



APP Quick Guide

This chapter is mainly introduces the operation of APP.

1、FirstStartup

Step 1 Login the following website to download the APP and do WIFI configuration.

Download APP

APPSTORE: <https://apps.apple.com/cn/app/wisesolar-plus/id1510470362>



GOOGLE PLAY: <https://play.google.com/store/apps/details?id=com.kehua.Wisesolarpro>



Step 2 WIFI configuration

Operation guide: <https://energy.kehua.com/quickStart>



Step 3 Register, as follows.

Open the APP.

- 1) Click **Register** button.
- 2) Select **By mobile** phone or **By Email** according to actual condition.
- 3) Enter corresponding information according to prompting.

Note

- 1) Logger code can be entered by scanning the QR code of WIFI on the device.
- 2) For detail operation, please see the quick start guide of APP.
- 3) If you changed the setting with "*", this setting will take effect after the inverter is restarted.

2、Hybrid Inverter Information Query

Step 1 In main page, click **My plant** to enter the **Details** page, as shown in Figure1.

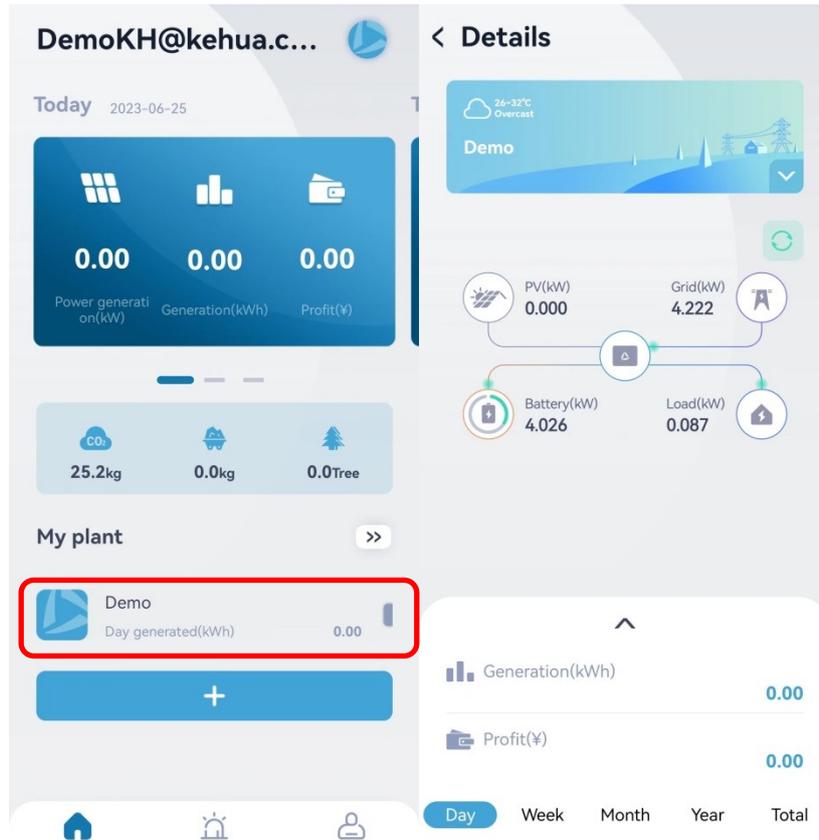


Figure 1 My plant

Step 2 Click the inverter icon to view the system page and information, as shown in Figure2

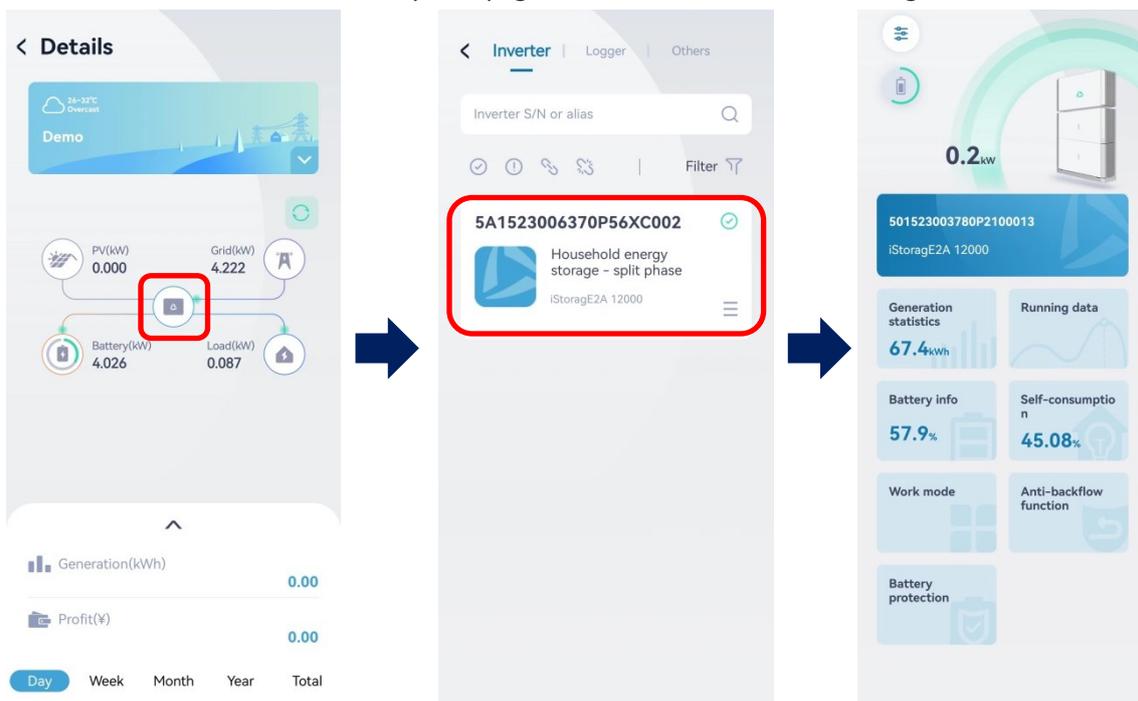


Figure 2 Device detail

3、 Device Control

Click the “Control” icon, you can set “Grid setting” “basic setting” “basic battery settings” “System setting” “Schedule setting”



Figure 3 Device detail

The settings are explained as follows

NO.	Item	Parameter name	Expected action of setting the parameter/modifying its value
1	Grid setting	*Grid level I under-voltage protection value(%)	The minimum grid voltage available
		*Grid level I over-voltage protection value(%)	The maximum grid voltage available
		*Grid under-voltage protection recover value(%)	When the grid voltage increase to this value, the system will resume
		*Grid over-voltage protection recover value(%)	When the grid voltage decreases to this value, the system will resume
		P-V mode	The active power varies with the voltage
		*Q-V mode	The reactive power varies with the voltage
		SPF mode	Not need to setting, please keep it OFF
		*Grid level I under-voltage protection time setting	Operating time available in Grid level I under-voltage
		*Grid level I over-voltage protection time setting	Operating time available in Grid level I over-voltage
		*Grid level I under-frequency protection value setting	Operating frequency available in Grid level I under-frequency
		*Grid level I over-frequency protection value setting	Operating frequency available in Grid level I over-frequency
		*Grid level I under-frequency protection time setting	Operating time available in Grid level I under-frequency
		*Grid level I over-frequency protection time setting	Operating time available in Grid level I over-frequency

		*Grid under-frequency protection recover value setting	When the grid frequency increase to this value, the system will resume
		*Grid over-frequency protection recover value setting	When the grid frequency decreases to this value, the system will resume
2	Basic setting	ON/OFF	Turn ON / Turn OFF
		External control mode	The item is used to enable or disable the external control mode.
		Auto-start when power on	The item is used to select whether to auto start when power on. When the function is enabled, once the device has power source (PV or grid), it will be started automatically.
		Active islanding	This item is used to select whether to enable the active islanding function. When the function is enabled, if the device stays in islanding status, it will disconnect the connection with grid automatically. Avoid islanding operation(The grid power is still detected when PV power equals to the load, and if grid outage occurred at this time, system can enter off-grid mode)
		Fully to grid	Battery to grid export(This item is just available for Time of use mode) This item is used to select whether to enable grid-tied with max power in peaking time. When the function is enabled, if the device stays in time of use mode and in the peaking time, it will support the energy of max power to load and grid.
		Enable power limit from grid	Limit grid import This item is used to select whether to allow get energy from grid. When the function is enabled, the power of grid can be set.
		*Reset Setting	Reset system
		Grid side meter	This item is used to select whether a meter is on the power grid side. When the function is enabled, The default meter is Chint split-phase meter.
3	Basic battery settings	Battery charge/discharge power setting	Maximum charge and discharge power of the system. This item is just available for external control mode, for other modes, it is invalid.
4	System setting	Sunspec communication band rate setting	Band rate for communicating with other system
		System time setting	Time setting
5	Schedule setting	Power control mode	This item is just available for external control mode, for other modes, it is invalid.
		Work mode	This item is used to select the work mode of device. After setting, when the device stays in corresponding time, it will perform corresponding action.
		SOC threshold of discharge ending(%)	Discharge ending SOC
		Active power mode	This item is just available for external control mode, for

		other modes, it is invalid. Active power is scheduled by SI or P.U.
	Active power(P.U.)(%)	This item is just available for external control mode, for other modes, it is invalid. Scheduled by P.U.
	Reactive power mode	This item is just available for external control mode, for other modes, it is invalid. Reactive power is scheduled by SI or P.U.
	Reactive power(P.U.)(%)	This item is just available for external control mode, for other modes, it is invalid. Scheduled by P.U.
	Reactive power first	This item is just available for external control mode, for other modes, it is invalid. This item is used to select the hybrid inverter output power is to satisfy the reactive power first or active power first.
	Power factor	This item is just available for external control mode, for other modes, it is invalid. The proportion of active power in total power
	Anti-backflow control power(%)	When it is set to 0%, that means the discharging for grid is completely prohibited.
	Anti-backflow function	This function is used to enable the zero-export function. When the local laws and regulations do not allow discharging for grid, the function can be enabled
	SOC threshold of charge ending(%)	Charge ending SOC
	Allow grid charge power(W)	Allow grid charge power
	Active power(SI)setting	This item is just available for external control mode, for other modes, it is invalid. The active power of system
	Reactive power (SI)setting	This item is just available for external control mode, for other modes, it is invalid. The reactive power of system

4、Indicator light

Green indicates that the system is running properly; Red indicates that an alarm is generated;
Click the inverter icon to show the detailed alarm, as shown in Figure4



Figure 4 Indicator light

5、Generation statistics

Click “Generation statistics” to display daily generation curve, as shown in Figure 5
And at the bottom, you will view the Week, Month, Year even Total data, as shown in Figure 6



Figure 5 Generation statistic page

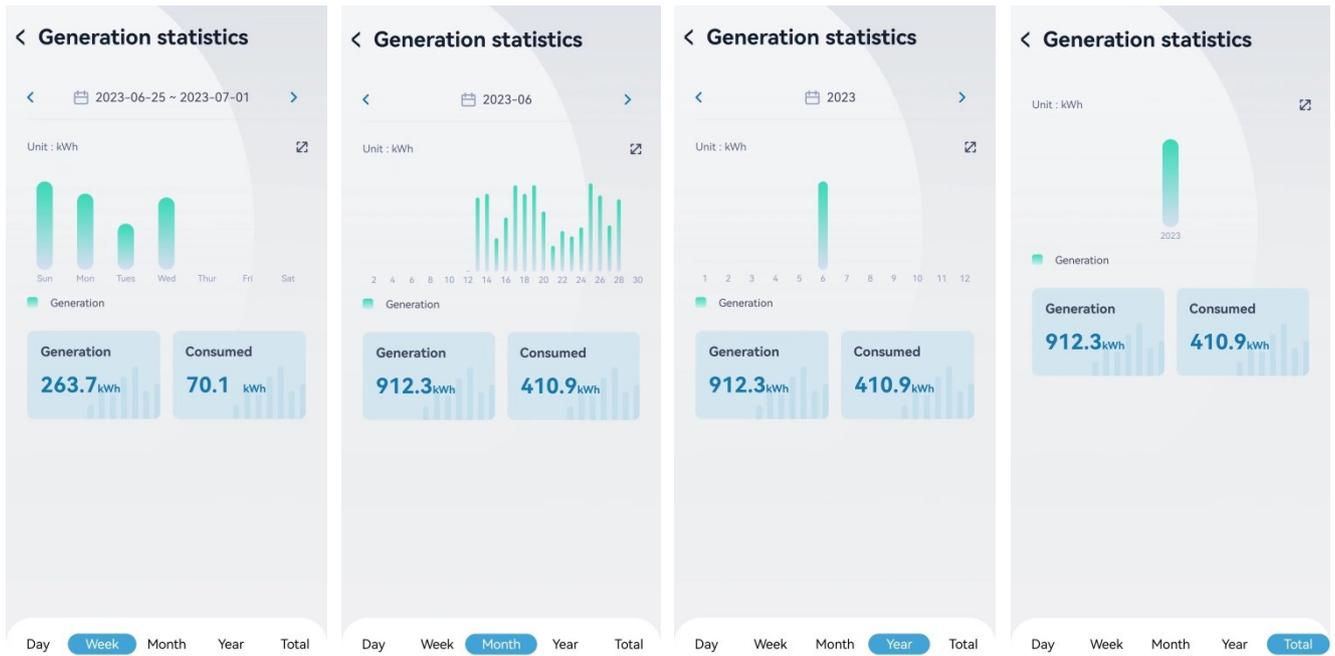


Figure 6 Week Month Year Total data

6、Running data

Grid info

In the “Grid Info” item, you can view the “daily grid-tied generated”, “daily grid”, etc., as shown in Figure7.

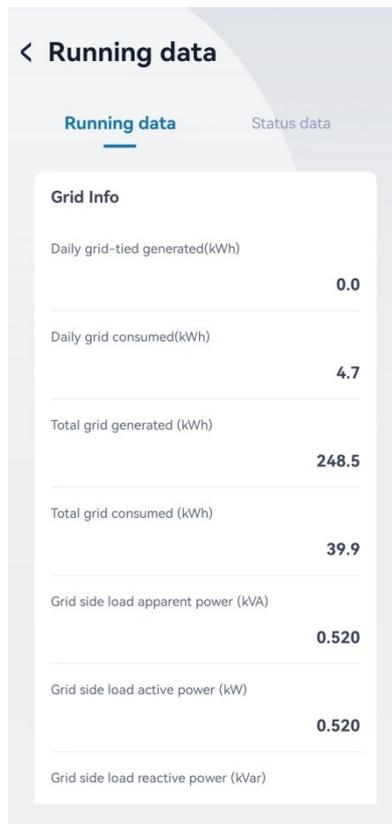


Figure 7 Grid info page

Battery info

In the “Battery Info” item, you can view the “Daily charged”, “Daily discharged”, etc., as shown in Figure8.

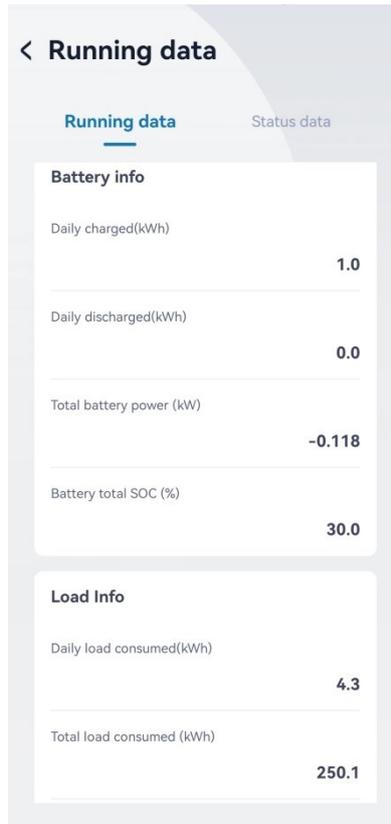


Figure 8 Battery info page

Load info

In the “Load Info” item, you can view the “Daily load consumed”, “Total load consumed”, etc., as shown in Figure9.

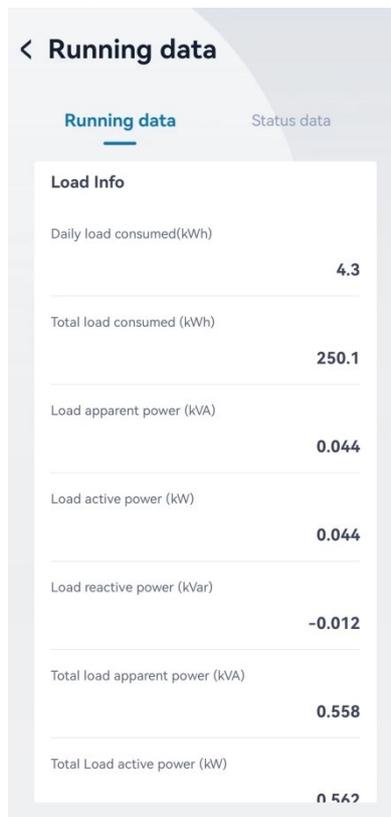


Figure 9 Load info page

PV info

In the “PV Info” item, you can view the “Daily PV energy”, “Total PV energy”, etc., as shown in Figure 10.



Figure 10 PV info page

7、 Battery info

In the “Battery Info” item, you can view the “Battery Overview” containing “Day charged” “Day discharged” “Total charged” and “Total discharged”, also, at the top, you can select battery 1 to 4 for details, as shown in Figure 11.



Figure 11 Battery info page

8、 Self-consumption

In the “Battery Info” item, you can view the “Self-consumption rate” and “Self-supply rate”, as shown in Figure 12.

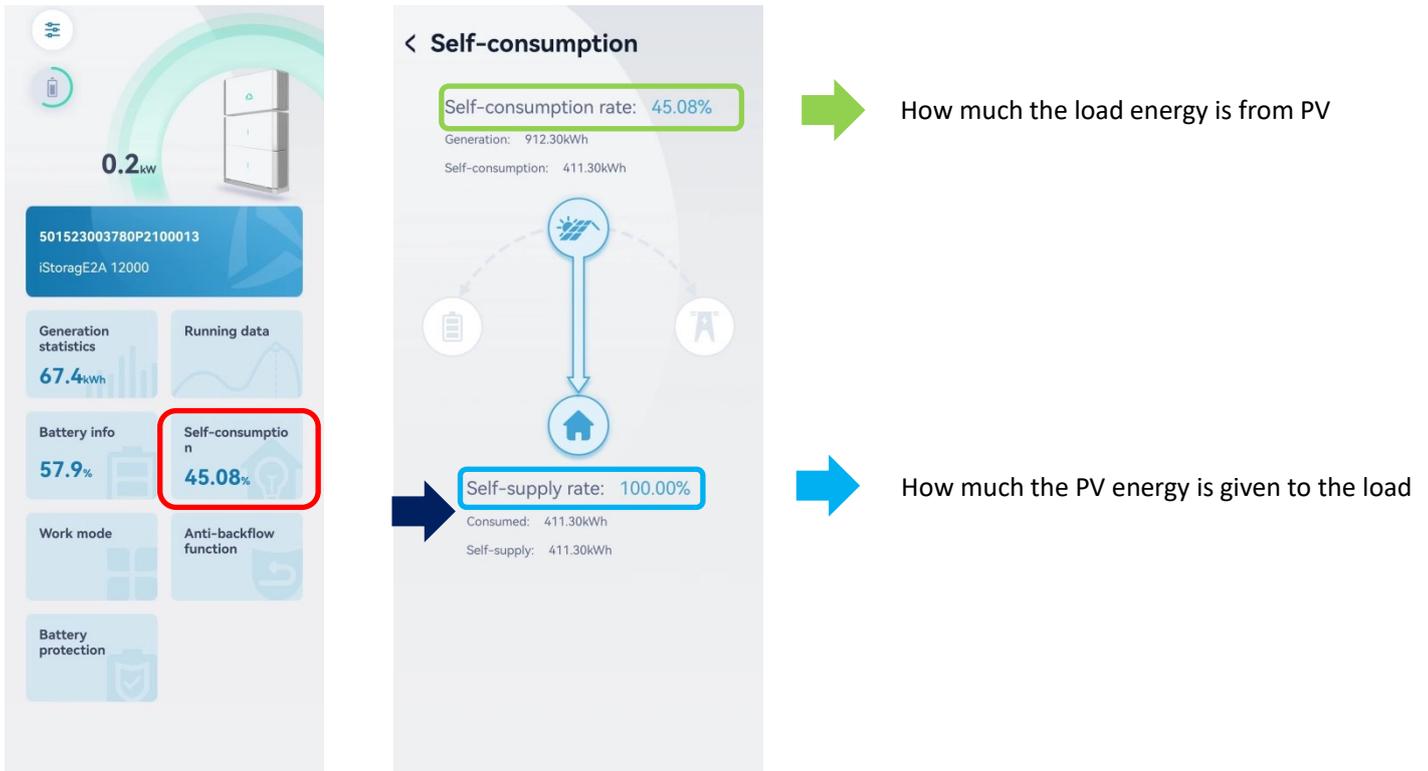


Figure 12 Self-consumption page

9、 Work mode

In the “Work mode” item, you can select work mode and in details you can view the introduction of work mode, as shown in Figure 13

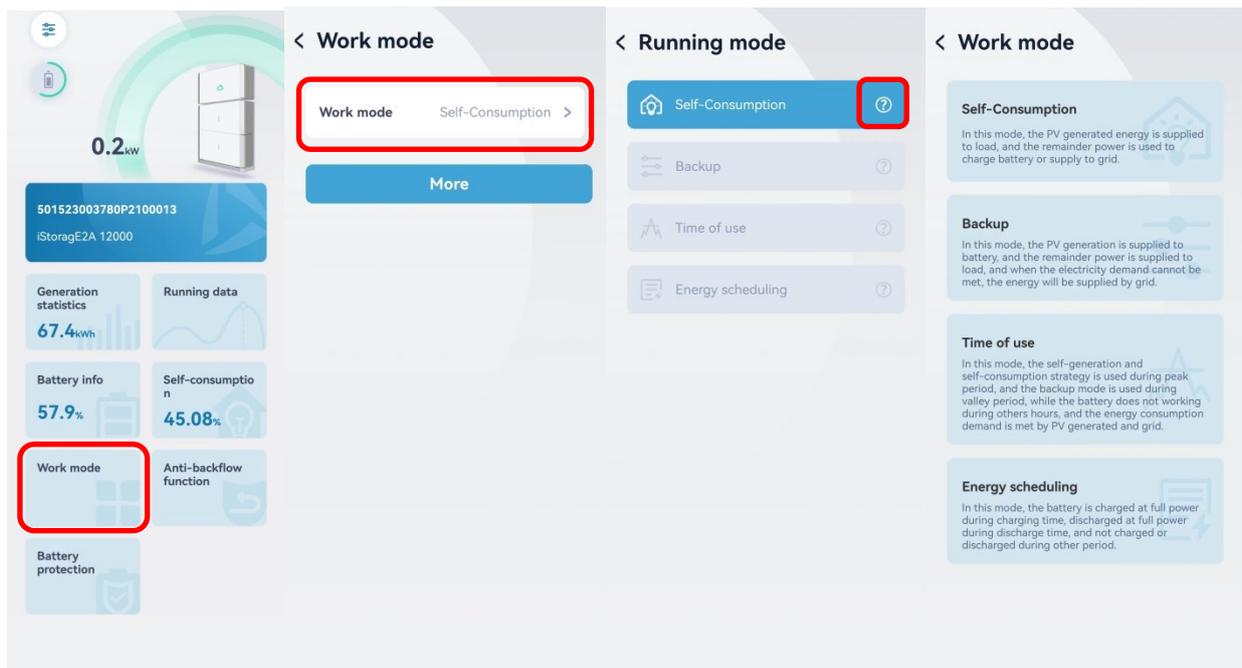


Figure 13 Work mode page

9.1 “Time of use” function setting

Step 1: Enter the working mode and select “Time of use”;

Step 2: Turn off “Fully to grid”; (When the function is enabled, if the device stays in time of use mode and in the peaking time, it will support the energy of max power to load and grid.)

Step 3: Select “Workday” or “Weekend” and set "Peak Period" and “Vally Period”;

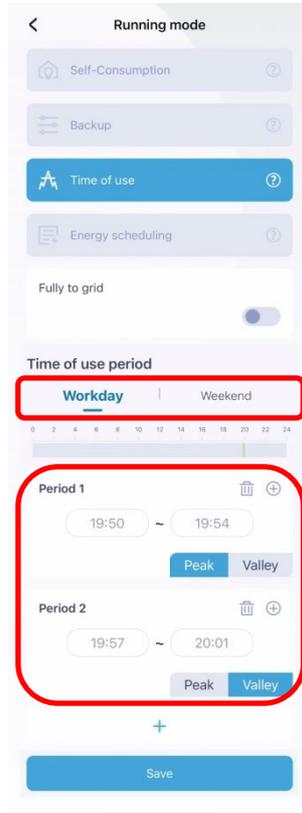


Figure 14 “Time of use” page

9.2 “Energy Scheduling” function setting

Step 1: Enter the working mode and select “Energy Scheduling”;

Step 2: Select “Workday” or “Weekend” and set "Charge Period" and “Discharge Period”;

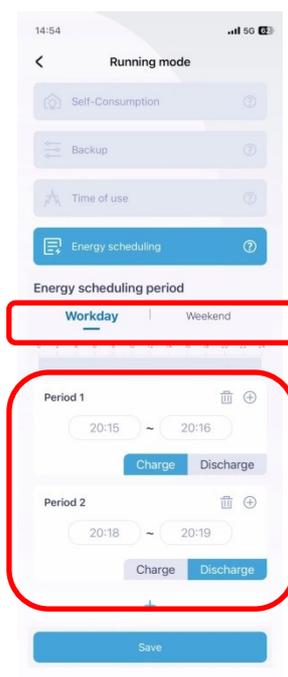


Figure 15 “Energy Scheduling” page

9.3 “Enable power limit from grid” function setting

- Step 1: Enter the working mode and select “More”;
- Step 2: Select the “Enable power limit from grid”;
- Step 3: Enable the “Enable power limit from grid”;
- Step 4: Enter the “Allow grid charge power”.

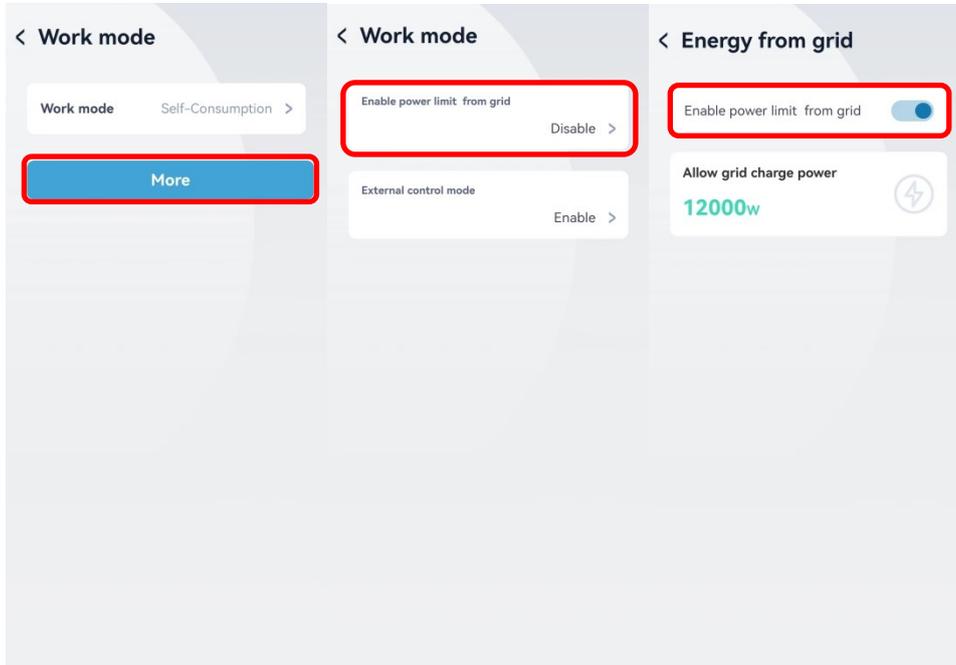


Figure 16 "Enable power limit from grid" setting page

9.4 “External control mode” function setting

- Step 1: Enter the working mode and select “More”;
- Step 2: Select the “External control mode”;
- Step 3: Enable the “External control mode”;
- Step 4: Set specific information;
- After setting, when the device stays in corresponding time, it will perform corresponding action.

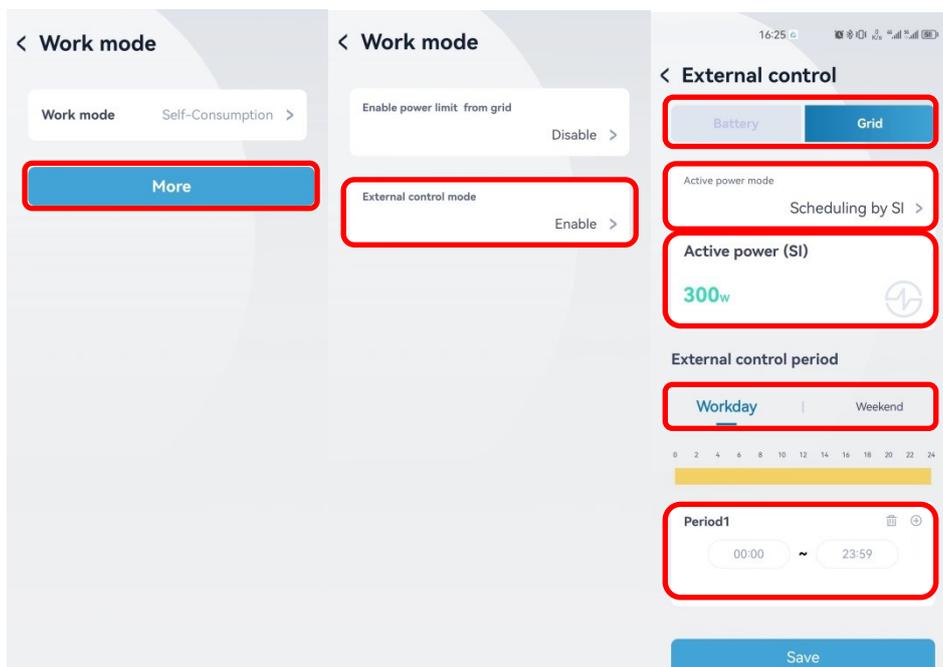


Figure 17 "External control mode" setting page

10、 Anti-backflow function

In the “Anti-backflow function” item, you can set the type of anti-backflow, as shown in Firuge18

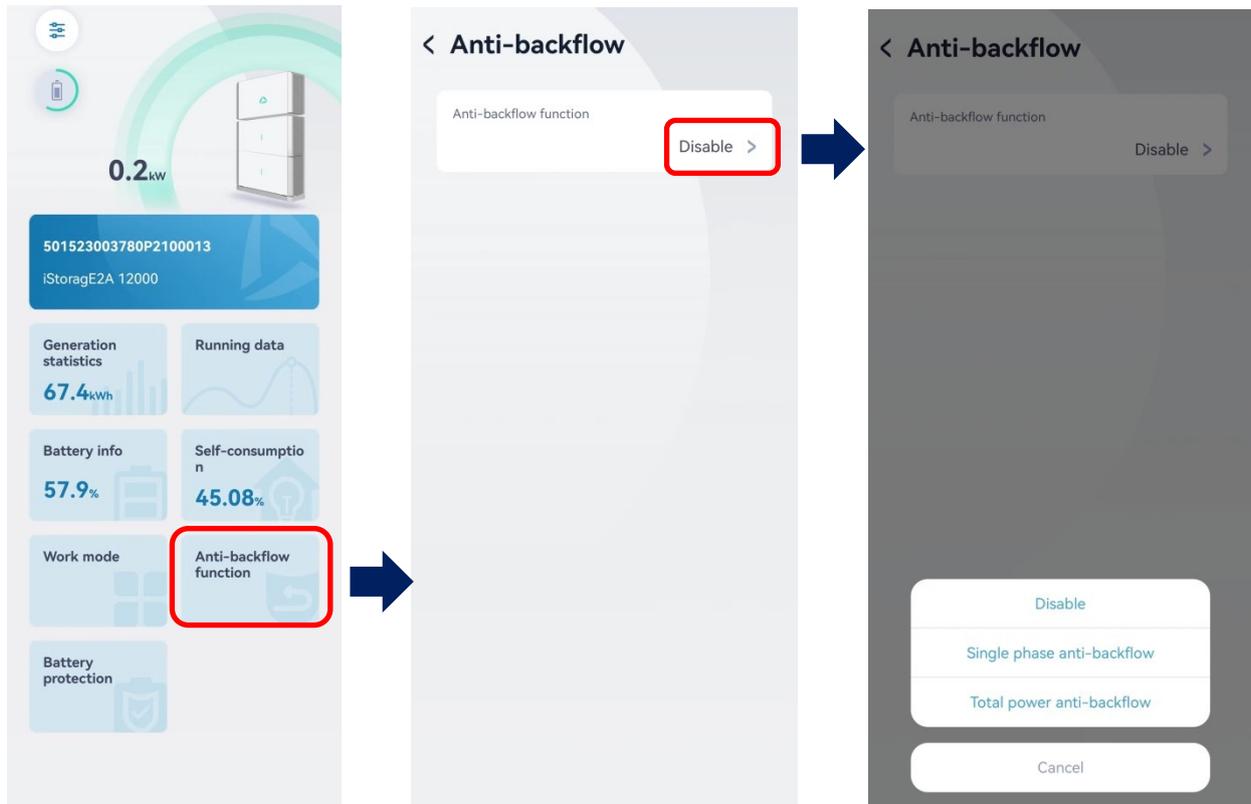


Figure 18 Anti-backflow function page

11、 Battery protection

In the “Battery protection” item, you can set charge ending SOC and discharge ending SOC, as shown in Firuge19

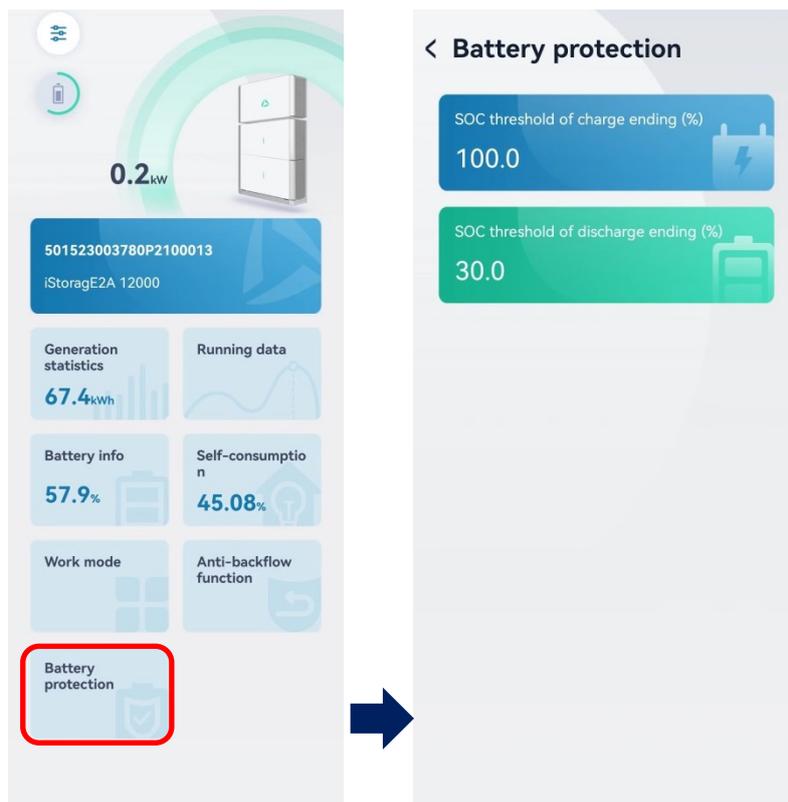


Figure 19 Battery protection page