



# User Manual

Model No: **PN2500**

Thank you for purchasing the Ponii Wi-Fi Wireless Power Usage Monitor.

Please read this manual carefully before using this product.

## Overview

The new designed device is able to measure **Watts** (active power)/**VA** (apparent power), **kWh** (Energy usage with hold over circuit memory), **Cumulative Working Time & Elapsed Time** (with hold over circuit memory), **Current** (true RMS), **Voltage** (true RMS), **Power Factor** (as  $\text{Watts/Vrms} \times \text{Arms}$ ), **Frequency** (Hz) and **Cost** (Forecast in Hour, Day, Month or Year).

This Plug Monitor is also designed with Wi-Fi wireless connectivity capabilities. Now you can add PN2500 to the Smart Life app to check all the parameters that mentioned above and set certain necessary parameters.

### Warning

To avoid electric shock or personal injury, read the “Safety Information” carefully before using the Monitor.

## Safety Information

1. Be sure to read, understand and follow all the instructions in this manual.
2. Before using this product, check to see if there are any cracks or missing plastic parts on the casing, and be aware of the insulation around connectors. Before using this product, check to see if there is any crack or short of plastic parts on the shell, pay attention to the insulation around the connectors. Do not use the product if it is damaged.
3. **DO NOT** use the equipment in wet environments, keep your hands dry.

4. **DO NOT** operate the monitor around explosive gas, vapor or dust.
5. **DO NOT** open the case of the meter or alter the internal circuit of the meter.
6. **DO NOT** allow children to operate this device, keep children stay away from the monitor.
7. **DO NOT** use or store the device in an environment of high temperature, humidity, explosive or inflammable field. The performance of the meter may deteriorate after dampened.
8. **NOTE:** The monitor works with all standard power supply, an inferior quality power source (with too much harmonic distortion) such as unqualified inverter may cause damage or shorten device's lifespan.

## Add Devices

### 1 Download Smart Life App



Please scan the QR code or download **Smart Life** on App store.

### 2 Registration or Log in your account

Enter the Register/Login interface, tap “Register” to create an account or choose “Log in” if you already have a Smart Life account.

### 3 Configure the Monitor to the App

**Preparation:** Plug the monitor into powered outlets to power on the device automatically; ensure your phone has been connected to the same Wi-Fi (Internet connection required) and put your phone as close as possible to the PN2500 Monitor.

**Note:** The App requires Bluetooth for the initial connection or new connections.

**Note:** The Monitor only supports 2.4G network. Make sure you have a 2.4G compatible network.

Then open Smart Life App and Click “add device” or “+” to add PN2500.

**Note:** the prompt page will automatically show the device on the top screen. If no searching device found, please try to reset or re-pair Wi-Fi.

#### **How to reset/re-pair Wi-Fi**

Press and hold the “WiFi” key on PN2500 for 5 seconds to disconnect or repair with the phone app. Wi-Fi indicator on the screen will flash for pair connection. Remove device in the app will totally reset the WiFi code.

### **Operation instructions**

#### **1. Backlight setting function**

Press “Wi-Fi” key to turn on/off backlight. You can also turn on or turn off the backlight through App settings.

#### **2. Button instruction**

##### **① Rate**

The rate is based on billed kWh. Press “Rate” key to show the billed kWhs (Default is \$ 0.125/kWh). Press and hold “Rate” key to enter setting mode. Press “▼” or “▲” to adjust value and press “↔” key to shift the setting numbers. After all adjustment done, please press and hold “OK” key to save and exit setting. You can also set the Rate through App-Settings.

## ② Cost

Costs are forecasted in hour, day, week, month, and year. The longer the appliance monitored by PN2500, the better accuracy you get. You can press “Cost” key to check in month, week, day, year and hour or check it through App-Settings.

## ③ kWh/T

Short press this key to check through **Energy** usage-C.E.C, cumulative working time-C.T and elapsed time-E.T.

C.T means the cumulative time when there is a load working. E.T means elapsed time after the monitor powered up.

Press and hold this key to reset Energy, C.T and E.T to 0. You can also reset them through App-Settings.

## ④ W/VA/OK

Short press this key to check through Watts, Max Watts and VA. Watts mean real-time active power of appliance. Max Watts mean the maximum power since the monitor was powered up. VA means the real-time apparent power.

**Overload alarm setting:** Press and hold "W/VA/OK" key to enter overload limit setting (Default value is 2500W ). Press "▼" or "▲" to adjust value and press "↔" key to shift the setting numbers. After all adjustments are done, press and hold "OK" key to save and exit setting. You can also set the overload alarm through App-Settings.

**⑤ PF/Hz/↔**

Press this key to check between Power Factor (PF) and AC Frequency (Hz).

**⑥ V/▲ - A/▼**

Press "V/▲" key to check between power voltage and maximum voltage value since the monitor was powered up.

Press "A/▼" key to check between power current and maximum current value since the monitor was powered up.

### General Specifications

Applicable power supply	AC 60-240V 60/50Hz
Maximum rated current	25A
Maximum power	3000W(@120V) / 5500W(@220V)
Measurable range	0.20W>
Maximum electricity consumption(CEC)	99,999 kWh
Maximum time(CT/ET)	0:00~999:59 (Hour : Minute)
Power factor	0.000-1.000
Backlight function	ON/OFF can be set

Accuracy standard	Class 1.0
Active energy constant	6400imp/kWh
Resolution	0.01W, 0.001A, 0.01V
Power dissipation	<1.00W
Storage temperature	-20~60°C
Inner & outer Material	Heat resistance-fireproofing ABS

#### **⚠IMPORTANT:**

- 1) Please do not overload (3000W at 120V) the device at any time. Failure to comply with the instructions given in this manual and/or using the device in ways other than the ones mentioned in this manual may result in serious injury and/or damage to the product.
- 2) The inner and outer device material is made of high heat resistance ABS fireproofing material. If the load power is large and working for a long time, the inside monitor may feel hot, which is normal, please rest assured. If use open flame to light the material, it will be extinguished immediately when the flame is removed. Still, you need to use this device carefully to avoid any fire hazard.

#### **Warranty**

The warranty period for quality related issues of this product is one year. If the device does not operate properly or has any other faults, please always feel free to contact Ponii Customer Service at any time. We will provide you with best service and do our best to help you.

**FCC Warning:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Caution:** Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.