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> ciciglow DC 0-60V Digital Power Meter (100A) User Manual

ciciglow 100A

ciciglow DC 0-60V Digital Power Meter (100A) User Manual

Model: 100A | Brand: ciciglow

1. INTRODUCTION

The ciciglow DC 0-60V Digital Power Meter (100A) is a versatile device designed for measuring voltage, current, power, and other electrical parameters in various DC systems. It features a large, easy-to-read display with adjustable backlight settings and a simple interface for switching between different statistical functions. This meter is suitable for applications in solar energy systems, industrial assembly lines, and automotive environments.

Widely used in solar energy systems, industrial assembly lines, automobiles, etc



Image 1.1: The ciciglow DC Power Meter demonstrating its wide range of applications in solar energy, recreational vehicles, and industrial settings.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating this device. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- Ensure the input voltage and current do not exceed the specified limits of 0-60V DC and 100A.
- Do not attempt to disassemble or modify the device.
- Keep the device away from water, moisture, and extreme temperatures.
- Use appropriate wiring and connectors for the current and voltage levels involved.
- Always disconnect power before making or breaking connections.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x ciciglow DC Digital Power Meter (100A)

4. SETUP AND CONNECTION

The power meter is designed for inline measurement. Connect it according to the following instructions:

1. Identify the 'IN' and 'OUT' terminals on the meter. The 'IN' side connects to the power source (e.g., battery, solar panel output). The 'OUT' side connects to the load (e.g., inverter, device being powered).
2. Connect the positive (+) wire from your power source to the red 'IN' wire of the meter.
3. Connect the negative (-) wire from your power source to the black 'IN' wire of the meter.
4. Connect the red 'OUT' wire of the meter to the positive (+) input of your load.
5. Connect the black 'OUT' wire of the meter to the negative (-) input of your load.
6. Ensure all connections are secure and properly insulated.

Can measure voltage, current, power, etc.

Widely used in solar energy systems, industrial assembly lines, automobiles, etc.

Large screen display, convenient for reading, function switch query

The backlight can be set, when the power is turned off, the backlight setting can be saved



Image 4.1: Angled view of the Ciciglow DC Power Meter, illustrating the 'IN' and 'OUT' connection points for power source and load.

5. OPERATING INSTRUCTIONS

Once connected and power is applied, the meter will automatically display real-time measurements.

5.1 Display Functions

The large screen displays voltage (V), current (A), and power (W). The lower right section of the display shows additional statistical data.



Image 5.1: Close-up view of the meter's digital display, highlighting the readouts for voltage, current, power, and the statistical data section.

5.2 Switching Statistical Data

A button located on the side of the meter allows you to cycle through different statistical measurements in the lower right display area. Press the button to switch between the following categories:

- **AH:** Ampere-hours (accumulated charge)
- **WH:** Watt-hours (accumulated energy)
- **Ap:** Peak Amps (maximum current recorded)
- **Vm:** Minimum Volts (minimum voltage recorded)
- **Wp:** Peak Watts (maximum power recorded)



Image 5.2: Angled view of the ciciglow DC Power Meter, clearly showing the function button used to cycle through display modes.

5.3 Backlight Settings

The meter's backlight can be configured. Settings for the backlight are saved even when the power is turned off, ensuring your preferences are retained.

6. MAINTENANCE

To ensure the longevity and accurate operation of your ciciglow DC Power Meter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** Store the meter in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Inspection:** Periodically check the wiring and connections for any signs of wear, corrosion, or damage.

7. TROUBLESHOOTING

If you encounter issues with your ciciglow DC Power Meter, refer to the following common troubleshooting steps:

- **No Display:** Check all power connections to ensure they are secure and that the power source is active and within the specified voltage range (0-60V DC).
- **Incorrect Readings:** Verify that the meter is connected correctly (IN to source, OUT to load) and that the wires are properly seated. Ensure the load is drawing current for accurate current and power readings.

- **Button Unresponsive:** Ensure the device is powered on. If the button still does not respond, try disconnecting and reconnecting power.
- **Intermittent Readings:** Check for loose connections or damaged wiring. Ensure the operating environment is stable and free from excessive electrical noise.

If problems persist, contact customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	ciciglow
Model	100A
Input Voltage Range	0-60 V DC
Current Range	100 A
Material	ABS
Product Weight	Approx. 92 Grams
Product Dimensions	Approx. 9.3 x 6 x 2 cm (3.7 x 2.4 x 0.8 inches)
Power Source	Solar (Self-powered from DC circuit)
Measurement Type	Multimeter (Voltage, Current, Power, Energy, Charge)
Operating Temperature (Upper)	85 Degrees Celsius
Compliance	IEC 61010-1

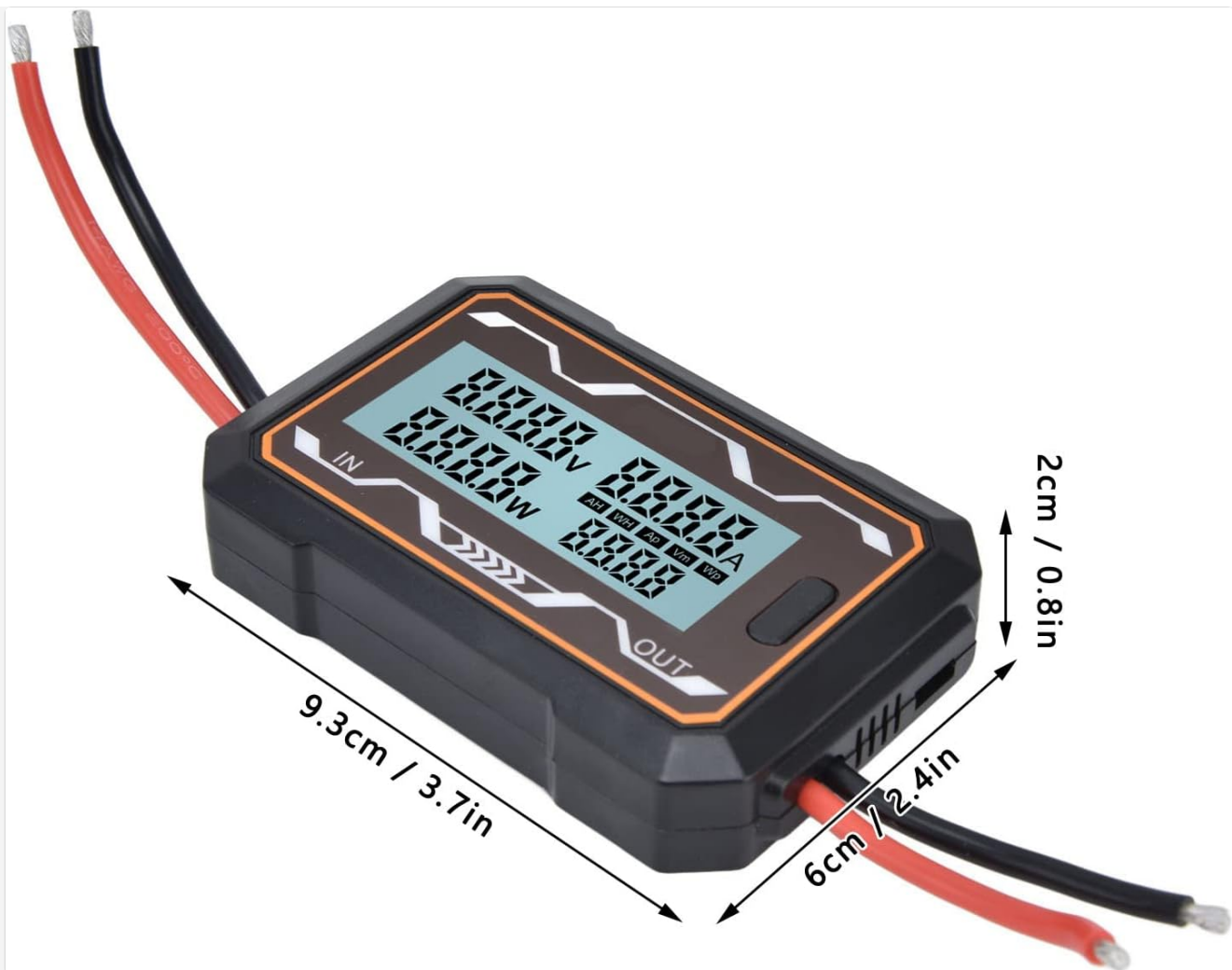


Image 8.1: The ciciglow DC Power Meter with its approximate dimensions labeled for reference.



Image 8.2: Rear view of the ciciglow DC Power Meter, displaying the voltage and current range specifications.

9. WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in this manual. For details regarding warranty coverage, technical support, or service, please refer to the product packaging, the seller's website, or contact ciciglow customer service directly.

You can visit the ciciglow store for more information: [ciciglow Store](#)

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