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Model: KWS-DC26

1. INTRODUCTION

The OLZFJAJE KWS-DC26 is a high-precision DC power meter tester designed for measuring voltage, current, power, and energy consumption in DC circuits. This instrument is suitable for various applications, including battery performance testing, solar monitoring, and electric vehicle charging pile testing. Equipped with a high-precision color LCD screen, the KWS-DC26 offers features such as alarm prompts, two-way measurement, and data recording, ensuring ease of operation and high reliability.



Image 1.1: Front view of the KWS-DC26 Battery Charger Tester displaying various electrical parameters.

2. FEATURES

- **Overvoltage Prompt Setting:** Configurable alert for voltage exceeding a set limit.
- **Overcurrent Prompt Setting:** Configurable alert for current exceeding a set limit.
- **Power Clearing:** Function to reset accumulated power readings.
- **Ampere-Hour Clearing:** Function to reset accumulated ampere-hour readings.
- **Timer Reset to Zero:** Function to reset the timing duration.
- **Over-Temperature Prompt Setting:** Configurable alert for temperature exceeding a set limit.
- **Screensaver Setting:** Option to configure display screensaver.
- **No-Load Current Description and Removal Method:** Information and procedure for handling no-load current.
- **Bidirectional Measurement:** Capable of measuring current flow in both directions.
- **Power-Off Memory:** Retains settings and data after power loss.

Brand new upgrade Electric vehicle charger tester

Wider detection range, real-time detection, less error



Image 2.1: The KWS-DC26 display highlighting key measurement parameters and functions.



Image 2.2: The KWS-DC26 featuring a thermostat for real-time temperature monitoring to prevent overheating.

3. SPECIFICATIONS

Parameter	Value
Model	KWS-DC26
Voltage Measurement Range	DC8-80V $\pm 1\%$ + 0.5V
Current Measurement Range	0-20A / 50A $\pm 1\%$ + 0.2A (PIN 20A; XT60 25A; XT90 35A)
Power Measurement Range	0-4000W $\pm 1\%$ + 2W
Energy Range	0-99999Wh
Ampere-Hour Range	0-99999Ah
Timing Range	99 days 59 hours
Temperature Measurement	-20~99°C $\pm 2\%$
Display Screen	51*30MM Color LCD
Product Dimensions	0.39 x 0.39 x 0.39 inches
Item Weight	1.76 ounces

Wide range of applications with different plugs



Image 3.1: The KWS-DC26 supports various plug types for wide application compatibility.

4. SETUP AND WIRING METHOD

Proper wiring is crucial for accurate measurements and safe operation. Please follow these instructions carefully:

1. **Voltage Measurement:** Connect the red wire's positive pole and the black wire's negative pole to the positive and negative terminals of the circuit under test, respectively.
2. **Current Measurement:** Connect the KWS-DC26 in series with the circuit where current measurement is desired. Ensure the selected current range of the device is appropriate for the expected current to avoid overload damage.

5. OPERATING INSTRUCTIONS

The KWS-DC26 provides real-time monitoring and various data management functions. The color LCD screen displays voltage, current, power, energy, ampere-hours, timing, and temperature.

5.1 Usage Scenarios

The device can be used in several configurations:

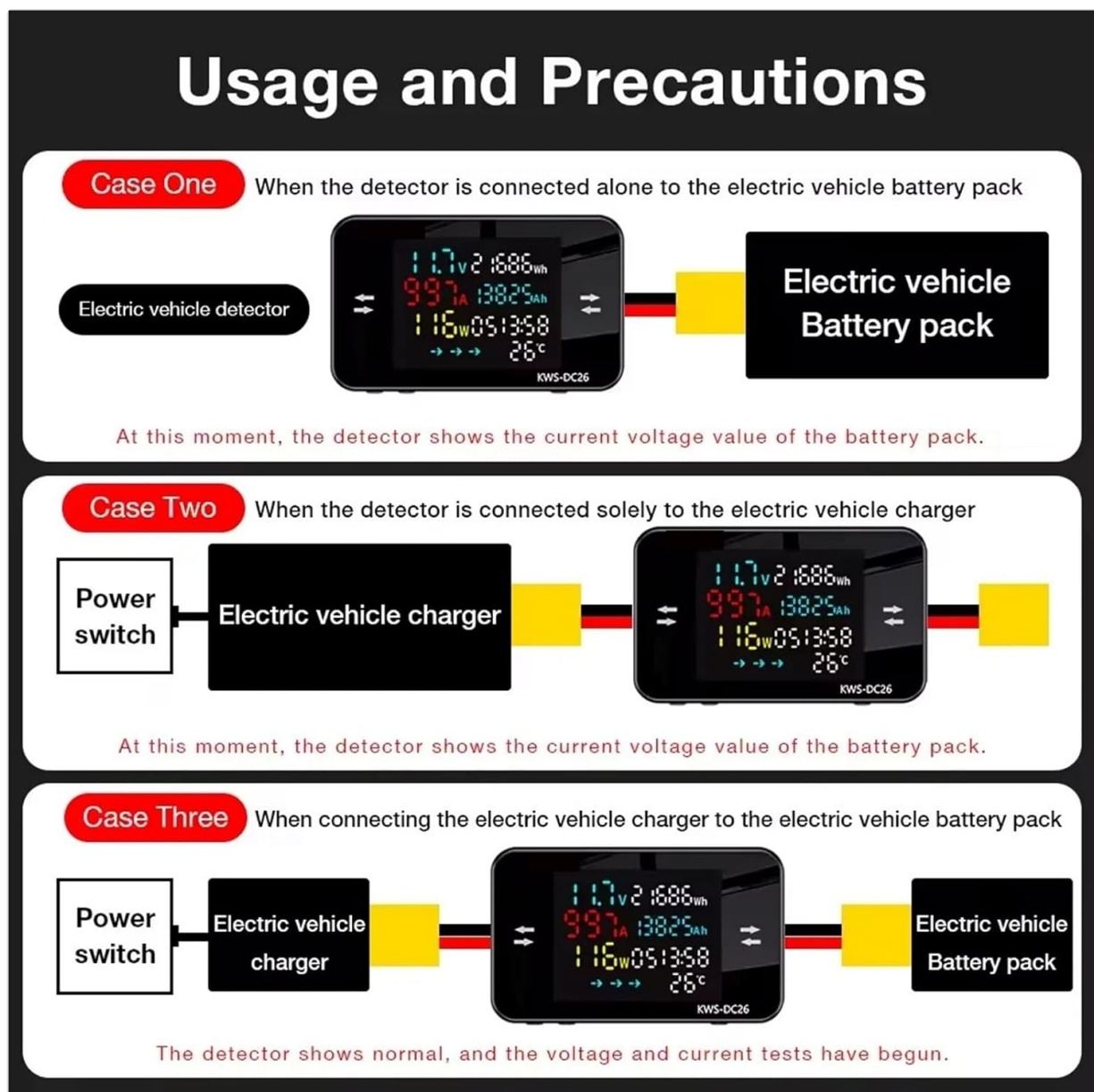


Image 5.1: Wiring diagrams for different operational modes of the KWS-DC26.

- **Case One: Detector Connected Alone to Electric Vehicle Battery Pack**
When the detector is connected directly to an electric vehicle battery pack, it will display the current voltage value of the battery pack.
- **Case Two: Detector Connected Solely to Electric Vehicle Charger**
When the detector is connected only to an electric vehicle charger, it will display the current voltage value provided by the charger.
- **Case Three: Detector Connected Between Electric Vehicle Charger and Battery Pack**
When connected in series between the charger and the battery pack, the detector will show normal operation, and voltage and current tests will commence, providing real-time charging data.

5.2 Alarm Settings

The KWS-DC26 allows users to set various alarm thresholds to prevent damage or monitor conditions:

- **Overvoltage Prompt Setting:** Refer to the device's on-screen menu for setting the maximum allowable voltage. An alert will trigger if this value is exceeded.
- **Overcurrent Prompt Setting:** Refer to the device's on-screen menu for setting the maximum allowable

current. An alert will trigger if this value is exceeded.

- **Over-Temperature Prompt Setting:** Refer to the device's on-screen menu for setting the maximum allowable temperature. An alert will trigger if this value is exceeded.

5.3 Data Management

To manage accumulated data:

- **Power Clearing:** Use the designated menu option to reset the accumulated power (Wh) reading to zero.
- **Ampere-Hour Clearing:** Use the designated menu option to reset the accumulated ampere-hour (Ah) reading to zero.
- **Timer Reset to Zero:** Use the designated menu option to reset the elapsed timing duration to zero.

Consult the device's on-screen interface for specific navigation and button presses to access and adjust these settings.

6. MAINTENANCE

To ensure the longevity and accuracy of your KWS-DC26 tester, follow these general maintenance guidelines:

- **Cleaning:** Gently wipe the device with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the display or casing.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the device with care to prevent physical damage. Avoid dropping or subjecting it to strong impacts.

7. TROUBLESHOOTING

If you encounter issues with your KWS-DC26, consider the following:

- **No Display:** Ensure the device is properly connected to a power source within its specified voltage range (DC8-80V). Check all wiring connections for security.
- **Inaccurate Readings:** Verify that the wiring is correct and secure. Ensure the current measurement is connected in series and the voltage measurement is in parallel. Check for any loose connections or damaged cables.
- **Alarm Triggered:** If an overvoltage, overcurrent, or over-temperature alarm activates, immediately check the connected circuit for conditions exceeding the set thresholds. Adjust the load or power source as necessary, or reconfigure alarm settings if they are too sensitive for your application.
- **Data Not Clearing:** Ensure you are following the correct procedure for Power Clearing, Ampere-Hour Clearing, or Timer Reset as described in the operating instructions.

If problems persist, contact customer support for further assistance.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the manufacturer, OLZFJAJE, directly through their official channels. Keep your proof of purchase for warranty claims.

