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DEWIN QIRCQEQIY-GS110602-01

DEWIN Mobile Digital Three-Phase Electricity Meter - User Manual

Model: QIRCQEQIY-GS110602-01

1. Introduction

This manual provides essential information for the safe and efficient operation of your DEWIN Mobile Digital Three-Phase Electricity Meter. This device is designed to display real-time energy status and consumption, featuring a reset function for monitoring specific usage periods. Equipped with a 16A 5-pin plug and a 16A CEE 5-pin coupler, it is suitable for various applications requiring precise energy measurement.
The meter incorporates MID calibration for accurate data and boasts an IP44 protection rating, making it robust and suitable for use in damp environments and outdoors. It assists in identifying and managing energy-consuming devices, contributing to reduced energy costs.

2. Safety Information

- Always ensure the power supply is disconnected before connecting or disconnecting the meter.
- Do not attempt to open or modify the device. Refer all servicing to qualified personnel.
- Ensure all connections are secure and free from damage before applying power.
- The device is rated IP44 for protection against solid objects larger than 1mm and splashing water. Do not immerse the device in water.
- Operate the meter within its specified voltage and current ratings (400V, 16A).
- Keep out of reach of children.

3. Product Overview

The DEWIN Mobile Digital Three-Phase Electricity Meter consists of a main meter unit housed in an IP44-rated enclosure, connected by a 2-meter cable to a 16A 5-pin plug and a 16A CEE 5-pin coupler.



Image 1: Overview of the DEWIN Mobile Digital Three-Phase Electricity Meter, showing the main unit, input plug, and output coupler.

Key Features:

- **Digital Display:** Shows real-time energy consumption (kWh) and status.
- **Reset Function:** Allows for resetting the energy consumption reading for new measurement periods.
- **MID Calibration:** Ensures high accuracy of measurement data.
- **IP44 Protection:** Provides protection against splashing water and foreign objects, suitable for outdoor and damp environments.
- **16A 5-Pin Connectivity:** Equipped with standard 16A CEE 5-pin plug and coupler for three-phase applications.



Image 2: Visual representation of key features: IP44 protection grade, accurate energy management, and easy installation.

4. Setup and Installation

The DEWIN Mobile Digital Three-Phase Electricity Meter is designed for straightforward installation. Follow these steps:

1. **Inspect the Device:** Before installation, visually inspect the meter, cable, plug, and coupler for any signs of damage. Do not use if damaged.
2. **Connect to Power Source:** Plug the 16A 5-pin input plug of the meter into a compatible three-phase 400V 16A power outlet. Ensure the connection is firm.
3. **Connect Your Appliance:** Connect your three-phase appliance or distribution unit to the 16A CEE 5-pin output coupler of the meter. Ensure this connection is also firm.
4. **Secure Placement:** Place the meter unit in a stable location. Its IP44 rating allows for use in outdoor or damp conditions, but avoid direct exposure to heavy rain or submersion.



Image 3: Example of the meter installed, demonstrating its ease of use in various settings, such as monitoring EV charging.

5. Operating Instructions

Reading the Display:

Once connected and powered, the digital display on the meter unit will show the accumulated energy consumption in kilowatt-hours (kWh). The display is clear and easy to read.



Image 4: Detailed view showing the meter's digital display and the 16A CEE 5-pin plug and coupler.

Reset Function:

The meter includes a reset function to clear the accumulated energy consumption reading. This is useful for monitoring energy usage over specific periods or for individual appliances. Refer to the meter's specific button or interface for the reset procedure. Typically, a small button on the meter's face or side is pressed and held to initiate the reset.



Image 5: The meter in an outdoor setting, highlighting its MID calibration for accurate energy tracking.

6. Maintenance

The DEWIN Mobile Digital Three-Phase Electricity Meter requires minimal maintenance due to its robust design and IP44 rating.

- **Cleaning:** Wipe the exterior of the meter with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the device is unplugged before cleaning.
- **Inspection:** Periodically check the cable, plug, and coupler for any signs of wear, cuts, or damage. Replace the unit if any damage is found.
- **Environmental Protection:** While IP44 rated, prolonged exposure to extreme weather conditions (e.g., heavy rain, direct sunlight, freezing temperatures) should be minimized to extend the product's lifespan.



Image 6: The meter showcasing its IP44 protection against splashing water.

7. Troubleshooting

If you encounter issues with your DEWIN Electricity Meter, refer to the following common problems and solutions:

- **No Display/No Power:**
  - Ensure the input plug is securely connected to a live power outlet.
  - Check the power outlet itself by plugging in another device.
  - Verify that the circuit breaker for the outlet has not tripped.
- **Incorrect Readings:**
  - Ensure the meter is correctly connected to a three-phase 400V supply.
  - The meter features MID calibration for accuracy; if you suspect significant inaccuracies, contact customer support.

- **Reset Function Not Working:**
    - Ensure you are pressing the reset button correctly and holding it for the required duration (if applicable).

If problems persist after attempting these solutions, please contact DEWIN customer support.

8. Specifications

Specification	Value
Brand	DEWIN
Model Number	QIRCQEQIY-GS110602-01
Rated Current	16 A
Rated Voltage	400 V
Rated Frequency	50/60 Hz
Plug Specification	CEE 5-pin connector
Cable Specification	5 x 2.5 mm^2
Cable Length	2 m
Protection Grade	IP44
Material	ABS
Item Weight	1.75 Kilograms
Meter Unit Dimensions (approx.)	17 cm (H) x 9.5 cm (W) x 10.5 cm (D)
Plug/Coupler Dimensions (approx.)	14.7 cm (L) x 6.7 cm (Dia)

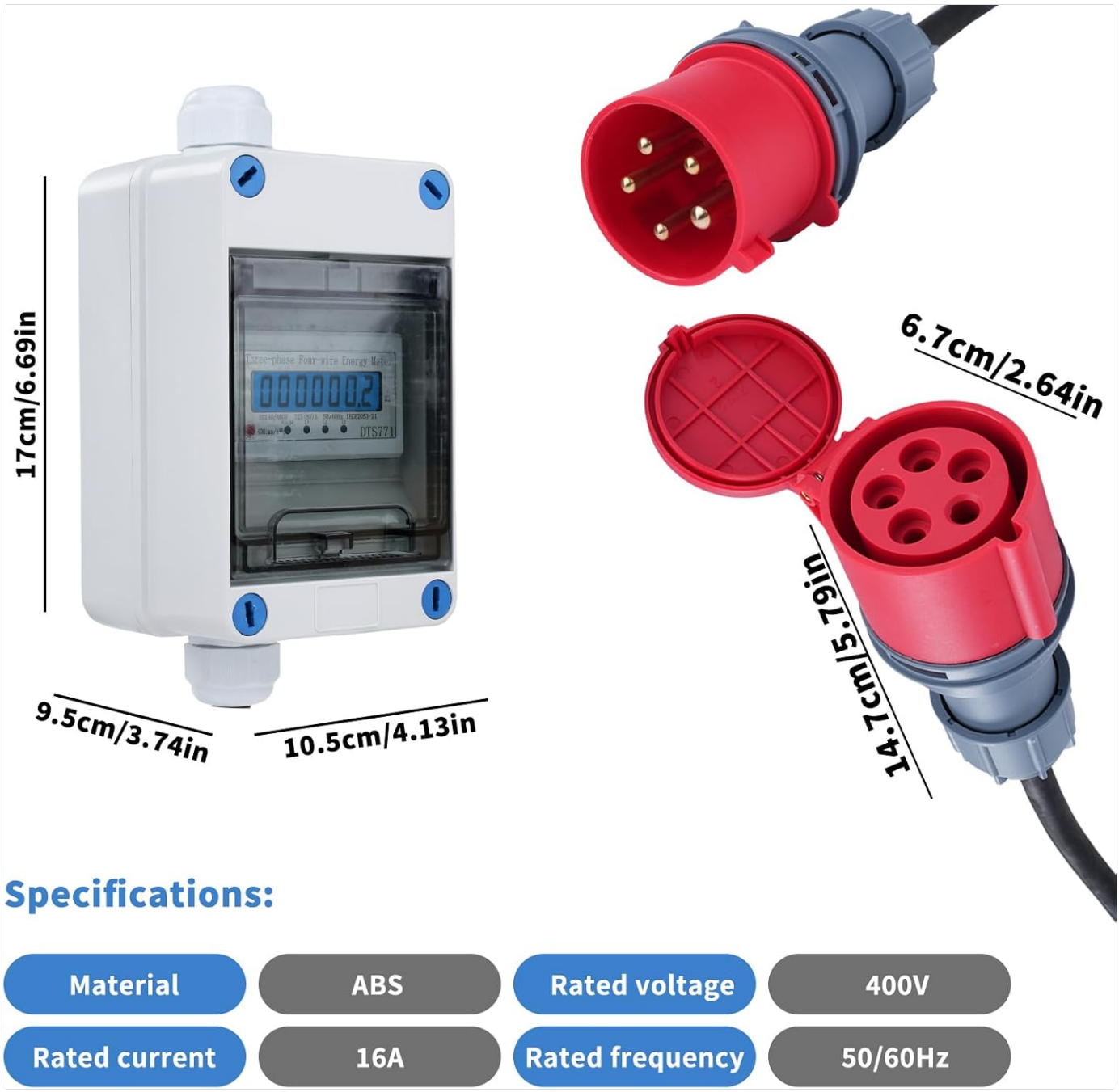


Image 7: Dimensional diagram and summarized specifications of the meter and its components.

9. Warranty and Support

DEWIN products are manufactured to high-quality standards. For warranty information or 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.

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