

## Ponii PN1500

# Ponii PN1500 Portable Electricity Usage Monitor User Manual

Model: PN1500

## 1. INTRODUCTION

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The Ponii PN1500 is a portable micro electricity usage monitor designed to measure and display various electrical parameters of connected appliances. This device helps users understand their power consumption in real-time, track cumulative energy usage, and identify energy-inefficient devices. It features a clear backlit display, simple operation, and memory retention for recorded data.

## 2. SAFETY INFORMATION

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- Do not exceed the maximum load capacity of 1500W or 14A at 110V. Exceeding these limits can damage the device and connected appliances, and poses a fire hazard.
- Ensure the device is used with a stable power supply within the specified voltage range (100V-140V).
- Do not disassemble or modify the device. Refer all servicing to qualified personnel.
- Keep the device away from water, moisture, and extreme temperatures.
- This device is not compatible with solar power inverters.
- Always ensure proper grounding for connected appliances.
- Unplug the device from the wall outlet before cleaning. Clean only with a dry cloth.

## 3. PRODUCT OVERVIEW

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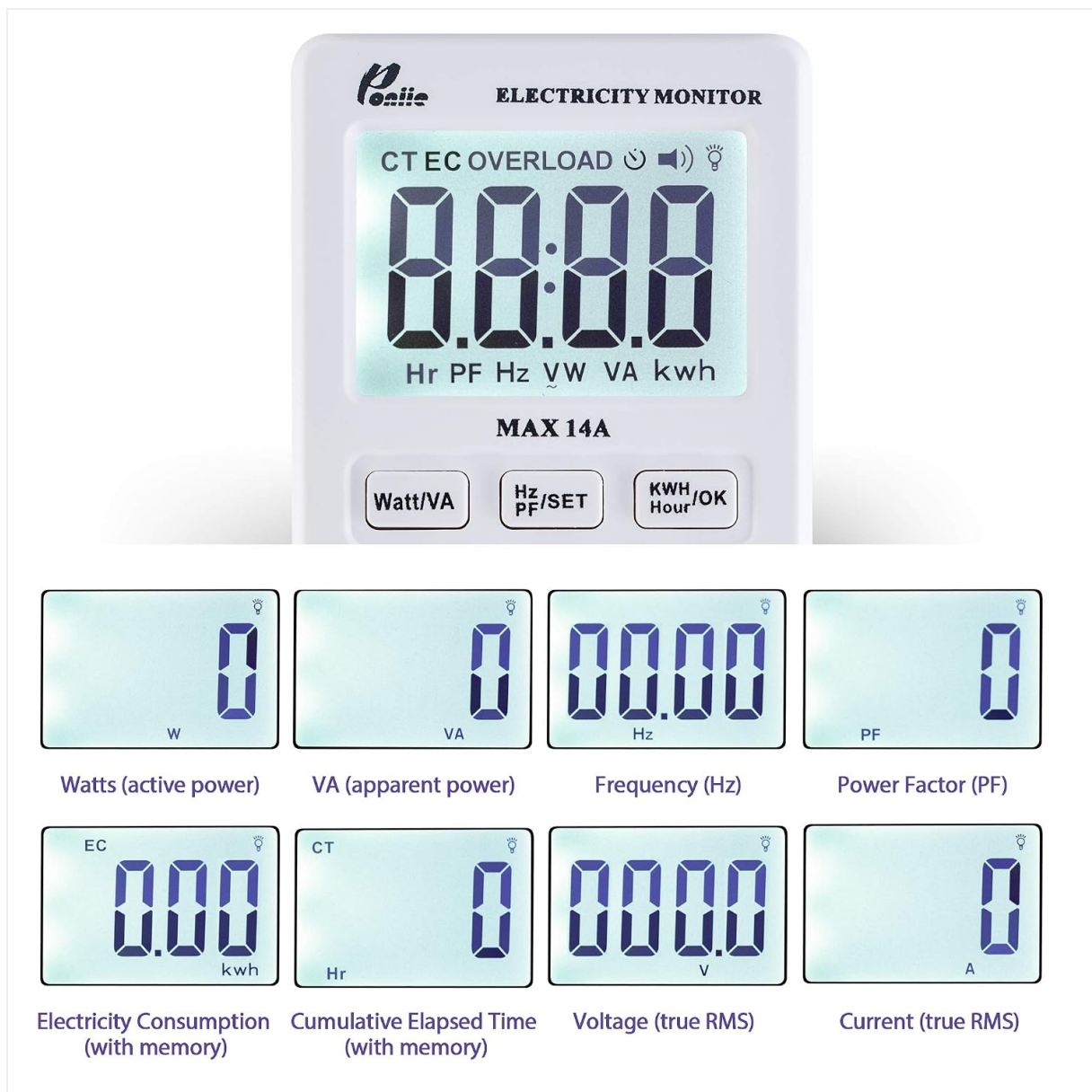
### 3.1 Device Components



**Figure 3.1:** Front view of the Ponie PN1500 Electricity Usage Monitor, showing the display, control buttons, and power outlet.

The Ponie PN1500 features a compact design with a large LCD display and intuitive control buttons. The device plugs directly into a standard 110V wall outlet, providing a pass-through outlet for the appliance to be monitored.

### **3.2 Display and Buttons**



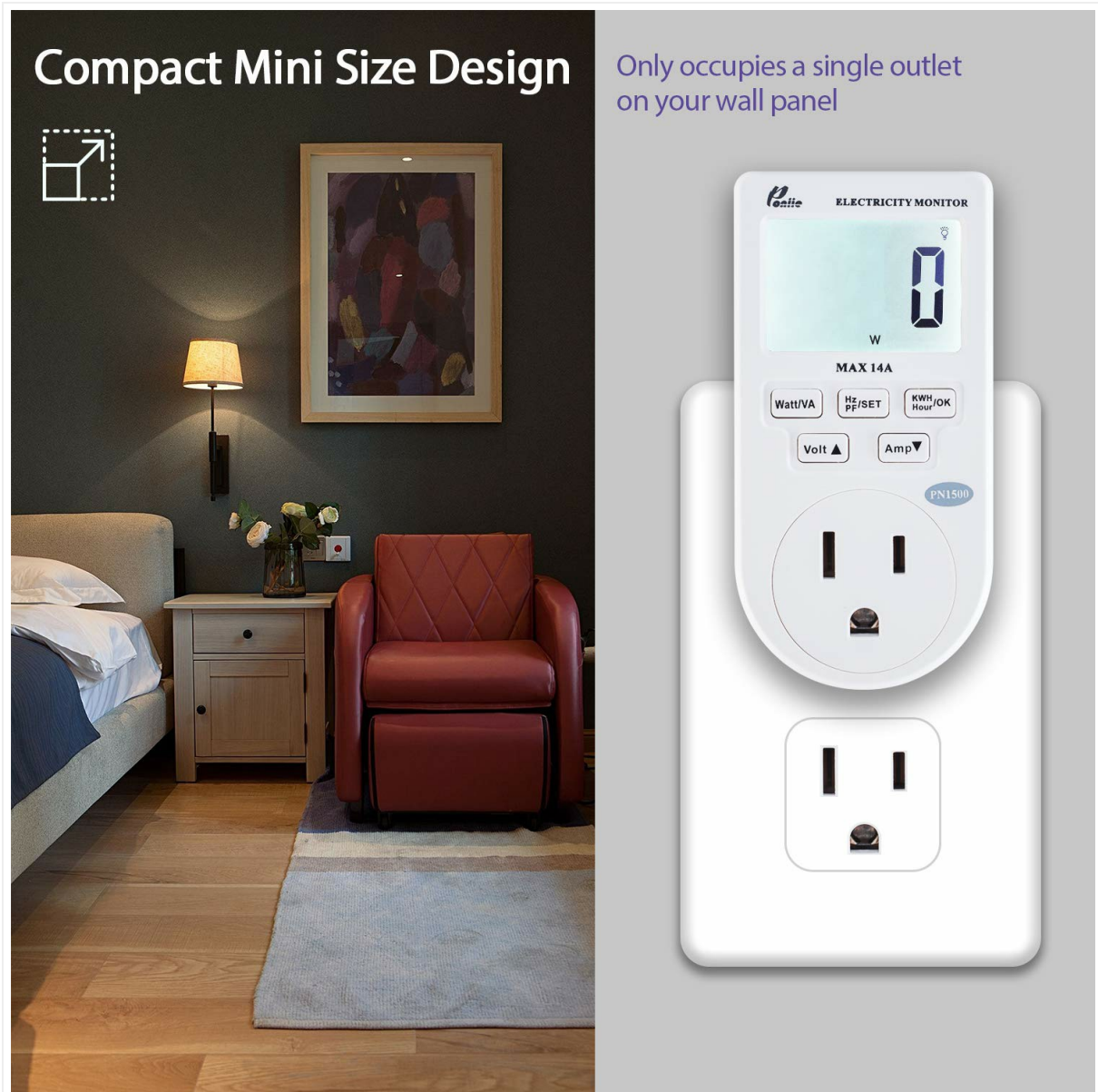
**Figure 3.2:** Detailed view of the Poniie PN1500 display, illustrating various measurement modes such as Watts, VA, Hz, PF, kWh, Hours, Volts, and Amps. The image also highlights the function of each button.

- **LCD Display:** Shows real-time measurements and cumulative data. Features a backlight for visibility in low-light conditions.
- **Watt/VA Button:** Toggles between Watts (active power) and VA (apparent power) display.
- **Hz/PF/SET Button:** Toggles between Frequency (Hz) and Power Factor (PF). Also used for setting parameters or resetting data in combination with the KWH/OK button.
- **KWH/OK Button:** Toggles between cumulative Kilowatt-hours (kWh) and cumulative elapsed time (Hr). Also used to confirm actions or reset data.
- **Volt Button:** Displays the current voltage (V).
- **Amp Button:** Displays the current amperage (A).

## 4. SETUP

1. **Plug in the Monitor:** Insert the Poniie PN1500 directly into a standard 110V wall outlet. Ensure it is securely seated.
2. **Connect Appliance:** Plug the appliance you wish to monitor into the outlet provided on the front of the PN1500.

3. **Initial Display:** The monitor will power on and typically display the current wattage (W) of the connected appliance.



**Figure 4.1:** The Ponie PN1500 monitor plugged into a wall outlet, demonstrating its compact size and how it occupies a single outlet.

## 5. OPERATING INSTRUCTIONS

### 5.1 Viewing Electrical Parameters

Press the respective buttons to cycle through or display different electrical parameters:

- Press **Watt/VA** to switch between Watts (W) and VA (Apparent Power).
- Press **Hz/PF/SET** to switch between Frequency (Hz) and Power Factor (PF).
- Press **Volt** to display the current Voltage (V).
- Press **Amp** to display the current Amperage (A).
- Press **KWH/OK** to switch between cumulative Kilowatt-hours (kWh) and cumulative elapsed time (Hr).



**Figure 5.1:** The Ponii PN1500 displaying power consumption while monitoring a kitchen kettle, illustrating its use in identifying energy usage.



## Energy Usage Monitor

Counts power consumption by kilowatt-hours and assess what appliances are actually worth keeping

**Figure 5.2:** A collage showing the Ponii PN1500 in use with various household electronics such as a computer setup, lamp, oven, hairdryer, bread maker, television, and space heater, demonstrating its versatility.

### 5.2 Backlight Control

The display backlight is typically on by default. To conserve energy or for preference, you can adjust its behavior. A quick press of any measurement button (Watt/VA, Hz/PF/SET, KWH/OK, Volt, Amp) will activate the backlight if it's off. Be aware that pressing a measurement button to activate the backlight will also cycle the display to the next parameter for that button. For example, if the display is showing Watts and the backlight is off, pressing the **Watt/VA** button will turn on the backlight and switch the display to VA.

### 5.3 Resetting Cumulative Data

To reset the cumulative Kilowatt-hours (kWh) and elapsed time (Hr) data:

1. Ensure the display is showing either kWh or Hr.
2. Simultaneously **press and hold** the **Hz/PF/SET** button, then **tap** the **KWH/OK** button.
3. The cumulative data will reset to zero.

*Note: The device retains cumulative data even when unplugged, thanks to its built-in memory.*

## 6. MAINTENANCE

- **Cleaning:** Disconnect the monitor from the power outlet and wipe the exterior with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Inspection:** Periodically inspect the device for any signs of damage, such as cracks in the casing or frayed wires. Do not use if damaged.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
<b>Display shows "OVERLOAD"</b>	The connected appliance exceeds the maximum wattage (1500W) or amperage (14A) capacity of the PN1500.	Immediately unplug the appliance from the PN1500. Do not use the PN1500 with this appliance. Ensure the appliance's power requirements are within the monitor's specifications.
<b>No display/Device not turning on</b>	No power from the wall outlet; device malfunction.	Check if the wall outlet is functional by plugging in another device. Ensure the PN1500 is fully inserted into the outlet. If the problem persists, the device may be faulty.
<b>Readings appear inaccurate</b>	Loose connection; appliance drawing very low power; environmental factors.	Ensure all connections are secure. The PN1500 has a start detection of 0.20W, so very low power devices might show minimal or no reading. Compare readings with another known power meter if available.
<b>Backlight not staying on</b>	Backlight auto-off feature is active.	This is normal behavior if the auto-off feature is enabled. Press any measurement button to temporarily illuminate the display.

## 8. SPECIFICATIONS

**Model:** PN1500

**Brand:** Poniiie

**Power Source:** AC (110V nominal, 100V-140V range)

**Maximum Load:** 1500W / 14A (at 110V)

**Accuracy Class:** 1.0

**Resolution:** 0.01W, 0.1V, 0.01A

**Start Detection:** 0.20W

**Memory:** Cumulative Kilowatt-hours and elapsed time retained.

**Product Dimensions:** 3.74 x 1.85 x 2.36 inches

**Item Weight:** 13.05 ounces (370 Grams)

**Material:** Full ABS fire retardant material housing

**Date First Available:** October 18, 2019

## 9. WARRANTY AND SUPPORT

The Poniiie PN1500 Electricity Usage Monitor comes with a **1-YEAR Warranty** provided by Poniiie.

For technical support, warranty claims, or further inquiries, please contact Poniiie customer service through their official website or the retailer where the product was purchased. Please have your model number (PN1500) and purchase date available when contacting support.

You can visit the Poniiie Store for more information: [Poniiie Store on Amazon](#)