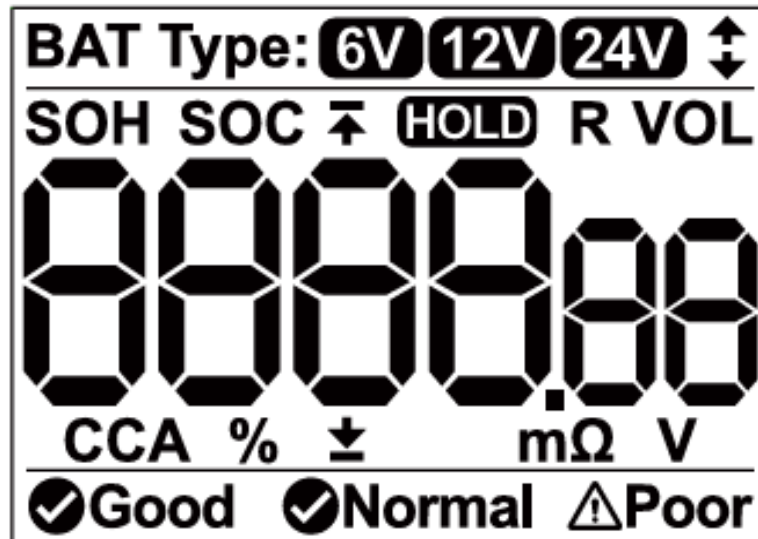
- Confirm the battery rated voltage matches the instrument to prevent overvoltage and short circuit.
- Turn off the vehicle power before testing, stop the engine and let the battery rest for 15-30 minutes (1 hour for newly charged batteries).
- Do not touch exposed connectors and components after power is connected.
- Do not operate in humid, flammable, explosive or high-temperature environments.
- Store the instrument away from high temperature, direct sunlight, strong vibration, moisture and corrosive substances.
- Stop using the instrument immediately if it is damaged or abnormal, to prevent accidents resulting from inaccurate reading. Confirm polarity: Red clip to positive (+), Black clip to negative (-). Reverse connection is strictly prohibited.

3. Structure Introduction



No.	Description
①	Test Clips
②	Display Screen
③	Function Buttons

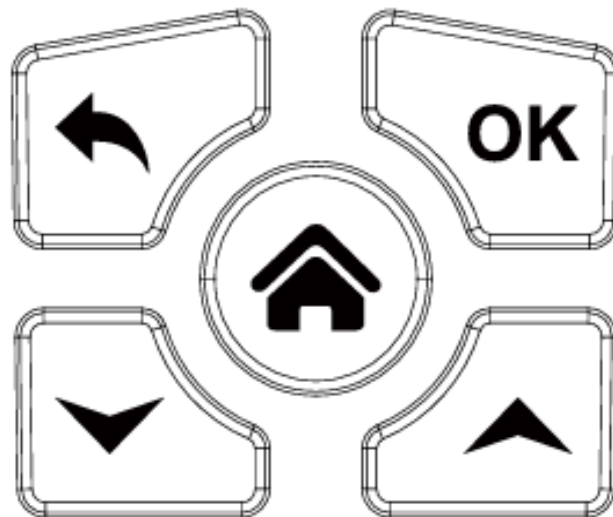
4. Display Introduction



Symbol	Description
BAT Type	Battery Type
↑↓	Voltage Rating Selection
SOH	State of Health
SOC	State of Charge
↑	Value Increase
R	Battery Internal Resistance
VOL	Battery Voltage

CCA	Cold Cranking Amps
%	Percentage
↓	Value Decrease
mΩ	Milliohm
V	Volt
✓Good	Battery Condition: Good
✓Normal	Battery Condition: Normal
⚠Poor	Battery Condition: Poor

5. Button Introduction



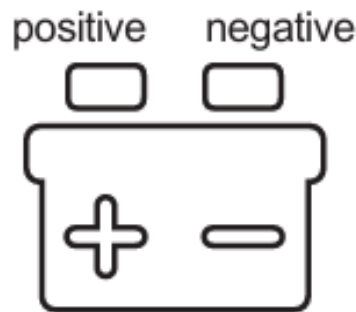
Symbol	Description
	Back
OK	Confirm
	Decrease
	Increase
	Return to Main Interface

6. Technical Parameters

Operating Altitude		2000m
Display		LCD
Supported Battery Capacity		2 ~ 220A
Supported Battery Types (6V/12V/24V)		Normal Battery
		EFB Battery
		AGM Flat Battery
		AGM Spiral Battery
		GEL Battery
Test Range	VOL	DC 5 ~ 32V
	R	0.01 ~ 500mΩ
	CCA	100 ~ 2000
	SOC	0 ~ 100%
	SOH	0 ~ 100%
Resolution	VOL	0.01V
	R	0.01mΩ
	CCA	1
	SOC	1%
	SOH	1%
Connection		Alligator Clips
Operating Environment		0 ~ 50°C/0 ~ 80%RH
Storage Environment		-20 ~ 60°C/Humidity≤80%RH
Dimensions		128.5×73×33mm
Weight		About 250g

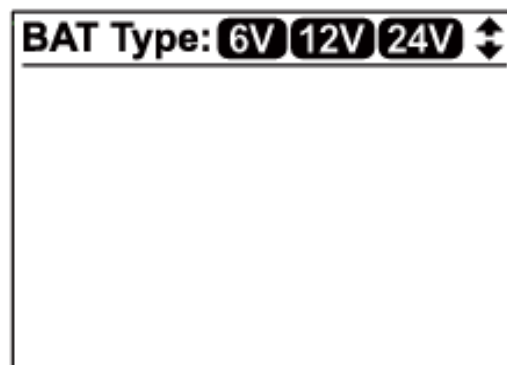
7.Operation Instructions

7.1 Turn off the engine. Connect the red clamp to the battery positive (+) and the black clamp to the negative (-). The tester will power on automatically and display the startup screen.



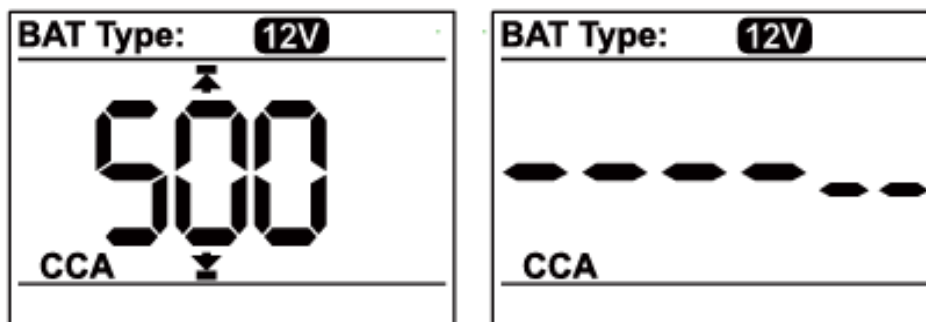
(Figure 1)

7.2 Use the ▲/▼ buttons to select battery type (6V/12V/24V), then press OK to Confirm.



(Figure 2)

7.3 Refer to the CCA marked on the battery under test, use the ▲/▼ buttons to input the corresponding value, then press OK to start the test.

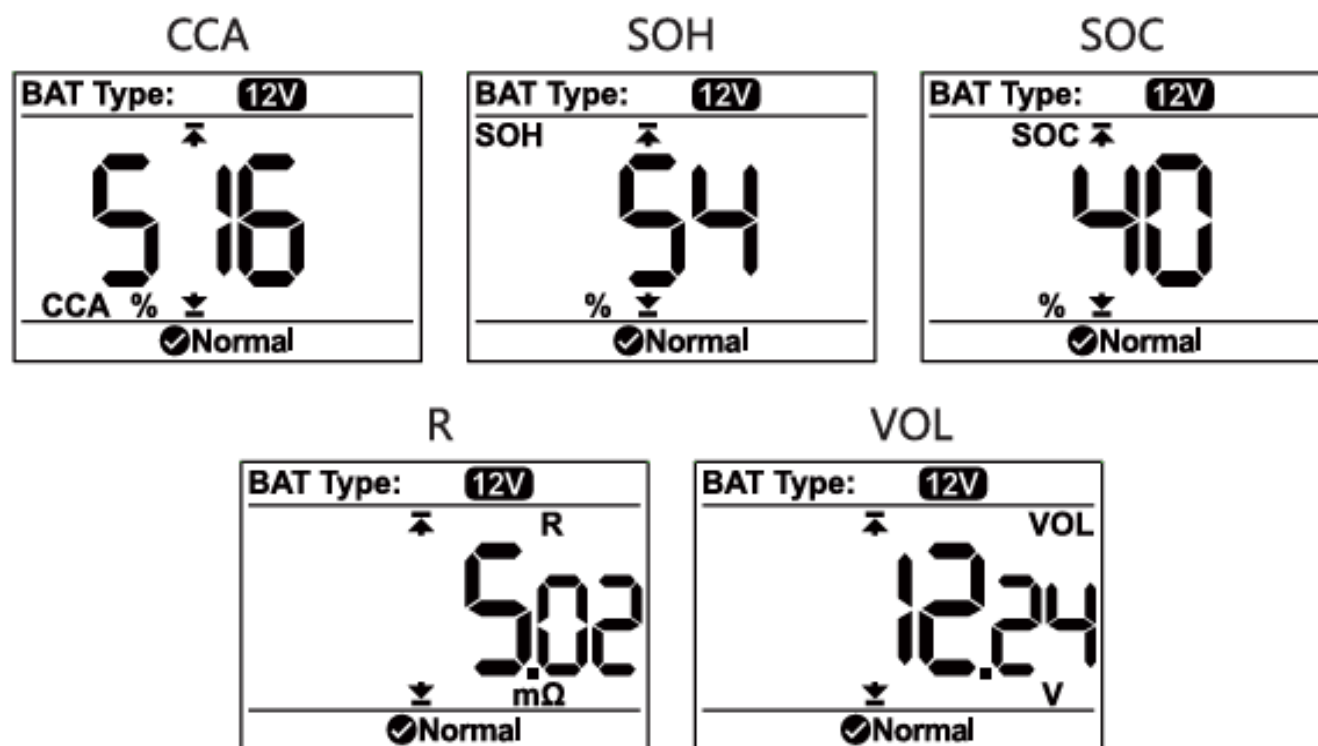


Input CCA value

Test in progress

(Figure 3)

7.4 Use the ▲/▼ buttons to select and view the test results.



(Figure 4)

8. Package List

1、Car Battery Tester	×1
2、User Manual	×1
3、Carrying pouch	×1

USER MANUAL

CE RoHS



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