CHACON EcoWatt 650

CHACON EcoWatt 650 Energy Meter User Manual

INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient use of your CHACON EcoWatt 650 Energy Meter. This device is designed to help you monitor and understand your electricity consumption, enabling better energy management and potential energy savings.

SAFETY INFORMATION

- Read all instructions thoroughly before operating the device.
- Do not disassemble, modify, or attempt to repair the device. Refer servicing to qualified personnel.
- Ensure the device is connected to a properly grounded electrical outlet.
- Do not expose the device to water, moisture, or extreme temperatures.
- Keep the device out of reach of children.
- The maximum load for this device is 3.5 kW (3500 Watts) and 6 Amps. Do not exceed these limits to prevent damage or safety hazards.

PACKAGE CONTENTS

- CHACON EcoWatt 650 Energy Meter (Main Unit with Plug)
- Remote Display Unit with 1.20m Cable
- User Manual (this document)

PRODUCT OVERVIEW

The CHACON EcoWatt 650 consists of two main parts: a main unit that plugs into a wall socket and provides an outlet for your appliance, and a remote display unit connected by a 1.20-meter cable.

Figure 1: CHACON EcoWatt 650 Energy Meter, illustrating the main plug-in unit on the left and the remote display unit on the right, connected by a white cable.

Figure 2: Close-up view of the remote display unit, highlighting the LCD screen and control buttons (SET, TOTAL/V, UP/DOWN, MODE, RESET) at the bottom.

Key Components:

- **Main Unit:** This component plugs directly into a standard wall socket and features an integrated outlet for connecting the appliance you wish to monitor.

- **Remote Display Unit:** Equipped with an LCD screen and push-button controls, this unit displays various data points. It is connected to the main unit via a 1.20-meter cable, allowing flexible placement.

- **Control Buttons:** The display unit includes buttons labeled SET, TOTAL/V, UP/DOWN (indicated by triangle symbols), MODE, and RESET for navigation and configuration.

SETUP

1. **Unpack:** Carefully remove the CHACON EcoWatt 650 Energy Meter and its components from the packaging.

2. **Connect to Power:** Plug the main unit of the EcoWatt 650 into a standard, grounded wall outlet.

3. **Appliance Connection:** Plug the electrical appliance you intend to monitor into the outlet provided on the main unit of the EcoWatt 650.

4. **Initial Display:** The remote display unit should power on automatically, showing initial readings or a default screen.

5. **Wall Mount (Optional):** The remote display unit can be wall-mounted for convenience. Use appropriate fasteners (not included) for secure installation.

OPERATION

Basic Monitoring

Once properly connected, the EcoWatt 650 will immediately begin monitoring the power consumption of the connected appliance. The display will show various data points, which can be cycled through manually.

Setting Time and Tariff

1. Press the **SET** button to enter the settings mode.

2. Use the **UP/DOWN** buttons (triangle symbols) to adjust values such as time, day, and tariff rates.

3. Press **SET** again to confirm your selection and proceed to the next setting option.

4. The device supports an **adjustable double rate** feature, allowing for cost calculations based on different electricity tariffs (e.g., peak and off-peak hours). Consult your electricity provider for specific tariff details.

Navigating Display Modes

Press the **MODE** button repeatedly to cycle through the available display screens and view different measurement parameters:

- **Power (Watts):** Displays the instantaneous power consumption of the connected appliance.

- **Consumption (kWh):** Shows the total accumulated energy consumption over time.

- **Voltage (Volts):** Indicates the current line voltage from the electrical outlet.

- **Ampere (Amps):** Displays the current draw of the connected appliance.

- **Cost:** Provides a calculated cost based on the accumulated consumption and the configured tariff rates.

Resetting Data

To clear all accumulated data, including total consumption and calculated cost, press the **RESET** button. This action is useful when you wish to start a new monitoring period or clear erroneous readings.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water.

- **Storage:** When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.

- **Inspection:** Periodically inspect the power cable and plug for any signs of damage, fraying, or loose connections. Discontinue use if damage is observed.

TROUBLESHOOTING

Display is blank or not showing readings.

Ensure the main unit is securely plugged into a live wall outlet. Verify that the appliance is correctly connected to the meter and is drawing power. Check if the wall outlet itself is functional.

Readings appear incorrect or inconsistent.

Confirm that the connected appliance is operating normally. If cost calculations are inaccurate, review and adjust the tariff settings. Try performing a full reset of the device.

Device does not respond to button presses.
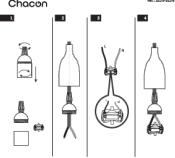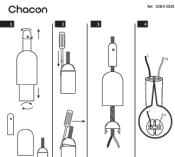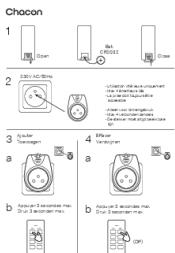
Press the **RESET** button. If the issue persists, unplug the entire unit from the wall outlet for a few minutes, then plug it back in to perform a hard reset.

SPECIFICATIONS

Feature	Specification
Model	EcoWatt 650
Brand	CHACON
Max Power	3.5 kW (3500 Watts)
Max Amperage	6 Amps
Voltage	220 Volts
Cable Length	1.20 meters
Material	PVC
Mounting Type	Wall Mount (for display unit)
Controls	Push Button
Special Features	Remote Display Unit, Adjustable Double Rate Tariff

WARRANTY AND SUPPORT

For detailed warranty information, terms and conditions, and technical support, please refer to the documentation provided with your original purchase. You may also visit the official CHACON website for further assistance. Please retain your proof of purchase for any warranty claims.

Related Documents - EcoWatt 650

	[Chacon 32175-32176 Installation Guide and Instructions](#) Step-by-step installation instructions for the Chacon 32175-32176 electrical accessory, including assembly diagrams described textually, manufacturer details, and recycling information. This guide is designed for clarity and accessibility.
	[Chacon Wi-Fi Timer User Manual (53022/53023)](#) User manual for the Chacon Wi-Fi Timer plug (models 53022 and 53023), detailing setup, usage, troubleshooting, and technical specifications. Compatible with My Chacon and DiO one apps, and voice control via Google Home and Amazon Alexa.
	[Manual de Instalação e Utilizador do Vídeoporteiro CHACON (Modelos 34801, 34802)](#) Guia completo para a instalação e utilização do vídeoporteiro CHACON, incluindo especificações técnicas, resolução de problemas e notas de segurança.
	[Chacon 32180-32181 Lamp Holder Installation Guide](#) Step-by-step instructions for installing the Chacon 32180-32181 lamp holder. Includes wiring guidance and product information.
	[Manuel d'utilisation et spécifications du programmateur Wi-Fi Chacon 53025/53026](#) Guide détaillé pour l'installation et l'utilisation du programmateur Wi-Fi Chacon (modèles 53025, 53026), incluant la création de compte, la connexion Wi-Fi, l'utilisation, le dépannage et les spécifications techniques.
	[Chacon Remote Control Socket User Manual and Specifications](#) User manual and technical specifications for Chacon remote control sockets, including setup, usage, and safety information. Covers models 54661, 54662, 54663, and 54664.