



FranklinWH app User Manual

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Please read this document carefully to ensure the best reliability of the product and your warranty eligibility. For further information about warranty, please refer to the **Franklin Home Power Limited Warranty**.

This document is intended for use by professional installation and maintenance service providers only and no statements, information or recommendations in this document constitute any express or implied warranty.



Please read this document carefully before installing or using the Franklin Home Power equipment. Failure to follow any instructions or warnings in this document may result in damage to the equipment, personal electric shock, severe injury, or even death.

Product Information

Franklin Home Power (FHP) is composed of aPower, aGate and other electrical components, and this document applies only to the following products: aPower X and aGate X.

FranklinWH Technologies Co., Ltd. ("FranklinWH") reserves the right to make any improvements to the product, and the contents in this document shall be subject to updates without further notification.

All images and pictures provided in this Manual are only for demonstration purposes and may differ in detail from the product, based on the product version.

Feedback

If you have any questions or give us advice, please send us an email at: service@franklinwh.com

Disposal of Scrapped Products

Scrapped products (including their internal chemicals and electrical materials) should not be disposed of with household wastes. Please refer to your local laws and regulations regarding disposal.



CONTENTS

1 FranklinWH app Introduction 4

2 Sign Up..... 5

3 Main Screen..... 6

 3.1 Main – Now.....6

 3.2 Main – Today8

4 Side Menu..... 9

 4.1 History..... 10

 4.2 Modes..... 13

 4.3 Smart Circuits..... 27

 4.4 Backup..... 29

 4.5 More 30

1 FRANKLINWH APP INTRODUCTION

The FranklinWH app allows remote management of your Franklin Home Power (FHP) whole-house power management system at any time, from anywhere. You can set and choose personalized energy-saving strategies for your family and enjoy your life with the help of our special features.



NOTE

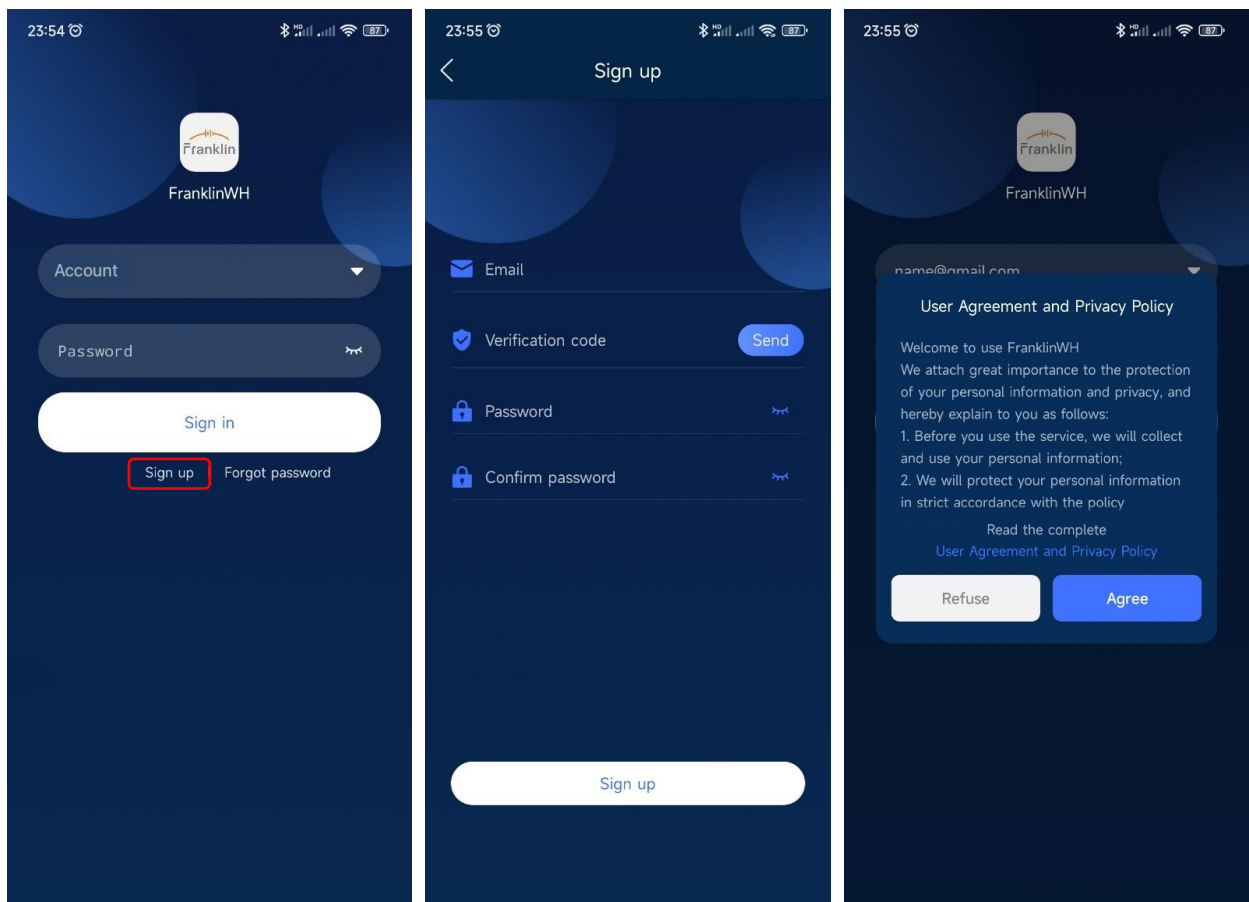
Local, physical settings always override app settings. Remote operation via the mobile application cannot be used as evidence of circuit safety, which must be checked and confirmed through on-site inspection. Not performing on-site inspection before work may lead to personal injury or even death.

To download the FranklinWH app, visit the [App Store](#) or [Google Play](#):



2 SIGN UP

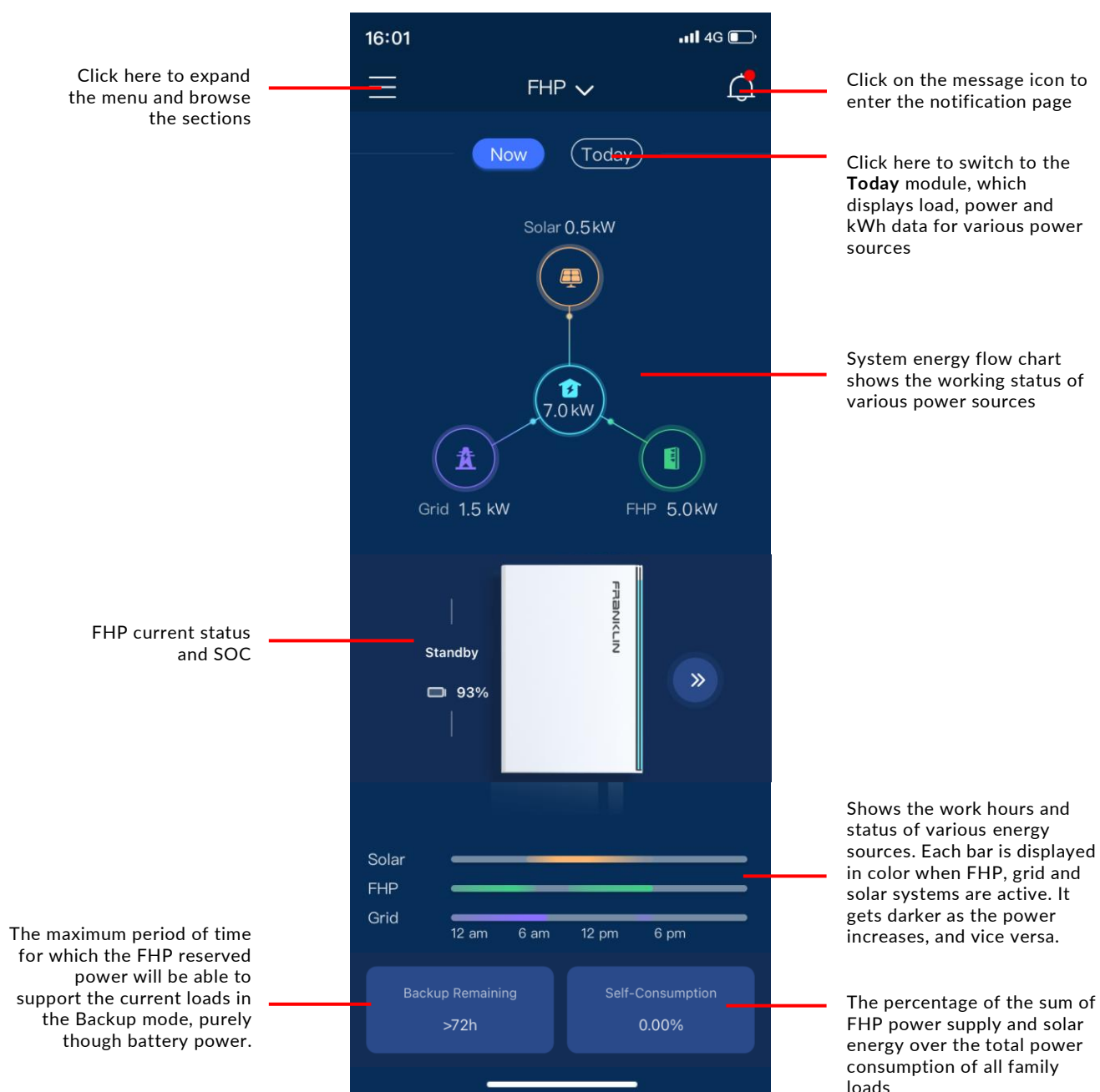
You need to sign up first before using the app. Please open the app, click on **Sign up toggle button to the Sign up screen**. Input your information and then click on **Sign up** bar to complete the registration process. You need to agree to our **User Agreement and Privacy Policy** before using the app. After signing up, you need to bind your FHP equipment to your account with the assistance of your installation service provider. After the binding operation, you will be able to monitor and operate your FHP remotely on the FranklinWH app.

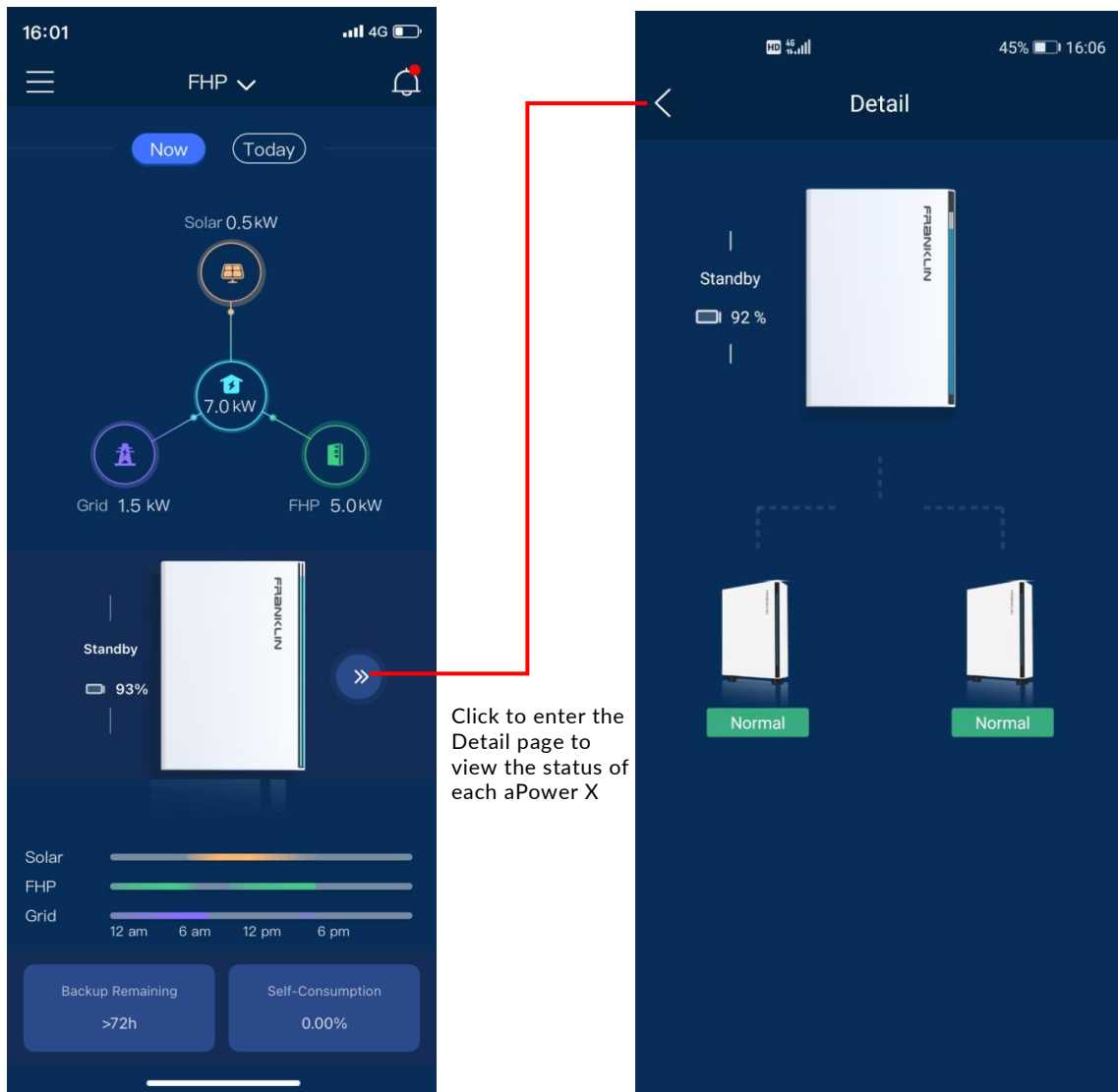


3 MAIN SCREEN

3.1 Main – Now

The main page of the FranklinWH app displays the real-time data of your FHP system under the **Now** option, where you can view the running status of various energy devices in your household.

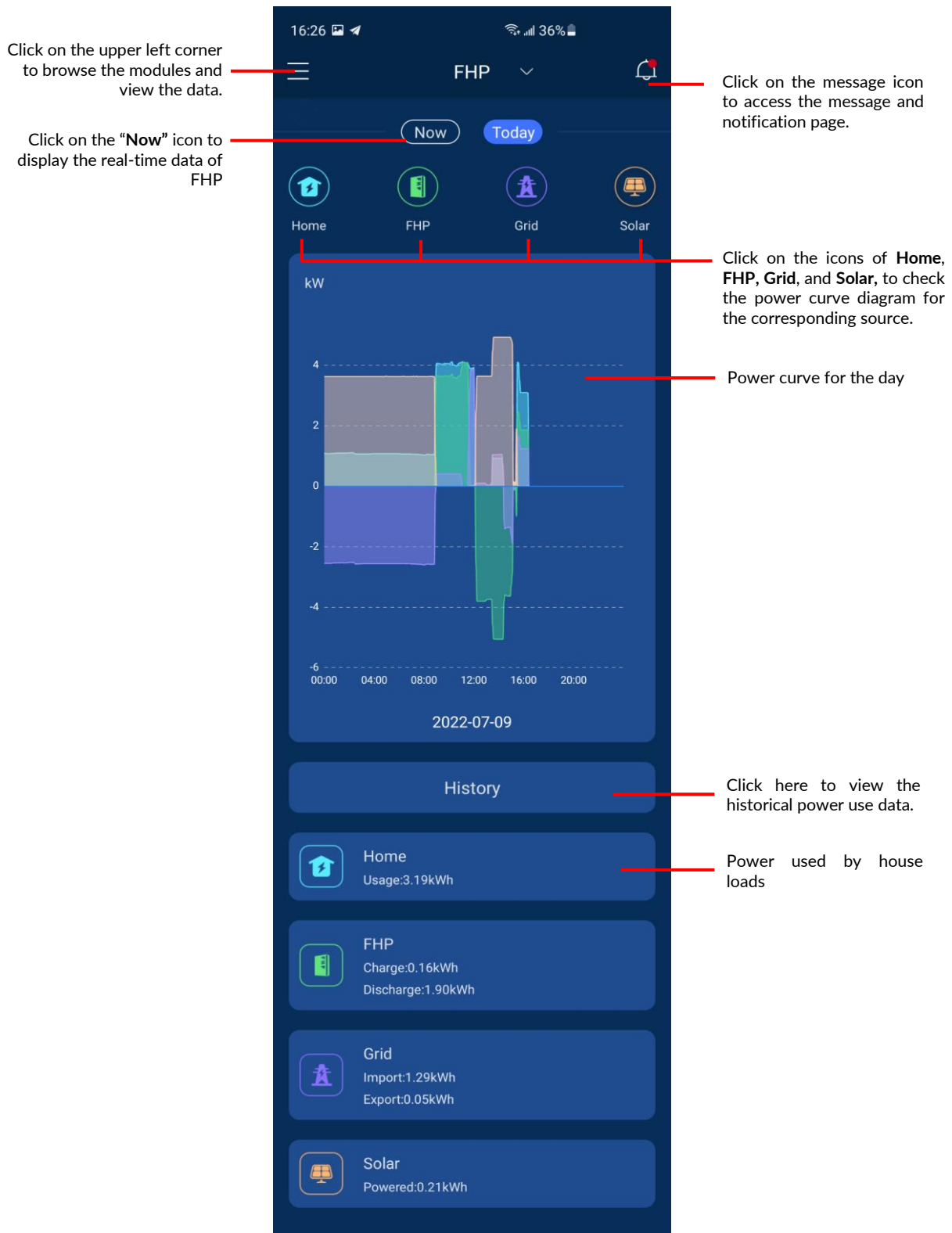




Power Flow interface	Icon	Meaning	Colored	Colorless	Positive value	Negative value
		Family Load	Online	Offline	Power consumed by loads	-
		FHP	Online	Offline	Discharging	Charging
		Solar	Running	Idle/Power meter failed	Solar power supply	-
		Grid	Running	Idle/Power meter failed	Grid power supply	Feed-in grid

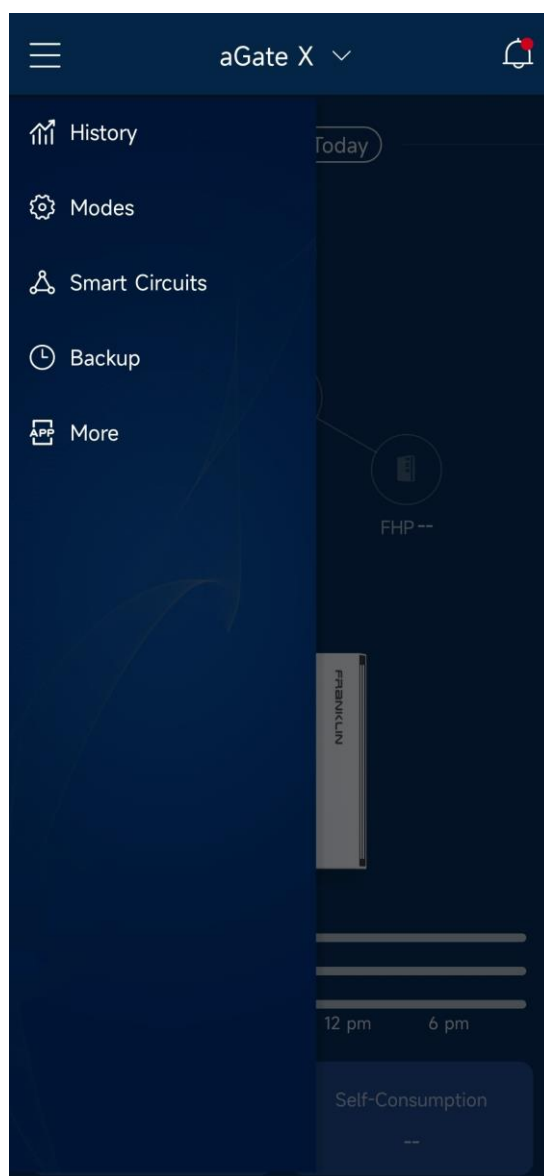
3.2 Main – Today

Click on the “**Today**” icon on the Main page to view the current day's electricity and energy consumption data for your home, FHP, grid, and solar power system.



4 SIDE MENU

Click on the menu in the upper left corner of the **Main** page to access the various modules of the application. We will describe History, Modes, Smart Circuits, Backup and More options in the following sections.



4.1 History

By clicking on “**History**” one the left menu, you can view the history power use data and export them to a statement.

Power

Click on “**Power**” to view the daily power data or jump to a specific day by selecting the desired date. By pressing and holding on the power curve, you can view the power data on the selected date, or you may zoom in using two fingers to view details and statistics of the power consumption of the day.



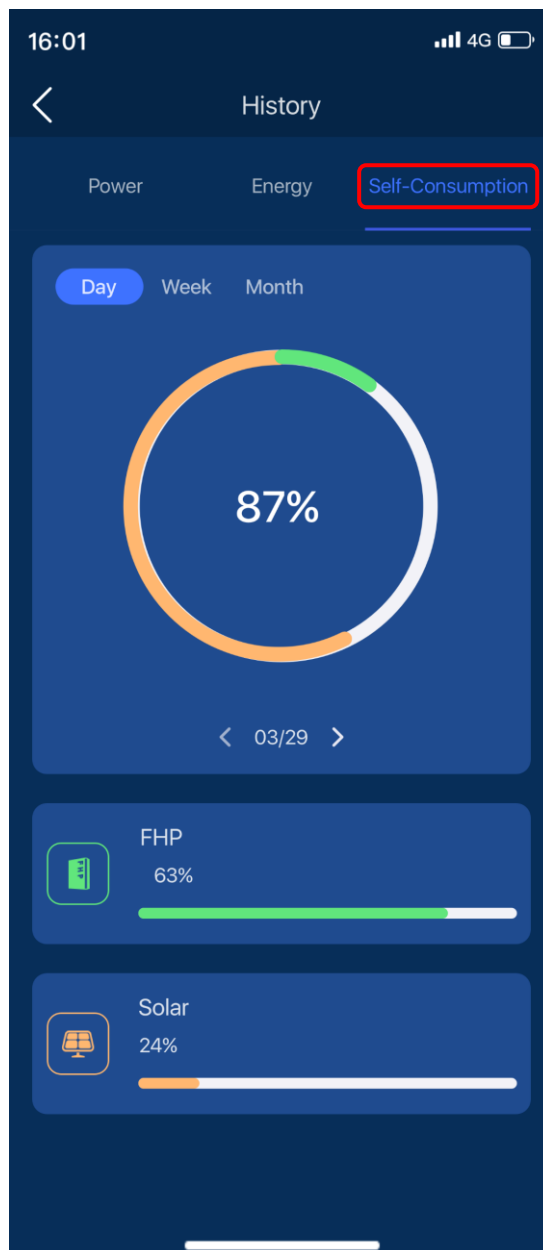
Energy

Click on “**Energy**” to view the power consumption data by several statistical methods. You can also jump to a specific week/month/year by selecting the desired date and can download all power consumption data in the selected period to your local device.



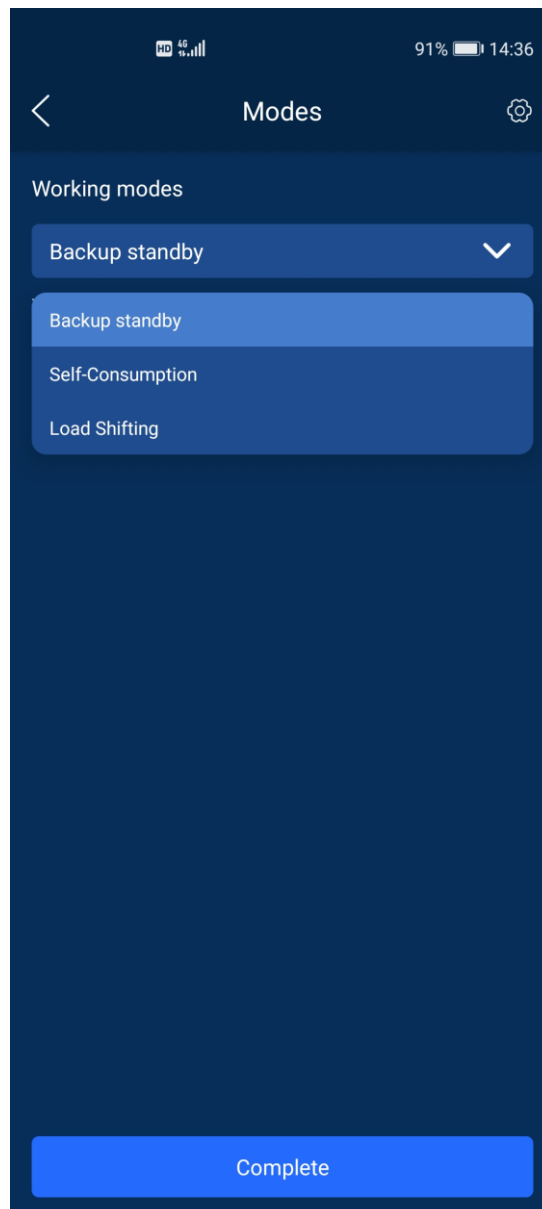
Self-Consumption

Click on “**Self-Consumption**” to view the general self-consumption data of the whole system and the self-consumption data of any single source.



4.2 Modes

Click on “**Modes**” to select the desired mode from Backup Standby, Self-Consumption, Load Shifting.



Backup Standby

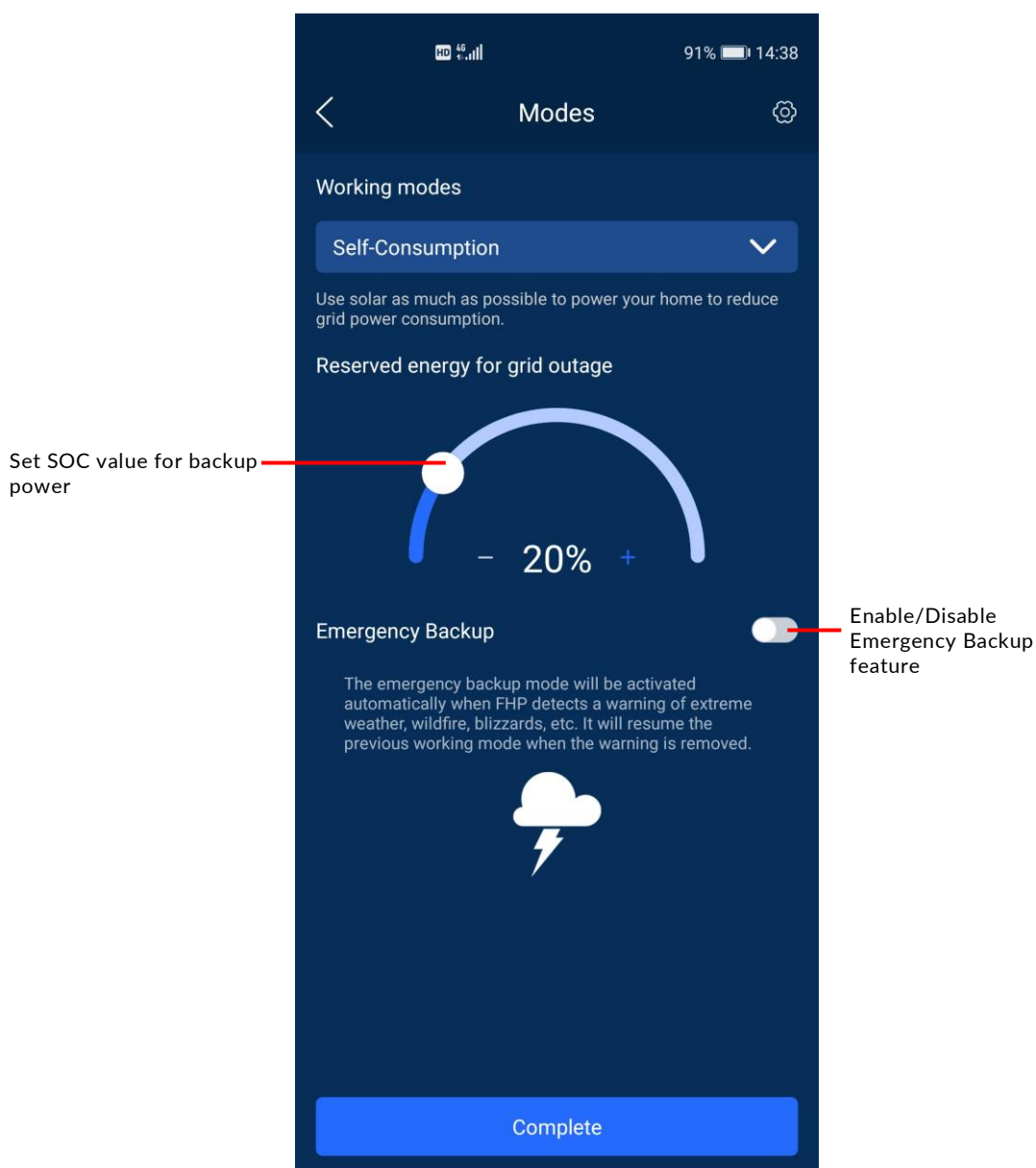
After the “**Backup Standby**” mode is selected, the FHP will immediately charge to 100% SOC and stay in the standby mode, where it serves as the power supply in case of any power supply interruption. FHP will not supply power for your home loads unless a power interruption occurs.



Self-Consumption

Once the “**Self-Consumption**” mode is selected, the excess electricity generated by the solar system will be stored in the FHP system in real-time. If the solar production is insufficient to power the home loads, FHP system will discharge as a supportive power source, thus helping to reduce electricity consumption from the grid.

In this mode, you can set the SOC value in reserve for backup power. The reserved power will not be consumed during normal hours but only when there is an unexpected grid outage.



Load Shifting

If the local electric power rate of the user is based on **“Time-of-Use”**, then the **“Load Shifting”** mode may be activated, where the user can set up the peak, valley, and normal hours.

This is the preferred mode under a time-of-use rate schedule in which mode the user can set the peak, valley(off-peak), and shoulder (normal) hours. The app provides for ten (10) defined periods per day, of any mix of the three types.

In this mode, you can set the SOC value in reserve for backup power. The reserved power will not be consumed during normal hours but only when there is an unexpected grid outage.

Peak: highest electric power price

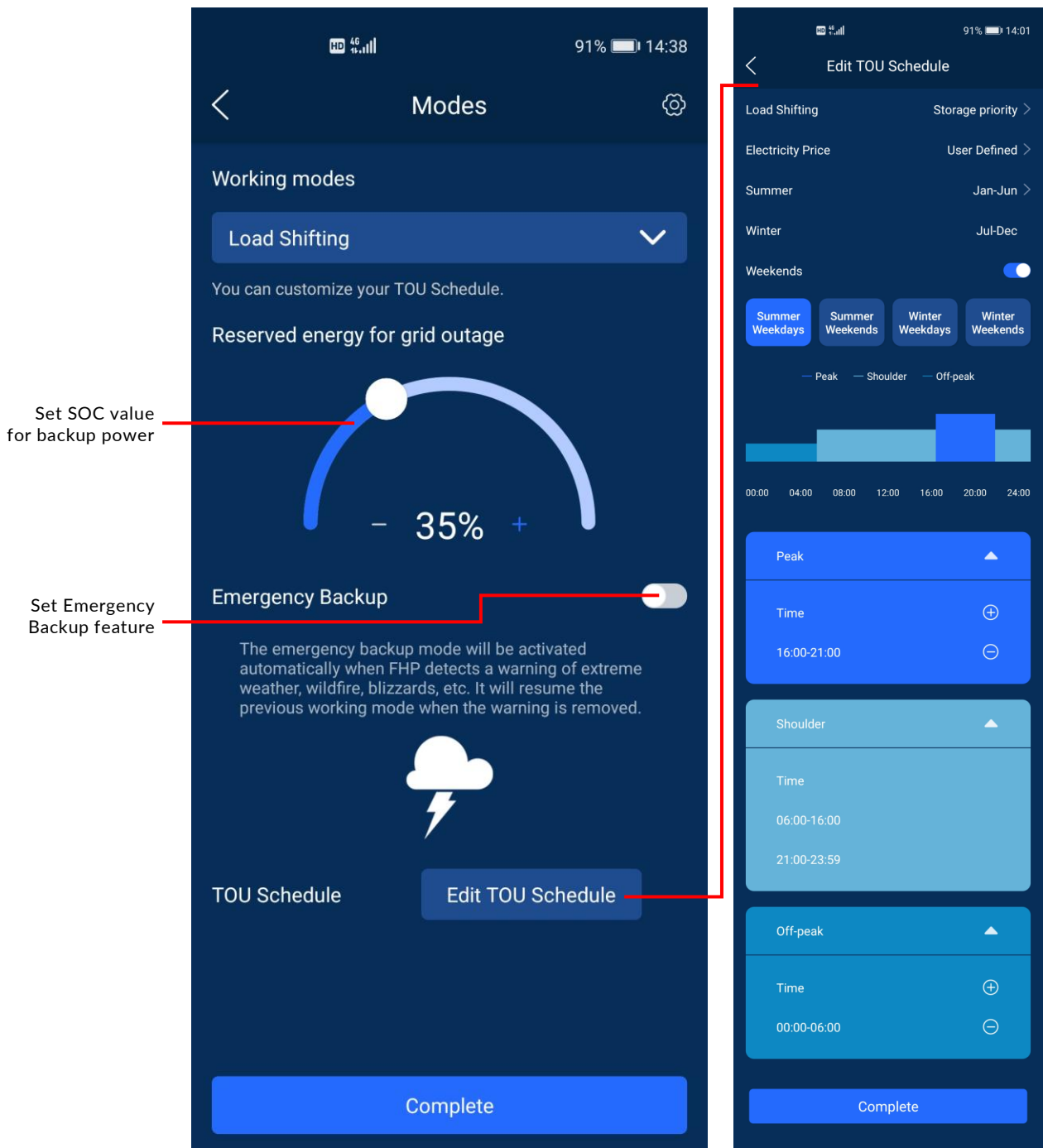
Valley: lowest electric power price

Normal: the rest hours

Load Shifting provides users with two options:

- Solar power to storage first
- Solar power to family loads first

		Solar power to storage first	Solar power to family loads first
Charging	Peak	The solar power will be prioritized to power the home, while the excess will charge the FHP.	The solar power will be prioritized to power the home, while the excess will charge the FHP.
	Off-Peak	The solar power will be prioritized to charge the FHP, while the excess will power the home	
Discharging	Peak	Power supply priority: Solar -> FHP -> Grid	
	Off-Peak	Smart power supply based on loads	



The screenshot shows the 'Edit TOU Schedule' screen in the FranklinWH app. The interface is dark-themed with blue and white text and icons. At the top, there's a status bar showing signal strength, 91% battery, and the time 14:01. Below the title 'Edit TOU Schedule', there are several settings sections: 'Load Shifting' with a 'Storage priority' option, 'Electricity Price' with a 'User Defined' option, 'Summer' with 'Jan-Jun' months, and 'Winter' with 'Jul-Dec' months. A 'Weekends' toggle is turned on. Below these are four buttons for 'Summer Weekdays', 'Summer Weekends', 'Winter Weekdays', and 'Winter Weekends'. A legend indicates three time periods: Peak (dark blue), Shoulder (medium blue), and Off-peak (light blue). A horizontal bar chart shows the current schedule for a 24-hour period. Below the chart, there are three main sections for editing: 'Peak', 'Shoulder', and 'Off-peak'. Each section has a 'Time' field with a '+' icon to add a period and a '-' icon to delete a period. The 'Peak' section currently shows '16:00-21:00'. The 'Shoulder' section shows '06:00-16:00' and '21:00-23:59'. The 'Off-peak' section shows '00:00-06:00'. At the bottom is a 'Complete' button. Red lines and text annotations point to specific features: 'Select TOU plan' points to 'Storage priority', 'Select Electricity Price' points to 'User Defined', 'Set the summer months' points to 'Jan-Jun', 'Enable weekends and weekdays settings' points to the 'Weekends' toggle, 'Set peak, shoulder, off-peak periods' points to the bar chart, 'Click the sign to add defined period' points to the '+' icon in the Peak section, and 'Click the sign to delete previously set period' points to the '-' icon in the Peak section.

Load Shifting Storage priority > Select TOU plan

Electricity Price User Defined > Select Electricity Price

Summer Jan-Jun > Set the summer months

Winter Jul-Dec

Weekends ☒ Enable weekends and weekdays settings

Summer Weekdays Summer Weekends Winter Weekdays Winter Weekends

— Peak — Shoulder — Off-peak

00:00 04:00 08:00 12:00 16:00 20:00 24:00 Set peak, shoulder, off-peak periods

Peak ▲

Time + Click the sign to add defined period

16:00-21:00 - Click the sign to delete previously set period

Shoulder ▲

Time

06:00-16:00

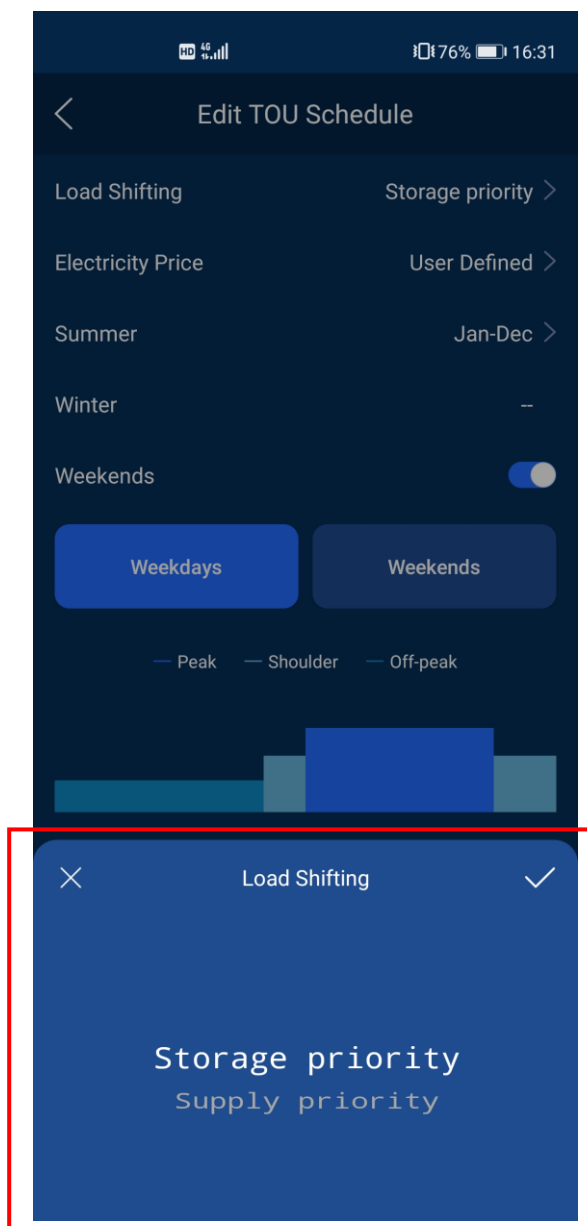
21:00-23:59

Off-peak ▲

Time +

00:00-06:00 -

Complete

Select the TOU plan: Storage priority or Supply priority

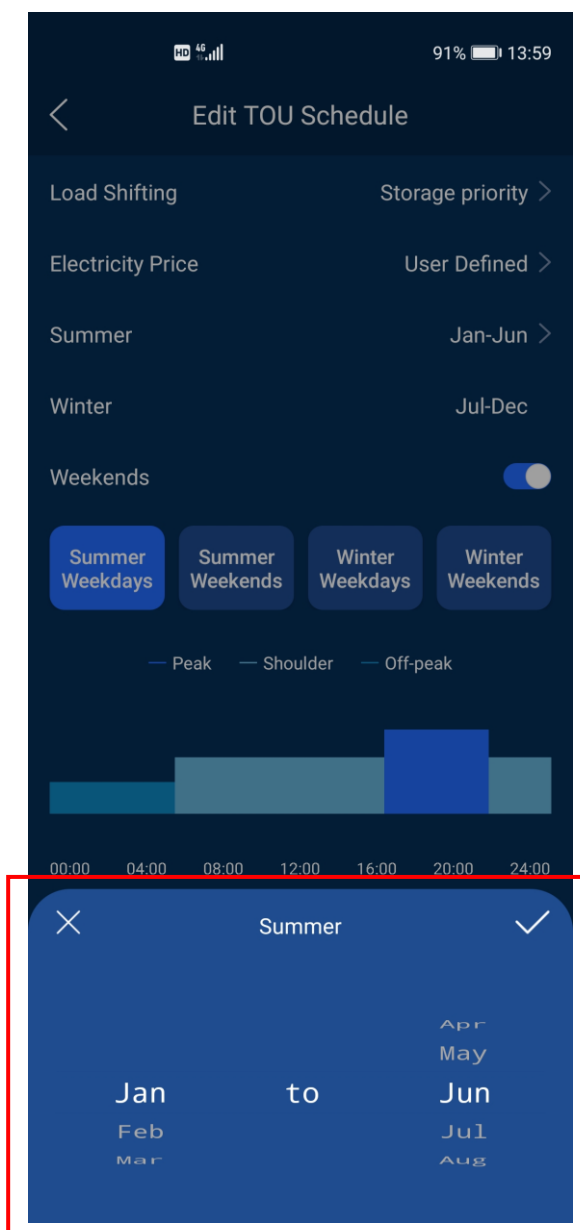
Select Electricity Price option

The screenshot shows the 'Electricity Price' screen in the FranklinWH app. The status bar at the top indicates 4G connectivity, 76% battery, and the time 16:31. The screen has a dark blue background. A white back arrow is in the top left corner. The title 'Electricity Price' is centered at the top. Below the title is a list of four options, each with a radio button and a chevron icon on the right:

- ☒ User Defined
- ☐ TOU-DR
- ☐ TOU-DR1
- ☐ TOU-DR2

At the bottom of the screen is a large blue button labeled 'Complete'.

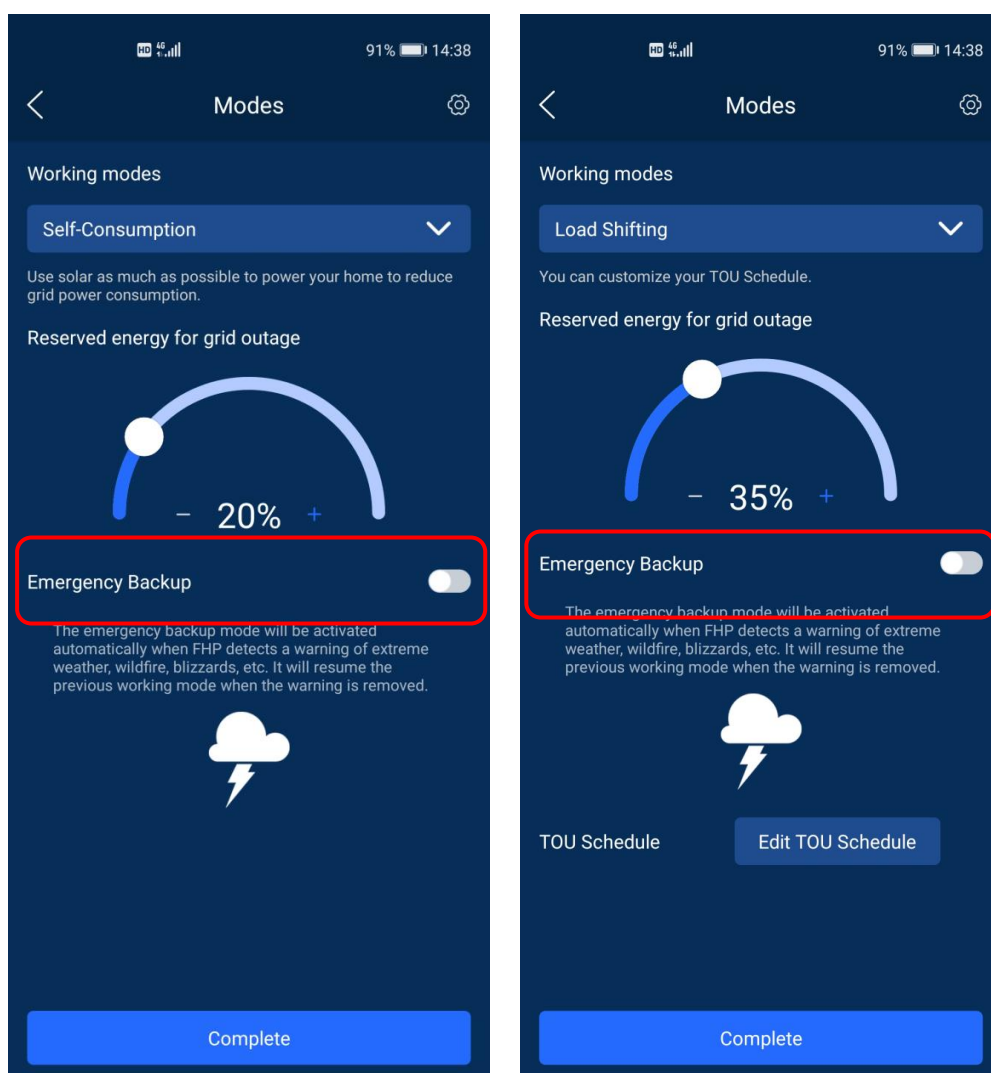
Set the summer months



Emergency Backup

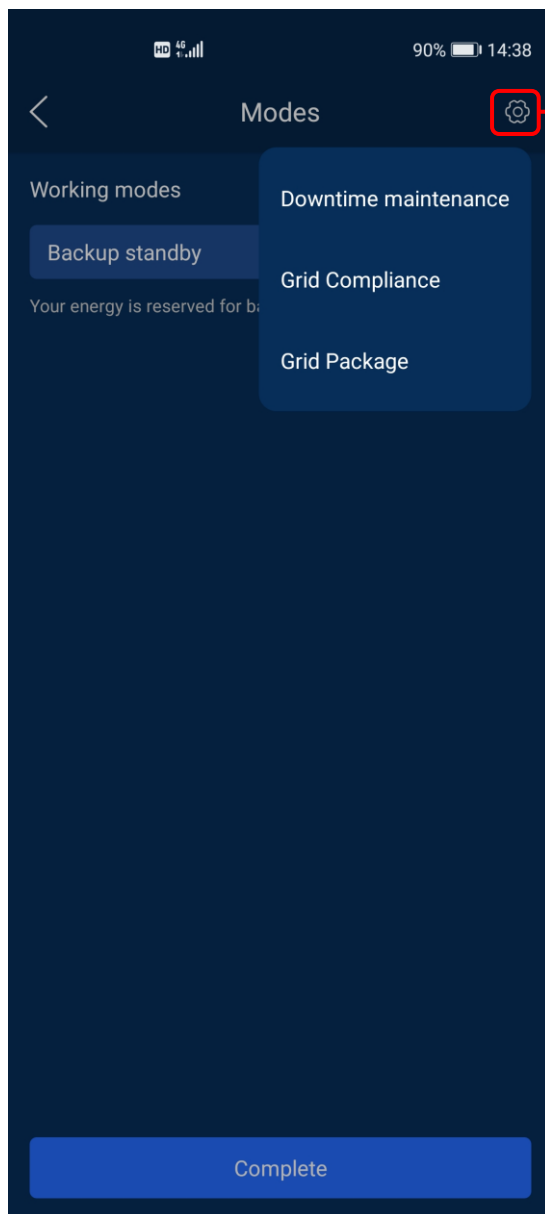
The Emergency Backup feature may be enabled under both the Self-Consumption and Load Shifting modes.

Once the feature is enabled, when an extreme climate event occurs, the FranklinWH app will receive the weather forecast from the local authority, send a warning message via the app, and then the FHP system will automatically enter the backup mode. When the extreme weather arrives, the FHP will power household loads, and when the extreme weather is over the FHP will restore the previous settings.



Downtime Maintenance, Grid Compliance, and Grid Package

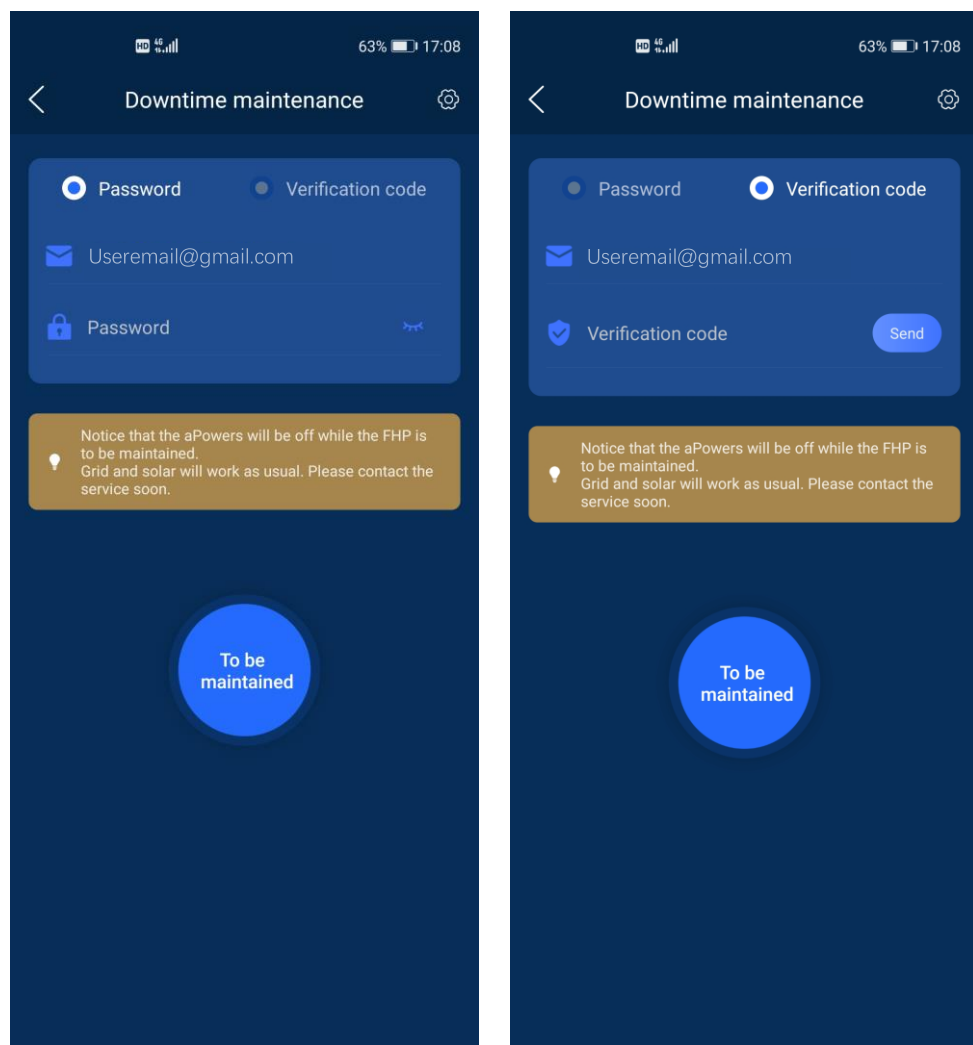
Click on the setting sign in the upper right corner to enable the **Downtime Maintenance**, and to check the **Grid Compliance** and **Grid Package** details.



Click on the sign to expand the menu and browse the sections

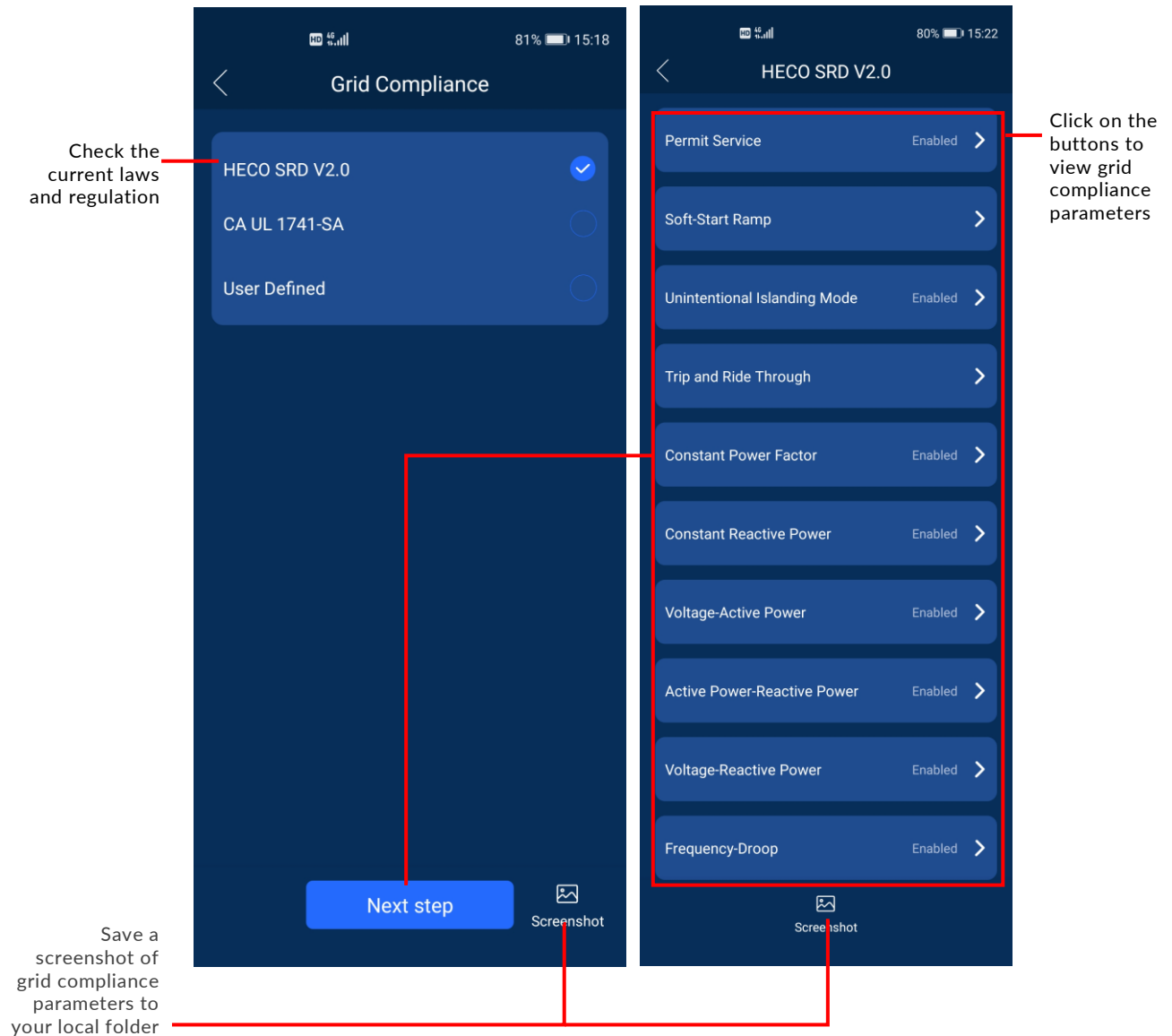
Downtime Maintenance

Click on “**Downtime Maintenance**” to enter **Downtime Maintenance** page. When FHP system needs maintenance or replacement, you can enable the **Downtime Maintenance** mode by verifying your identity via your email and password or verification code. Once this mode is enabled, the aPower X will immediately stop running, at the same time, solar and grid can also normally supply power to the home.



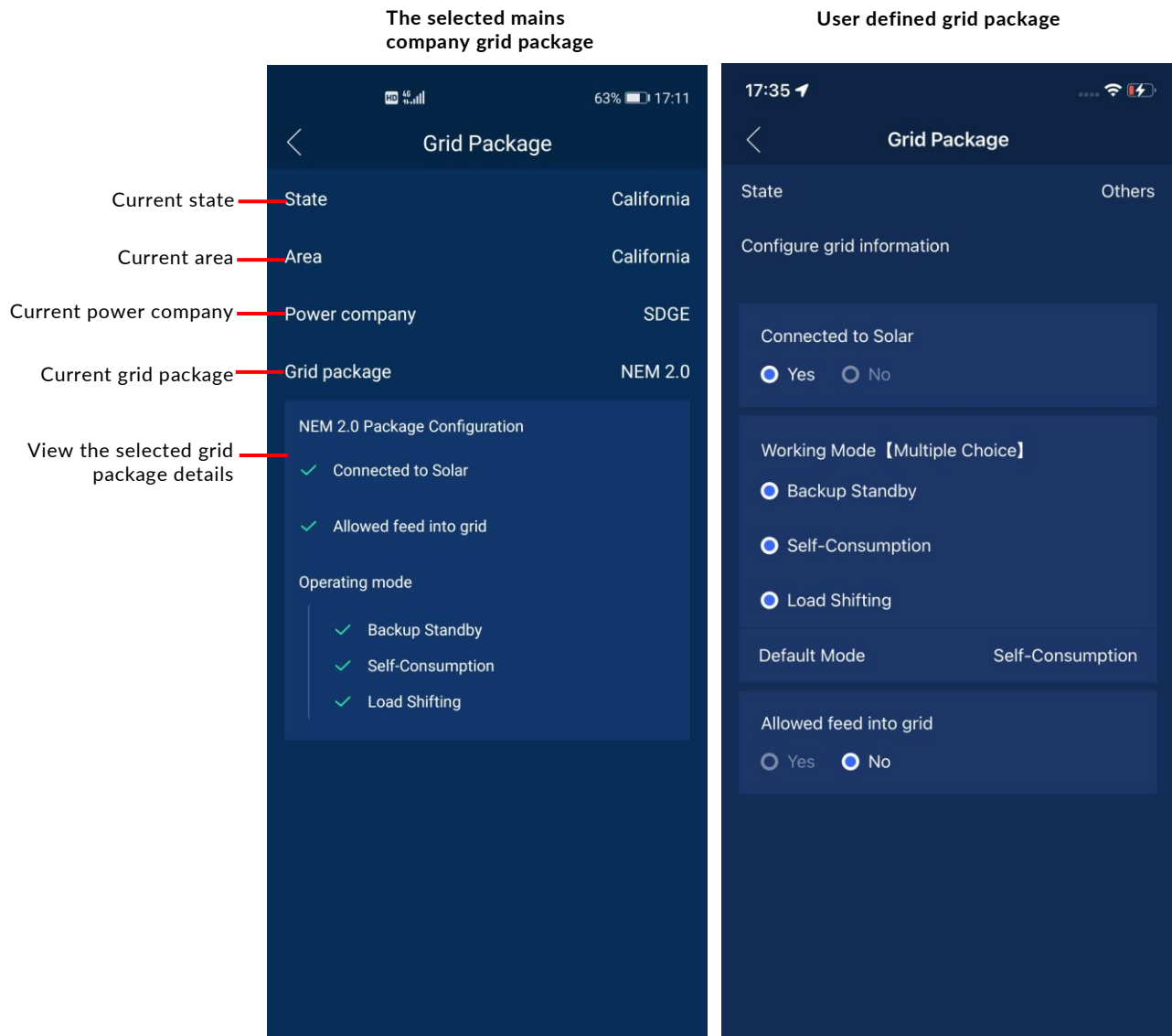
Grid Compliance

Click on “**Grid Compliance**” to view the Grid Compliance parameters and provide such information to the grid company for inspection.



Grid Package

Click on “**Grid Package**” to view the current grid package: whether solar system is connected, whether it is allowed to feedback power to the grid, and the possible FHP working modes.



4.3 Smart Circuits

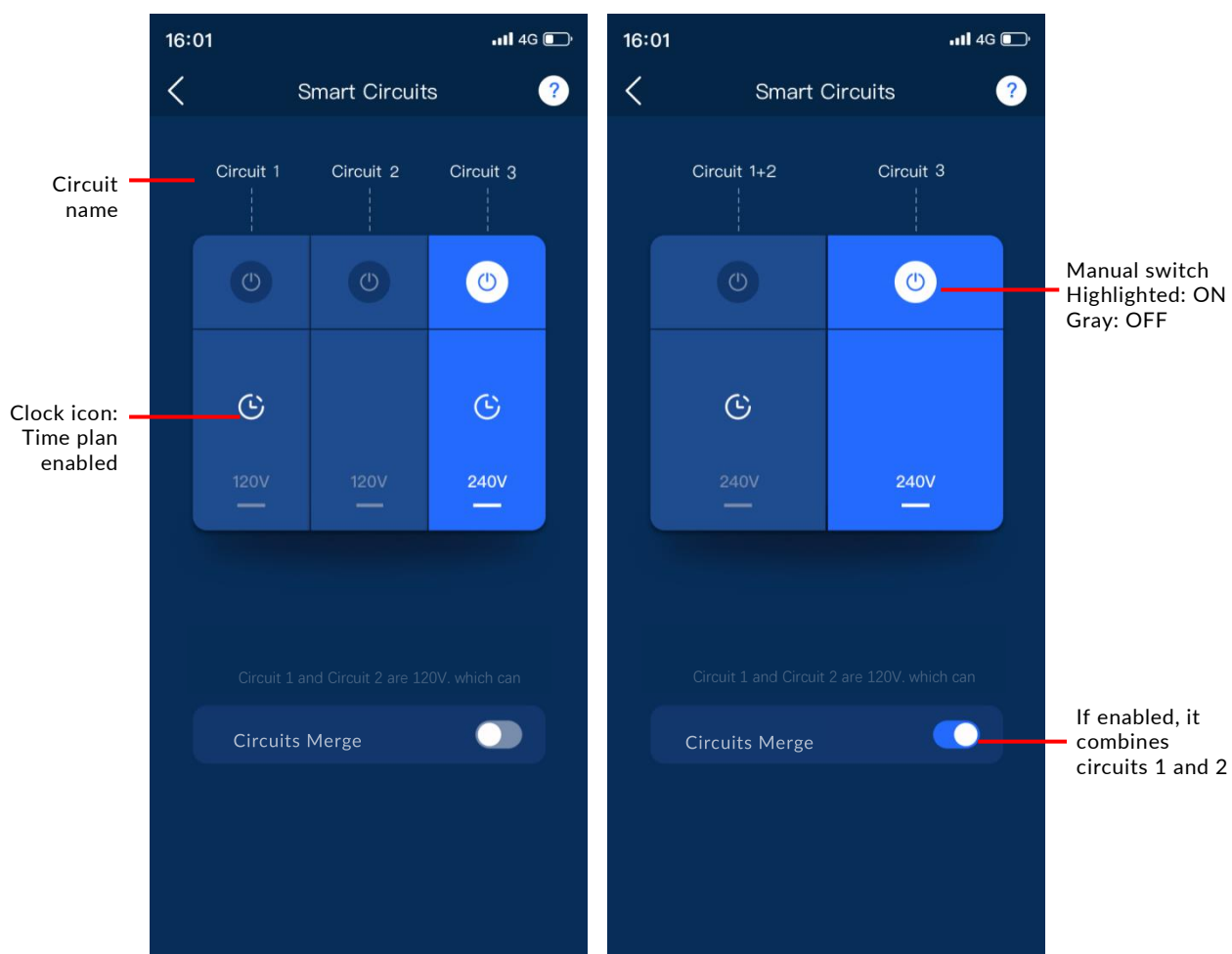
Click on **"Smart Circuits"** to access the Smart Circuits settings page where you can set up a dedicated power supply plan for each Smart Circuit.

If the manual switch is highlighted, it indicates that the corresponding circuit is operating. If the switch is gray, it indicates that the circuit is disabled. Click the button of the corresponding load module to enable or disable a circuit, and click below to set the dedicated power plan for that circuit.



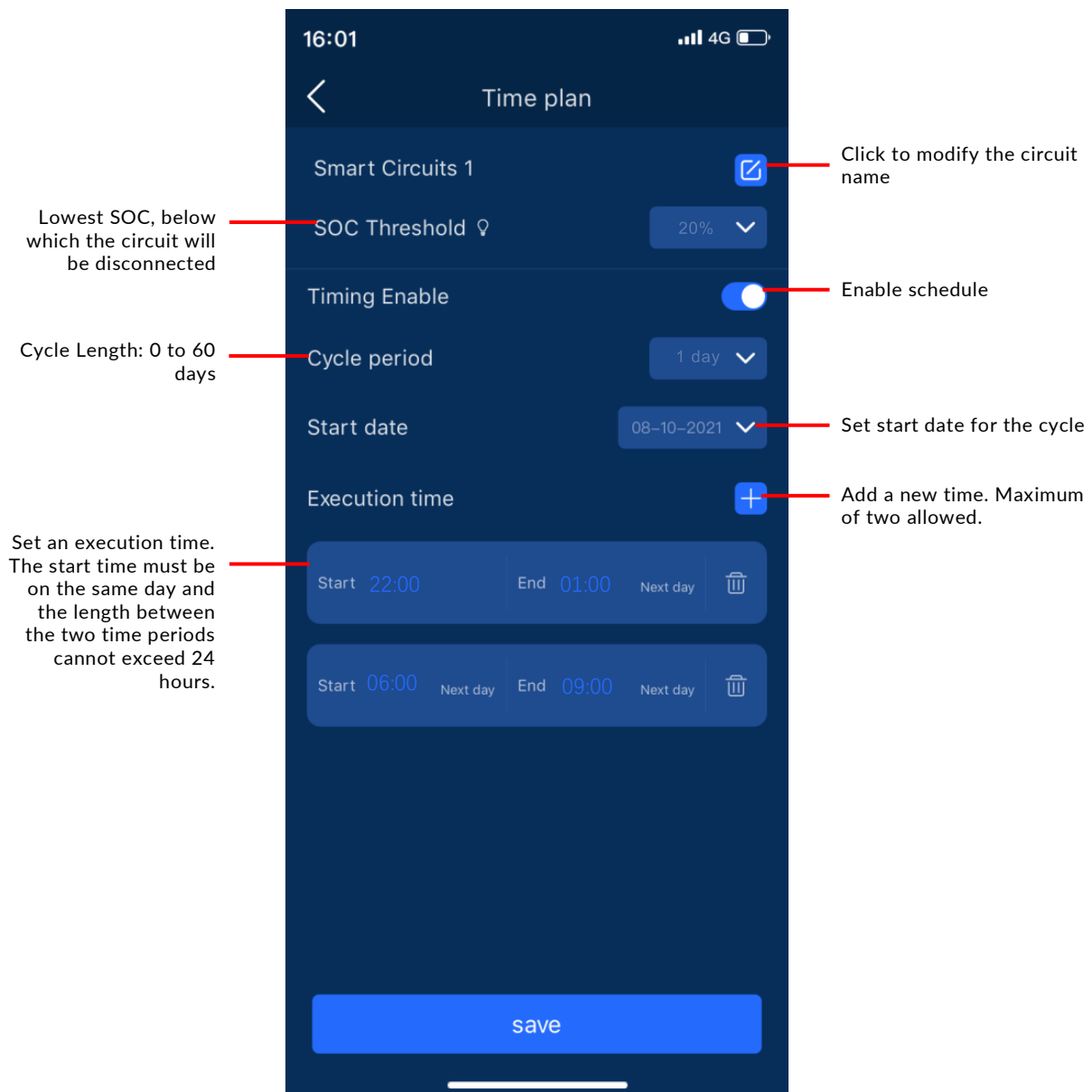
NOTE

The Circuit Merge setting must be consistent with the physical electrical wiring of FHP.



You can customize the name of a Smart Circuit, with a maximum length of 20 characters. When the power level drops to the minimum SOC, the circuits will be automatically disconnected to reduce the power consumption.

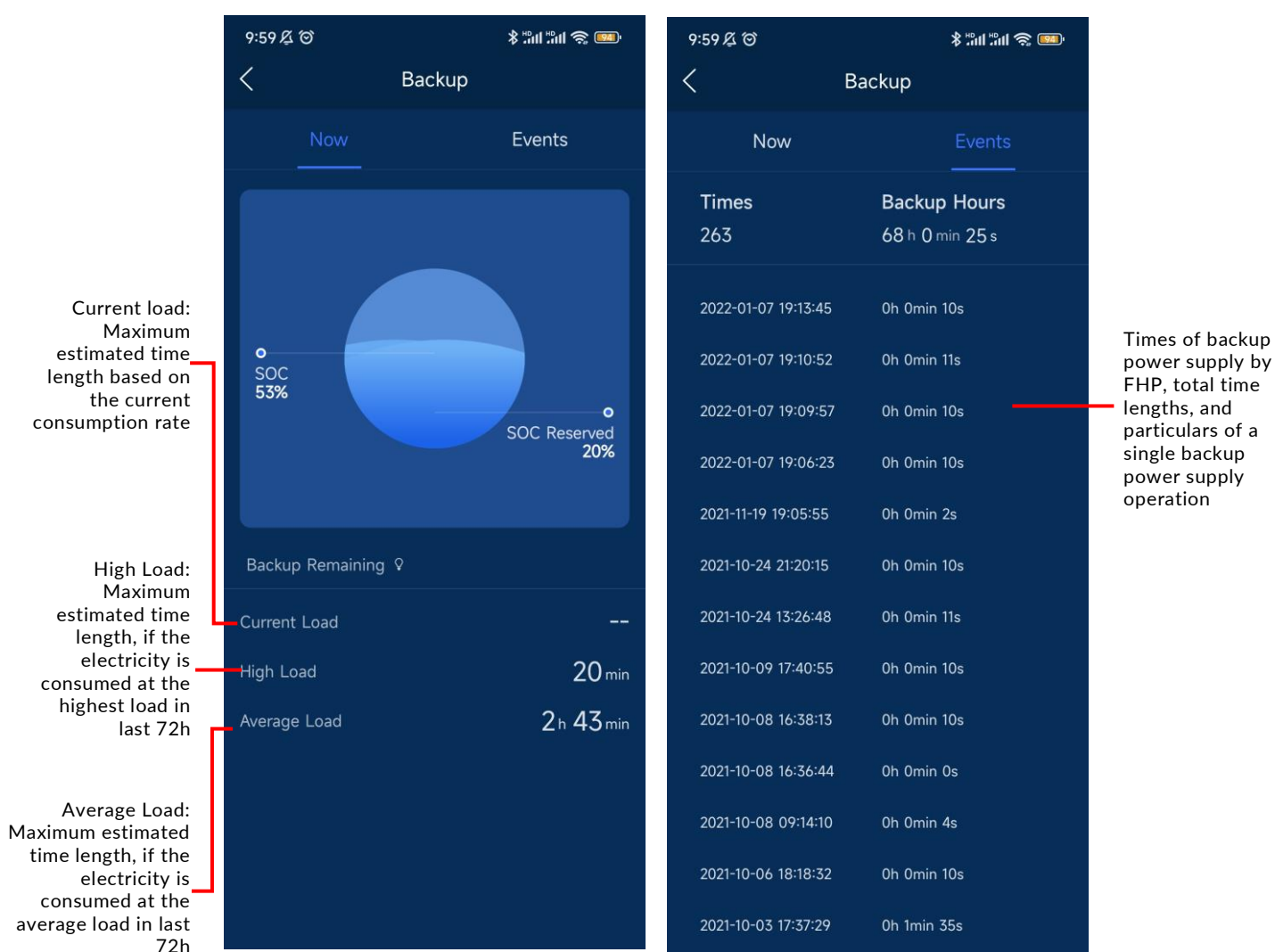
In your power schedule, you can set up the cycle period, start date, and actuation time, so that your system can work intelligently to satisfy your power consumption needs.



4.4 Backup

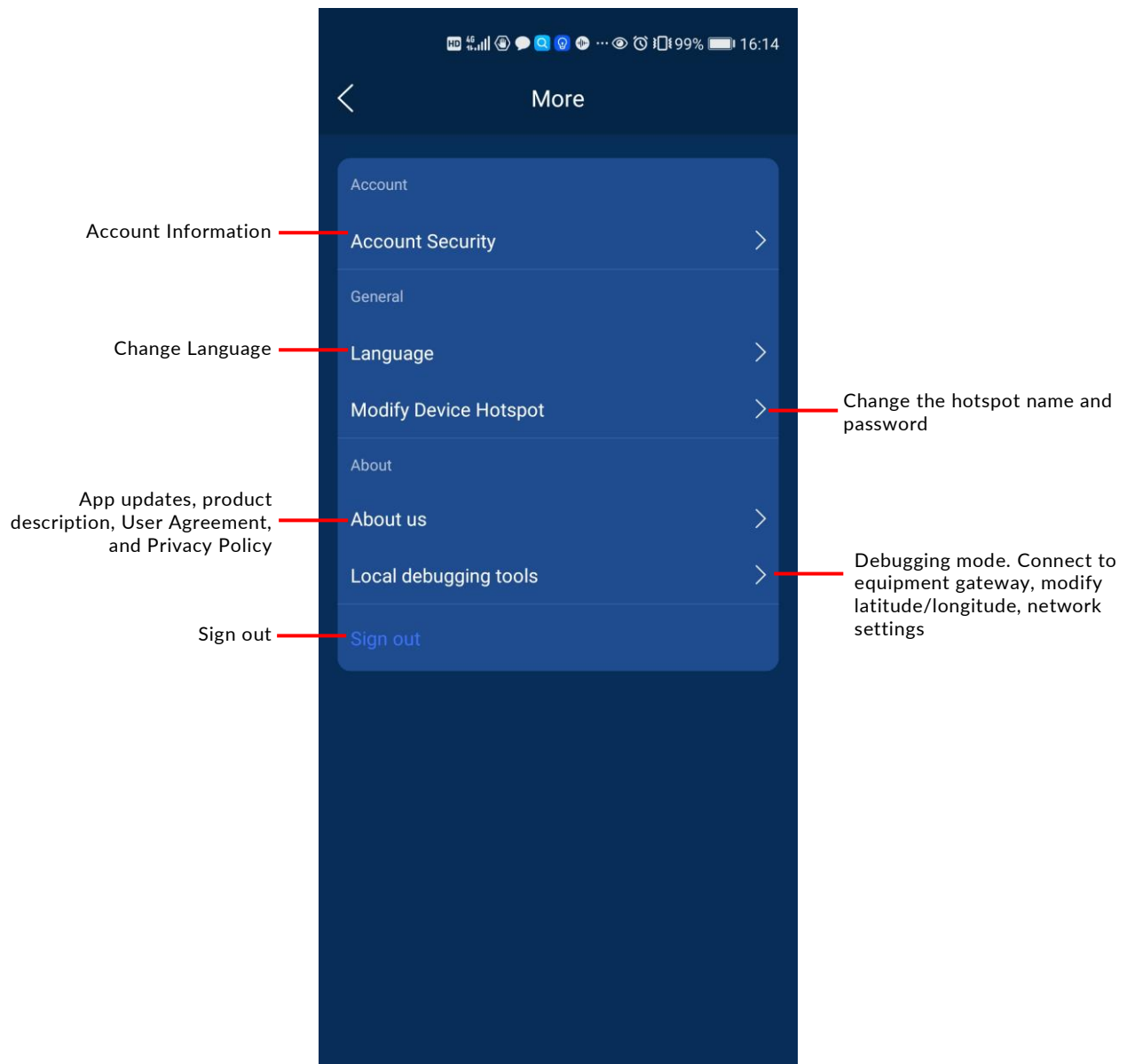
Click on “**Backup**” to view the current SOC value of the battery pack, the SOC values set for reserved power in the **Self-Consumption** and **Load Shifting** modes, the backup remaining, and historical data.

Backup Remaining: Without power input from the grid and the solar system, the FHP can be maintained for approximately the maximum amount of time, based on the current power consumption.



4.5 More

Click on “**More**” to view the auxiliary features pages.



Account Security

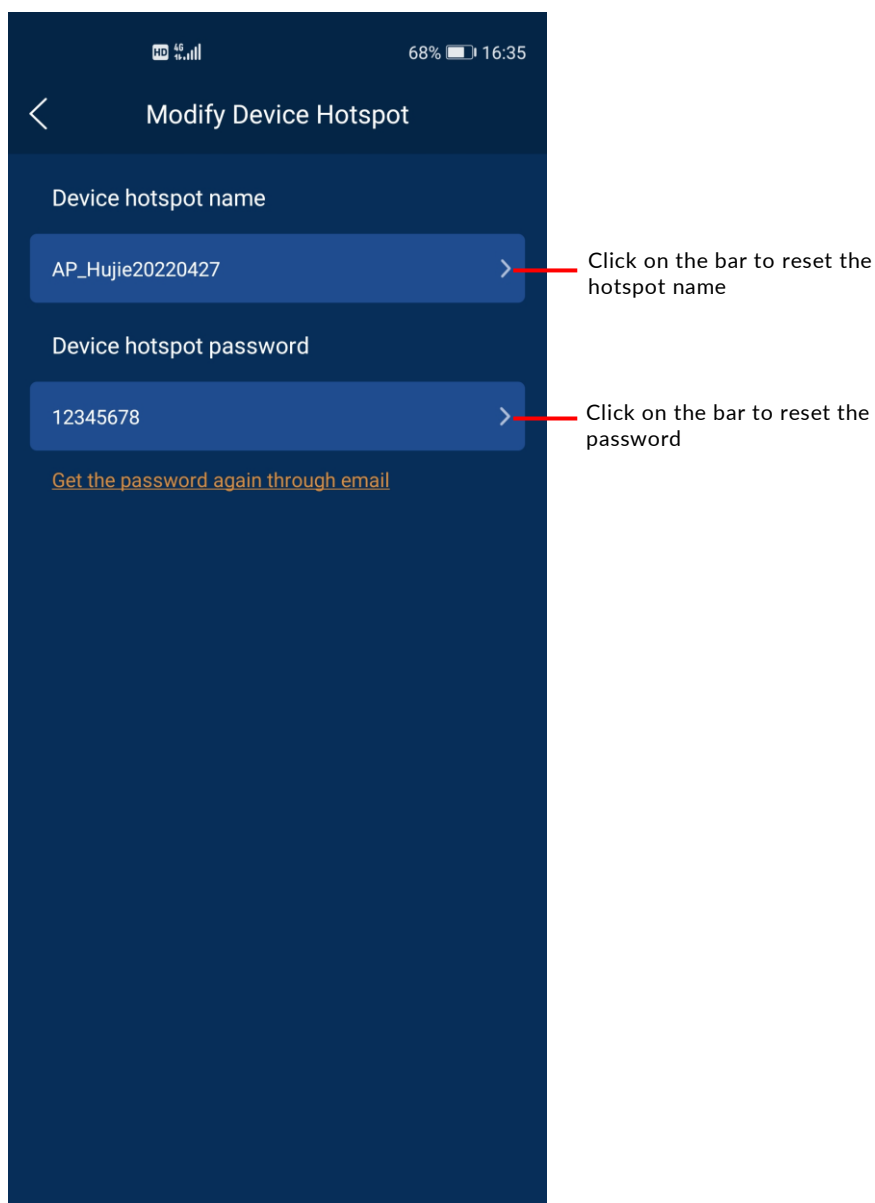
Click on “**Account Security**” to view the current account information and to modify the user password.

Languages

Click on “**Languages**” to set up the working language on your app.

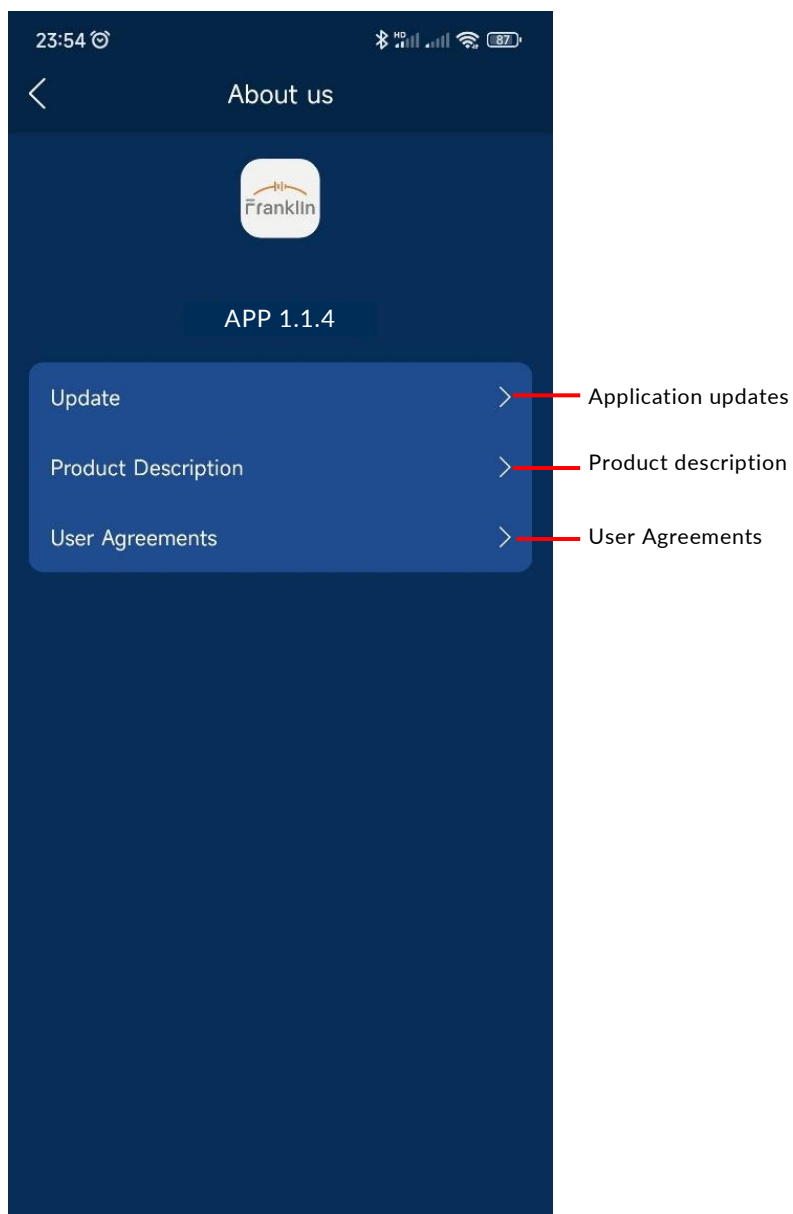
Modify Device Hotspot

Click on “**Modify Device Hotspot**” to change the hotspot name and password.



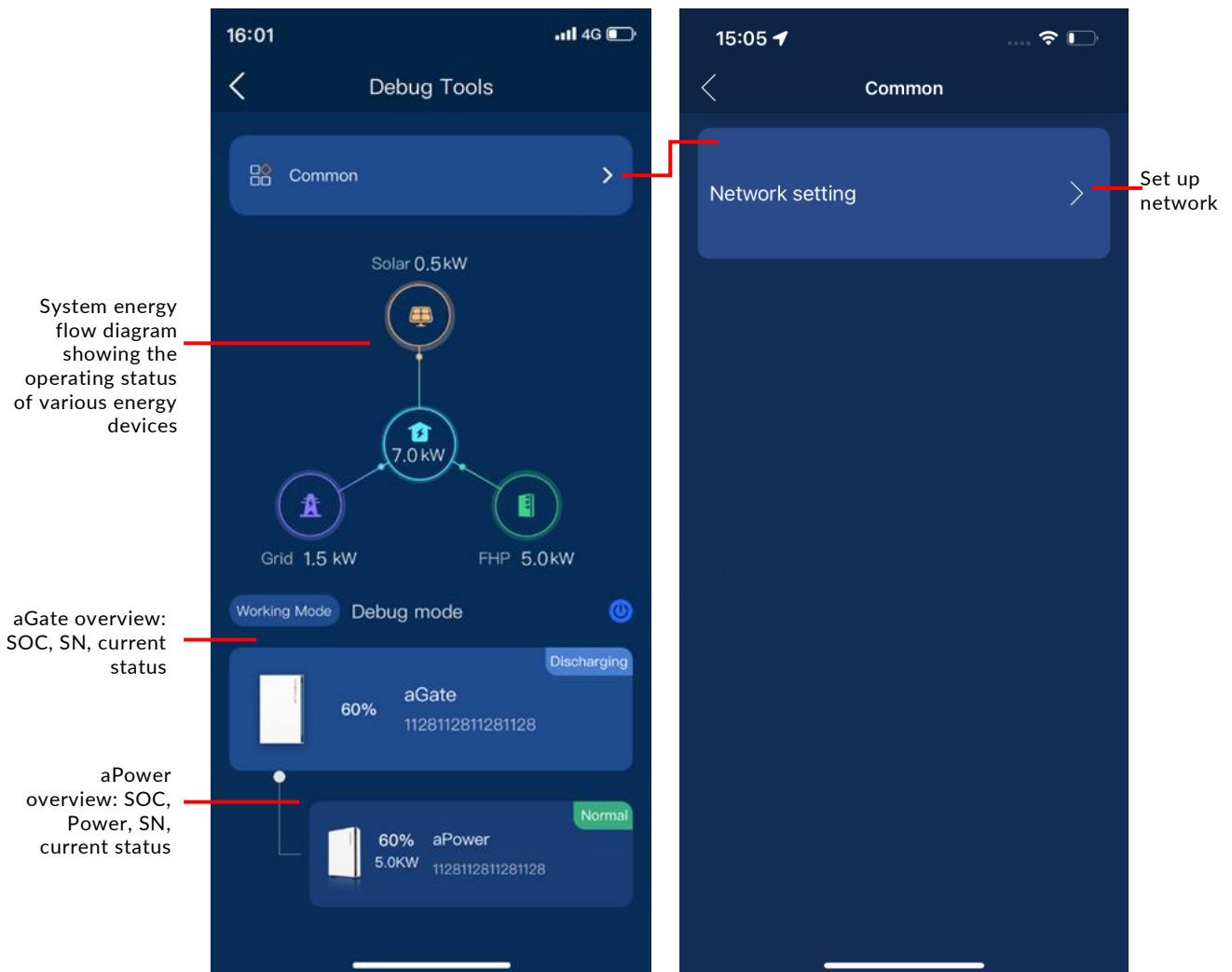
About Us

Click on “**About Us**” to enter the page, where you can check the latest updates of the App, view the production description, user agreement, and our privacy policies.



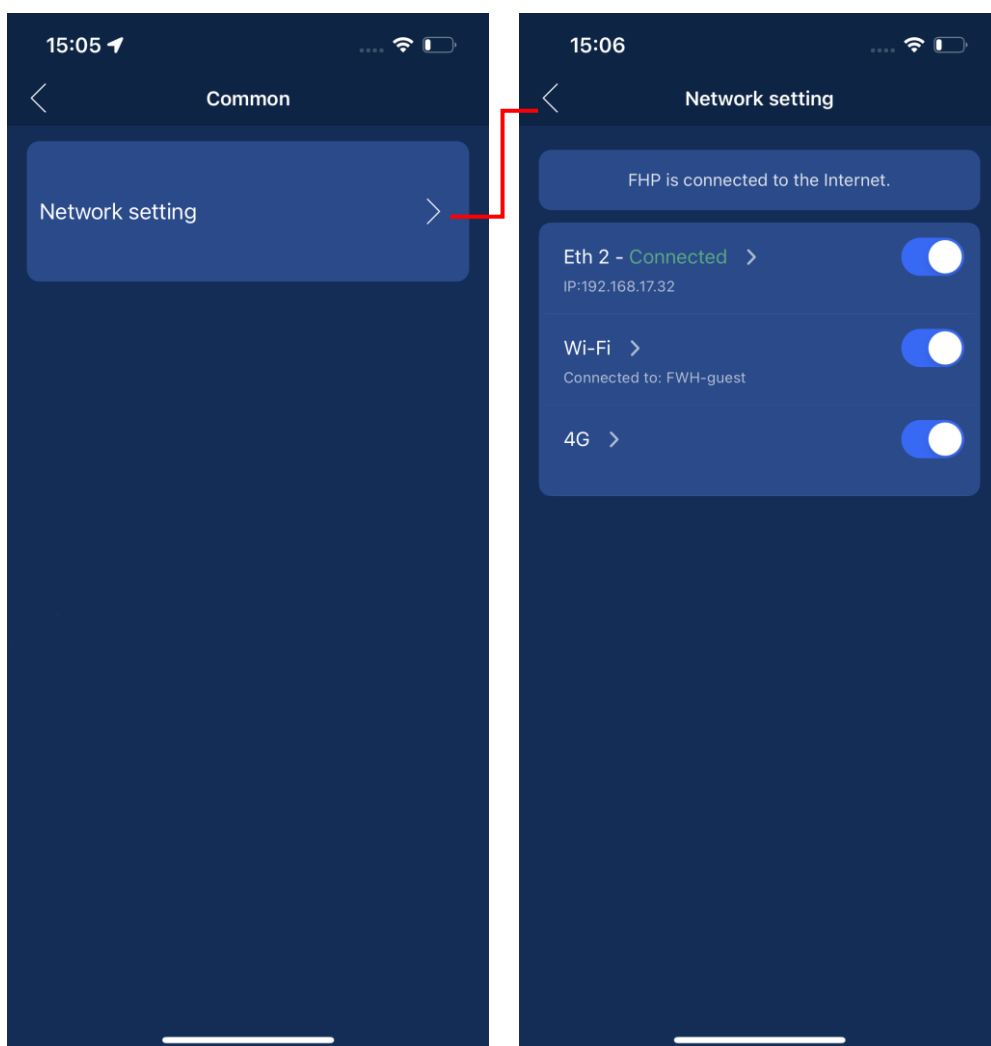
Local debugging tools

Click on “**Local debugging Tools**” to enter the debugging mode, where you can connect to the equipment gateway, check the current system energy flow chart and the working status of various sources, and check the status information of your aGate X and aPower X units. You can also set up networking parameters for the equipment. |

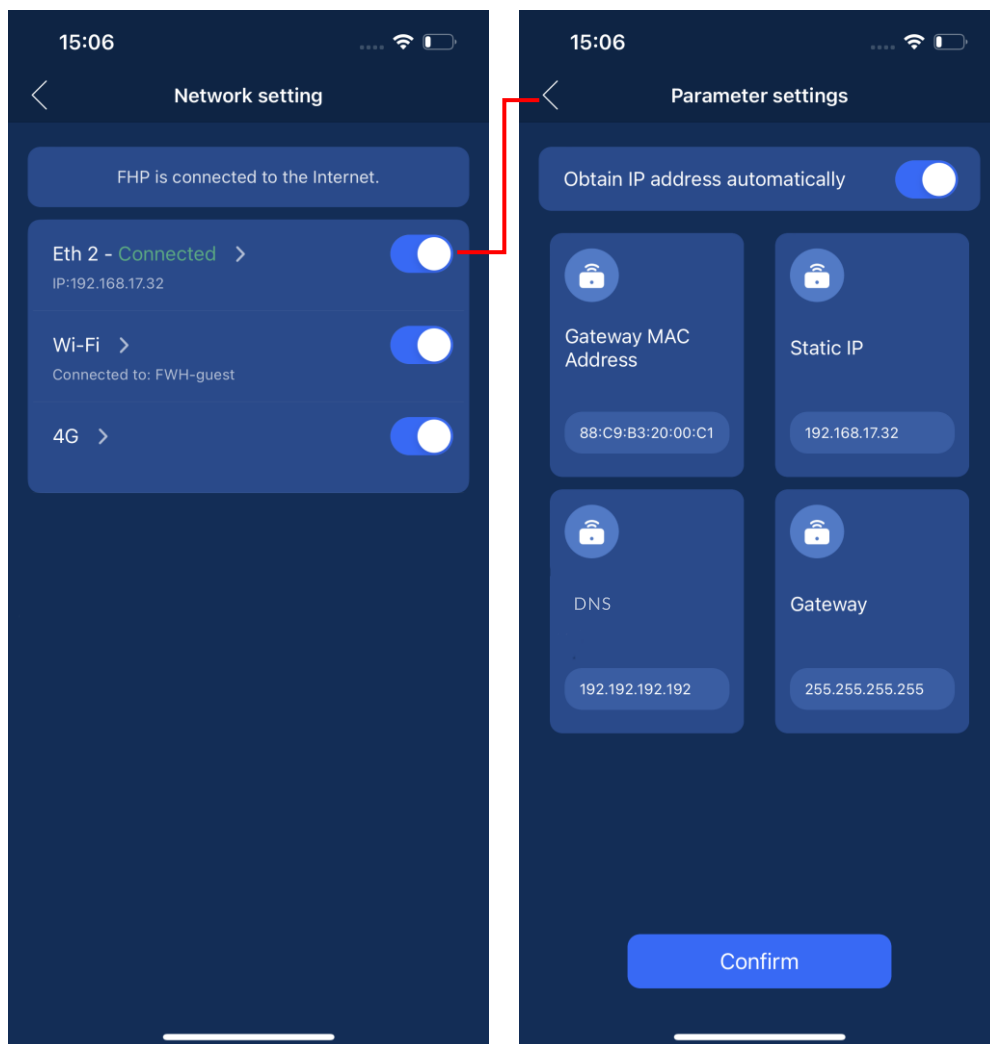


Network Setting

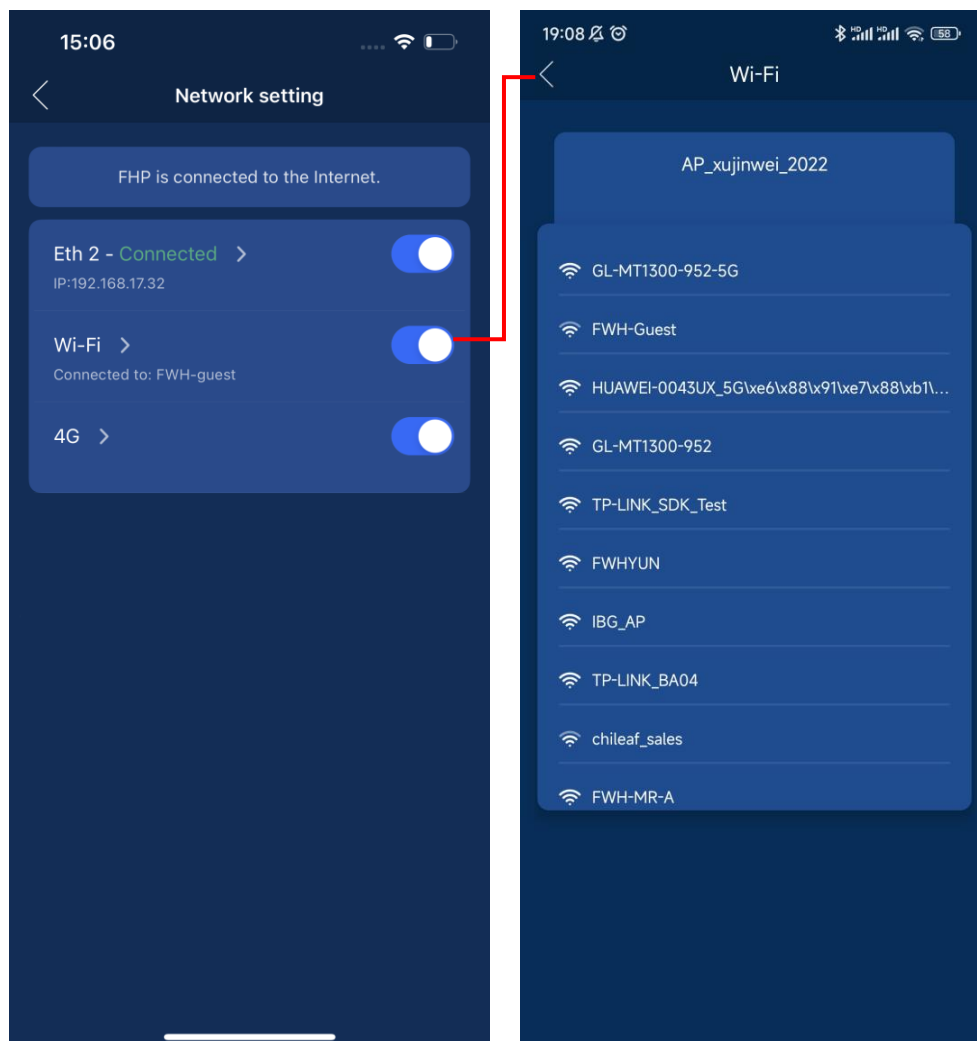
Click on “**Network Setting**” to access the network setting page. If all networking methods have been enabled, the equipment will choose the network following the precedence order of “Ethernet - Wi-Fi - 4G”.



Click on “**Eth 2**” to access the Ethernet setting page.



Click on “**Wifi**” to access the wifi setting page.



Click on “4G” to access the 4G setting page.

