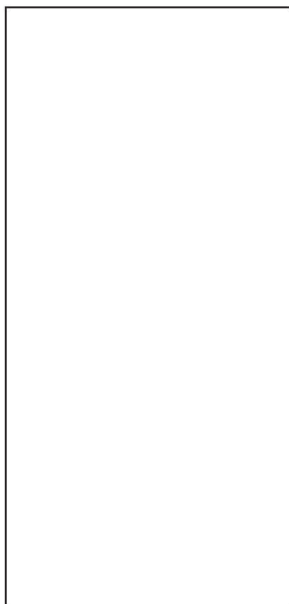




# User Manual



**Model No: PN2500**

**Thank you for purchasing the Ponnie 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 Watts/Vrms\*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.

### **Safety Information**

#### **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 Ponie Customer Service at any time. We will provide you with best service and do our best to help you.**