DEWIN QRXEQEIDI-GS98738

DEWIN Smart WiFi Energy Meter User Manual

Model: QRXEQEIDI-GS98738

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your DEWIN Smart WiFi Energy Meter. This device is designed to accurately measure and monitor various electrical parameters, offering smart control capabilities through a mobile application. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. Product Features

- **Multi-Parameter Display:** Simultaneously displays 6 measurement parameters: Voltage (AC 85-265V), Current (0-63A), Power (0-17KW), Electrical Energy (0-9999 KWh), Frequency (45-65Hz), and Power Factor (0-1 PF).
- **Smart WiFi Control:** Enables real-time data monitoring and device control via the Tuya Smart application, allowing for efficient energy consumption management.
- **One-Key Reset Function:** Easily reset accumulated electrical energy data for new measurement cycles, ensuring accuracy and continuity.
- **Power-Off Memory:** Automatically saves the latest test power data upon power interruption. Data collection resumes when power is restored, preventing data loss.
- **Durable Construction:** Made from PC flame-retardant material for safe and reliable operation.
- **Universal DIN Rail Installation:** Designed for easy, screw-free installation on a standard 35mm DIN rail, suitable for both indoor and outdoor applications.



Image: The meter's LCD screen showing Voltage, Current, Power, Electrical Energy, Frequency, and Power Factor readings.



Image: The energy meter highlighting its WiFi control capabilities and compatibility with Tuya and Smart Life applications.

3. Specifications

Parameter	Value
Voltage Range	AC 85-265V
Current Range	0-63A
Power Range	0-17KW
Electrical Energy Range	0-9999 KWh
Frequency Range	45-65Hz
Power Factor	0-1 PF
Power-off Memory Function	Yes
Energy Reset Function	Yes (One-key reset)
WiFi Connection	Yes

Parameter	Value
Installation Method	35mm DIN Rail
Dimensions	10 x 3.5 x 6.5 cm (approx.)
Weight	150g

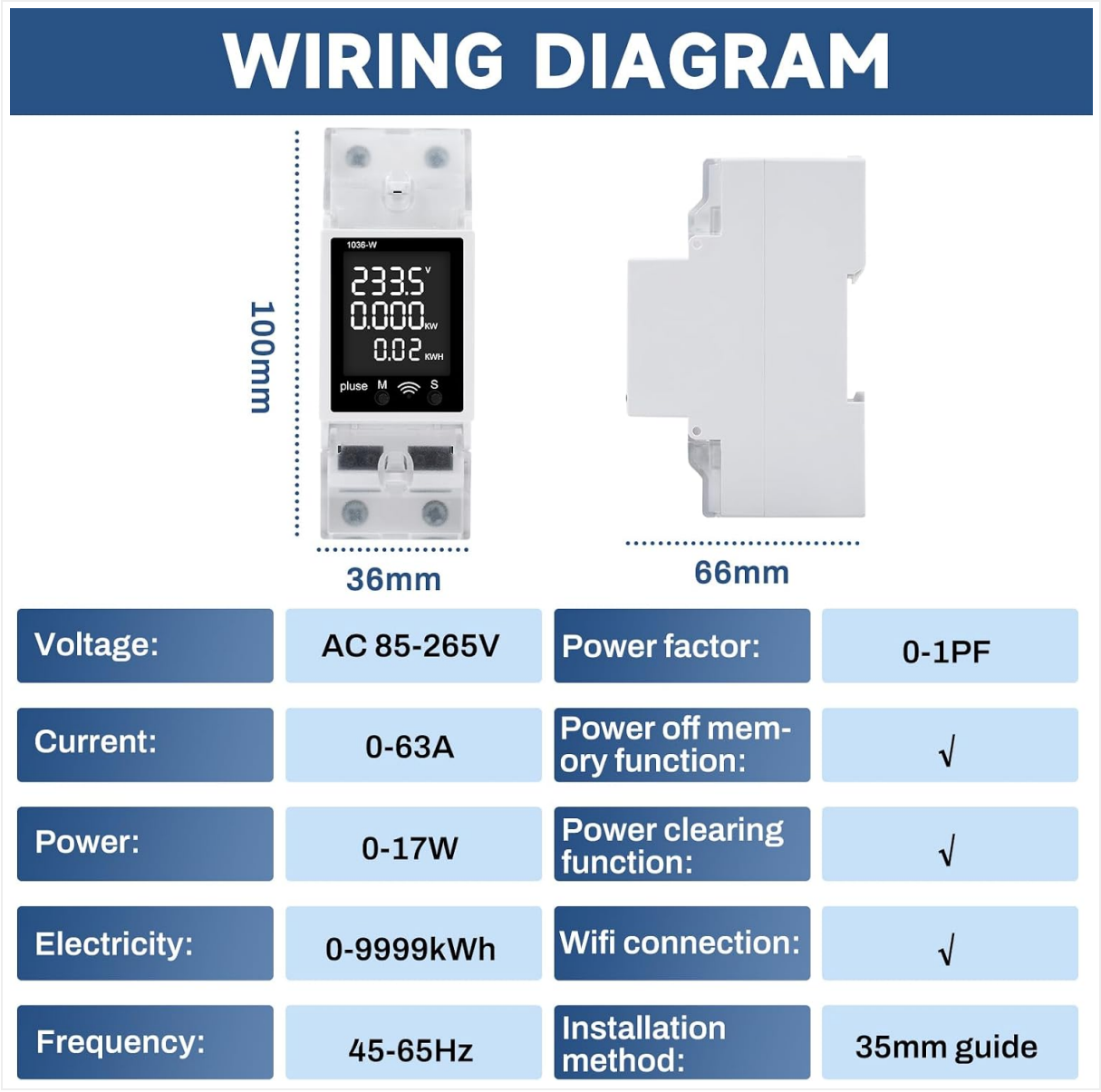


Image: A visual representation of the meter's dimensions and key electrical specifications.

4. Setup and Installation

The DEWIN Smart WiFi Energy Meter is designed for easy installation on a standard 35mm DIN rail. No screws are required for mounting. Ensure all power is disconnected before proceeding with installation to prevent electrical shock.

4.1 Wiring Diagram

Connect the live (L) and neutral (N) wires according to the diagram below. The input (Entry end) and output (Outline) terminals are clearly marked on the device.



Image: A clear wiring diagram showing the live (L) and neutral (N) connections for both the entry and outline ends of the meter.

Important Safety Note: Electrical installation should only be performed by qualified personnel. Always ensure the main power supply is turned off before connecting or disconnecting any wires.

5. Operating Instructions

5.1 Initial Power-Up and Display

Once correctly wired and powered on, the LCD HD display will illuminate, showing the 6 measurement parameters. The display offers a wide viewing angle (178°) for clear data visibility.



Image: The meter's LCD HD display, providing a clear visual experience for data viewing.

5.2 WiFi Connection and App Control

1. Download the **Tuya Smart** or **Smart Life** application from your mobile device's app store.
2. Register or log in to your account.
3. Follow the in-app instructions to add a new device. Ensure your mobile device is connected to a 2.4GHz WiFi network.
4. Once connected, you can monitor real-time voltage, current, power, and energy consumption directly from your smartphone.
5. The app also allows for remote control and scheduling of connected devices, if applicable to your setup.

5.3 Energy Data Reset

To reset the accumulated electrical energy (KWh) data, locate the reset button on the device (often labeled 'M' or 'Reset'). Press and hold this button for a few seconds until the KWh reading resets to zero. This allows you to track energy consumption for specific periods or tests.

6. Maintenance

6.1 General Care

Keep the meter clean and free from dust. Use a soft, dry cloth for cleaning. Avoid using abrasive cleaners or solvents, which may damage the display or casing. Ensure the device is installed in a well-ventilated area and within its specified operating temperature range.

6.2 Data Storage

The meter features an automatic power-off memory function. This means that in the event of a power outage, the last recorded energy data is saved. When power is restored, the meter continues to accumulate data from the last saved point, ensuring continuous monitoring without loss of historical data.



Image: A visual concept of the meter's internal data storage mechanism, highlighting its ability to retain power data during outages.

7. Troubleshooting

- **No Display:** Check the power supply and wiring connections. Ensure the voltage is within the specified AC 85-265V range.
- **Incorrect Readings:** Verify that the wiring is correct according to the diagram. Ensure the load is connected properly.
- **WiFi Connection Issues:** Ensure your router is operating on a 2.4GHz frequency. Check that the meter is within range of your WiFi network. Restart your router and the meter, then attempt to reconnect via the Tuya Smart app.

- **App Not Showing Data:** Confirm the meter is successfully connected to the app. Check your internet connection. Update the app to the latest version.

If you encounter persistent issues not covered here, please consult the retailer or manufacturer for further assistance.

8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.