

## KONNWEI KW208

# KONNWEI KW208 12V Car Battery Tester and Alternator Analyzer

Model: KW208 | Brand: KONNWEI

## INTRODUCTION

The KONNWEI KW208 is a professional automotive diagnostic tool designed to test 12V car batteries and analyze the vehicle's charging and cranking systems. This device provides accurate and reliable data to help you understand the health status of your battery and the performance of your alternator and starter. It supports a wide range of battery types and standards, making it an essential tool for vehicle maintenance.

## PRODUCT FEATURES

The KW208 offers a comprehensive suite of tests and features:

- **Battery Health Test:** Measures the State of Health (SOH) and State of Charge (SOC) of the battery.
- **Cranking System Test:** Analyzes the starter motor's performance during engine start-up.
- **Charging System Test:** Evaluates the alternator's output and the overall charging system efficiency.
- **Voltage Test:** Provides real-time battery voltage readings.
- **Internal Resistance Test:** Measures the battery's internal resistance.
- **Data Review:** Allows users to review previous test results.
- Supports 100-2000 CCA batteries.
- Compatible with various battery types including regular flooded, AGM flat plate, AGM spiral, and GEL batteries.

# ALL IN ONE 12V BATTERY TESTER



Image: The KONNWEI KW208 interface showing various battery test functions and results, including State of Charge (SOC), State of Health (SOH), and internal resistance.

## PACKAGE CONTENTS

Upon opening the box, please verify that all items are present:

- KONNWEI KW208 Main Unit
- User Manual
- USB Cable (for data review/updates, if applicable)
- Battery Clamps (Red for positive, Black for negative)



Image: Illustration of the KONNWEI KW208 package contents, showing the device, its cables, and the user manual.

## SETUP AND CONNECTION

The KW208 is designed for ease of use and draws power directly from the vehicle's battery, requiring no internal batteries or charging.

1. **Prepare the Vehicle:** Ensure the vehicle's ignition is off and all accessories are turned off.
2. **Connect the Red Clamp:** Attach the red positive (+) clamp of the KW208 to the positive terminal of the 12V car battery.
3. **Connect the Black Clamp:** Attach the black negative (-) clamp of the KW208 to the negative terminal of the 12V car battery.
4. **Power On:** The device will automatically power on once correctly connected.

The KW208 can be used for testing batteries both **in-vehicle** and **out-of-vehicle**.



Image: The KONNWEI KW208 demonstrating its use for both in-vehicle and out-of-vehicle battery testing scenarios.

## OPERATING INSTRUCTIONS

Once powered on, the main menu will appear, offering several options. Use the **UP** and **DOWN** arrow buttons to navigate and the **ENTER** button to select.

### 1. Battery Test

This test assesses the overall health and charge level of your battery.

1. From the main menu, select "Battery Test".
2. Follow the on-screen prompts to input battery type (e.g., Regular Flooded, AGM) and CCA rating.
3. The tester will display results including SOH, SOC, voltage, and internal resistance.
4. An interpretation of the results (e.g., "Good Battery", "Good-Recharge", "Replace Battery") will be provided.



# RELIABLE BATTERY TESTER

## PREVENT BATTERY FAILURE IN ADVANCE



Battery Test



Cranking Test



Charging Test

Image: The KONNWEI KW208 connected to a car battery, performing a battery test and displaying a 'GOOD-RECHARGE' status.

## 2. Cranking System Test

This test evaluates the starter motor's ability to crank the engine.

1. From the main menu, select "Cranking Test".
2. Follow the on-screen instructions to start the engine.
3. The tester will measure the cranking voltage and time, providing an assessment of the starter's performance.

## 3. Charging System Test

This test checks the alternator's output and the vehicle's charging circuit.

1. From the main menu, select "Charging Test".
2. Follow the on-screen instructions, which typically involve starting the engine and revving it to a specified RPM.
3. The tester will measure the charging voltage under different load conditions and report on the alternator's efficiency.

## 4. Data Review

Access previously saved test results for comparison or further analysis.

1. From the main menu, select "Review".
2. Navigate through the stored test records.

## MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the KW208 in a clean, dry environment away from direct sunlight and extreme temperatures.
- **Cable Care:** Inspect the battery clamps and cables regularly for any signs of damage or wear. Replace if necessary.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Incorrect or loose connection to battery terminals. Battery voltage too low (below 8V).	Ensure clamps are securely attached to the correct battery terminals. Check if the battery has sufficient voltage (above 8V typically).
Inaccurate test results.	Incorrect battery type or CCA input. Poor connection. Battery recently charged/discharged.	Verify battery type and CCA rating are correctly entered. Ensure clean and secure connections. Allow battery to rest for 15-30 minutes after charging/heavy use before testing.
Screen display issues.	Extreme temperatures. Device malfunction.	Move the device to a moderate temperature environment. If issues persist, contact customer support.

## SPECIFICATIONS

- **Model:** KW208
- **Manufacturer:** KONNWEI
- **Dimensions (L x W x H):** 12.7 cm x 7.8 cm x 2 cm (approximately 5 x 3.07 x 0.79 inches)
- **Weight:** 230 Grams (approximately 0.51 lbs)
- **Power Source:** Powered directly by 12V vehicle battery
- **Nominal Voltage:** 12 Volts
- **Supported Battery Standards:** CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, GB
- **CCA Range:** 100-2000 CCA
- **Display:** Backlit LCD
- **Operating Temperature:** 0°C to 50°C (32°F to 122°F) *(Note: The provided specification of 80°C may refer to maximum storage temperature or tolerance.)*

# MORE ACCURATE WITH UPGRADED ACCESSORY



Image: The KONNWEI KW208 showcasing its upgraded accessories and internal components, emphasizing accuracy and protection features.

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the product packaging or visit the official KONNWEI website. Keep your purchase receipt as proof of purchase for warranty claims.