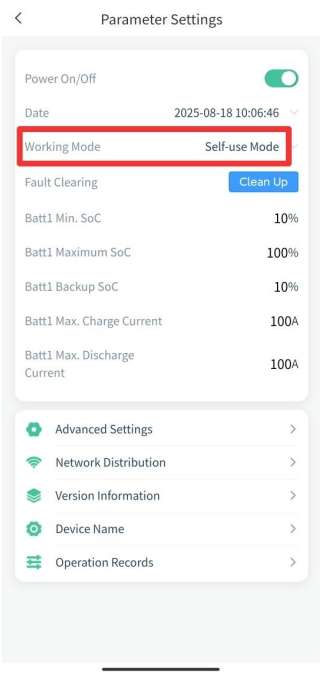
Isuna 6000S first installation setup and inspection

This guide document aims to help you understand and correctly use the inverter. Please read this guide document carefully before the initial installation and follow the instructions.

1. Working Mode Setup

a. Self-use mode

- Set **[Working Mode]** to "Self-use Mode".

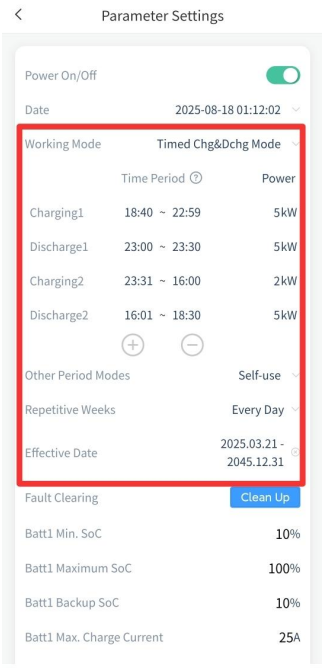


b. Timed Chg&Dchg Mode

- Set **[Working Mode]** to "Timed Chg/Dchg Mode";
- Set **[Charge Period]**, **[Discharge Period]**, and **[Power]** as required (Charge/Discharge periods must be within one day, cannot overlap, and the end time of one period cannot overlap the start time of the

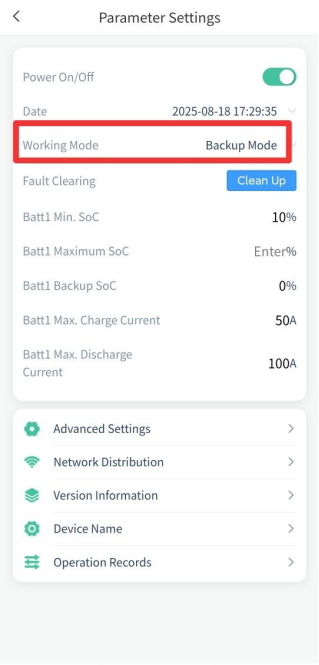
next);

- Set **[Other Period Modes]** as required (Other periods refer to times outside the set Charge/Discharge periods);
- Set **[Repetitive Weeks]** as required;
- Set **[Effective Date]** as required (The date range must include the current date for the settings to take effect).



c. Backup Mode

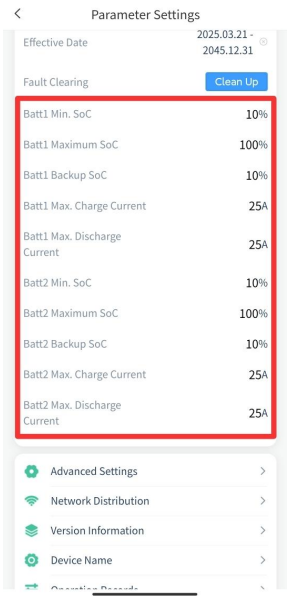
- Set **[Working Mode]** to "Backup Mode".



2.Other Settings

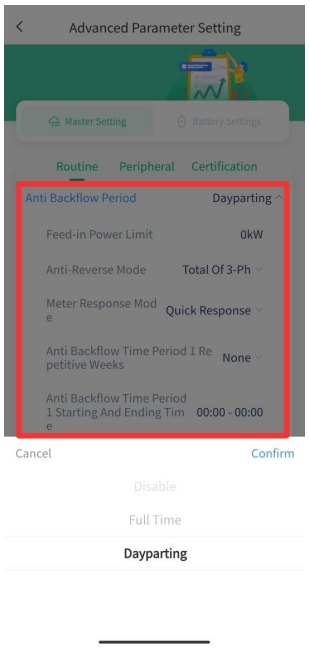
Battery General Settings

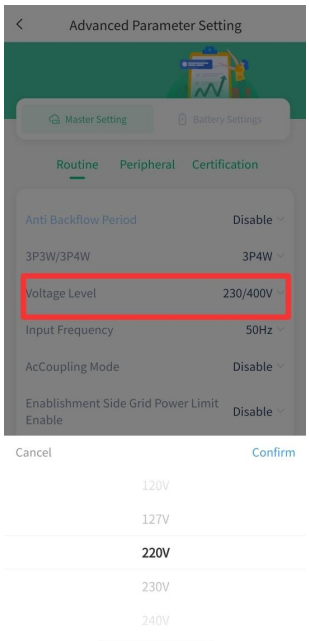
- Set **[Battery Min SOC]** as required;
- Set **[Battery Maximum SOC]** as required;
- Set **[Battery Backup SOC]** as required;
- Set **[Battery Max Charge Current]** as required;
- Set **[Battery Max Discharge Current]** as required.

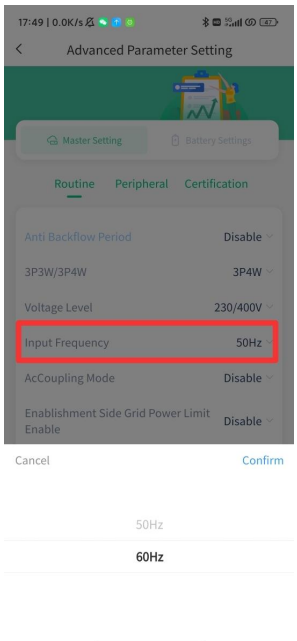


a. Advanced Settings - Routine

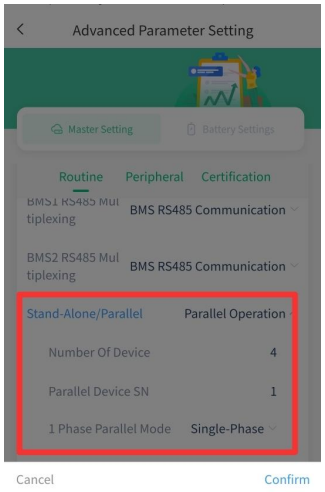
- Set **[Anti-backflow Period]** as required (Set to "Disable" to allow feeding power back to the grid; Set to "Full Time" to completely prohibit feeding back to the grid; Set to "Dayparting" and configure the allowed feed-in periods as required to allow time-based feeding);
- Set **[Voltage Level]** according to the grid voltage level;
- Set **[Input Frequency]** according to the grid frequency level.

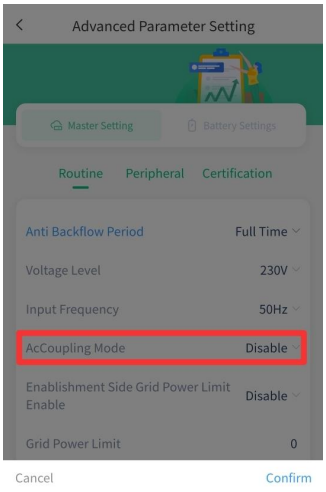


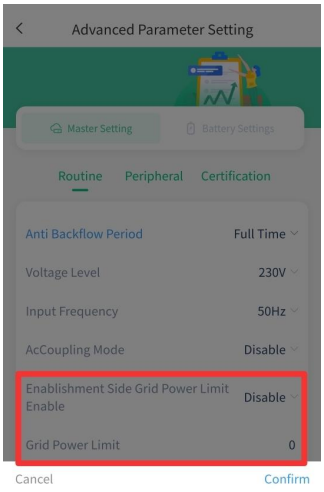




- Set **[Stand-Alone/Parallel]** as required (If multiple units are paralleled, **[Number of Device]** and **[Parallel Device SN]** also need to be set according to the actual configuration);
- **[AC Coupling Mode]** Default is "Disable" (Set to "Enable" if AC coupling with other PV inverters is required);
- **[Enablishment Side Grid Power Limit Enable]** Default is "Disable" (Set to "Enable" if limiting the grid input power is required);
- **[Grid Power Limit]** After enabling the function, set the power limit as required.



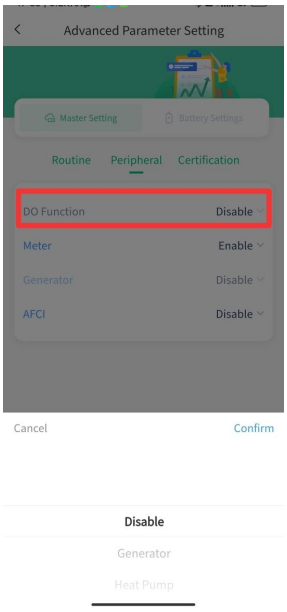


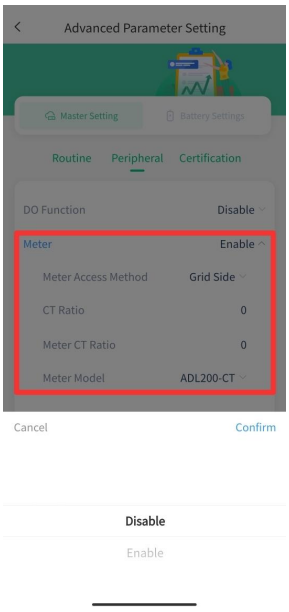


b.Advanced Settings - Peripheral

- **[DO Function]** Default is "Disable" (Select the corresponding type according to actual use if a generator or heat pump is connected);
- **[Meter]** Default is "Enable" (For Isuna6000S: When meter model "ADL200-CT" is selected, choose "Grid Side" for the meter

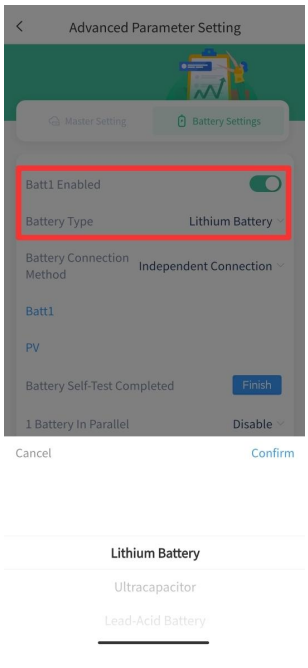
connection method; When meter model "ADL200" is selected, choose the corresponding location for the meter connection method according to the actual connection diagram).

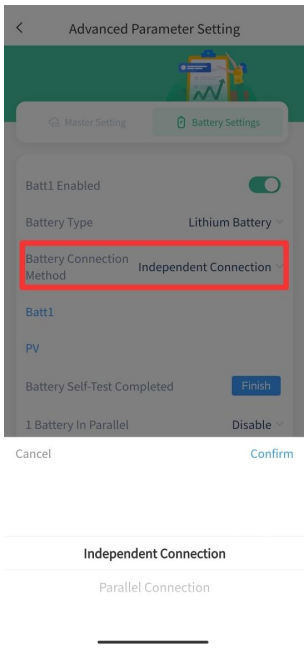




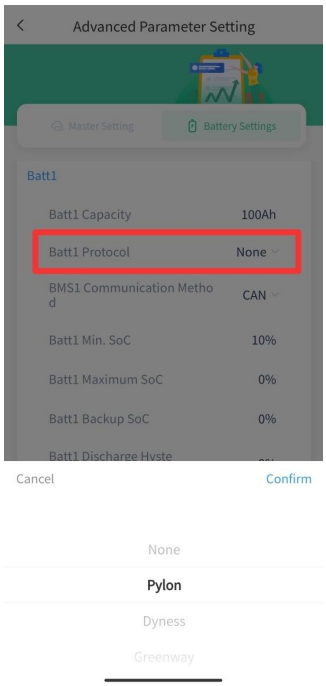
c.Advanced Settings - Battery

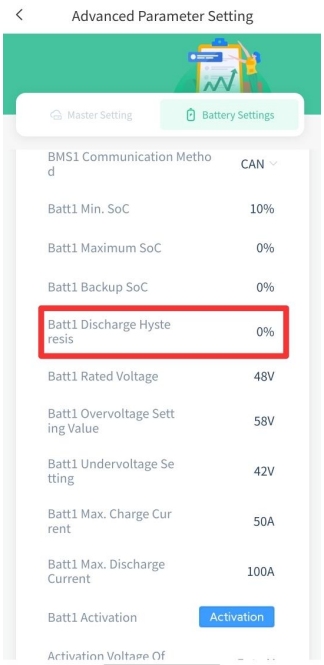
- **[Battery Enabled]** Must be enabled;
- **[Battery Type]** Select according to the actual connected battery type;
- **[Battery Connection Method]** Default is "Independent Connection".

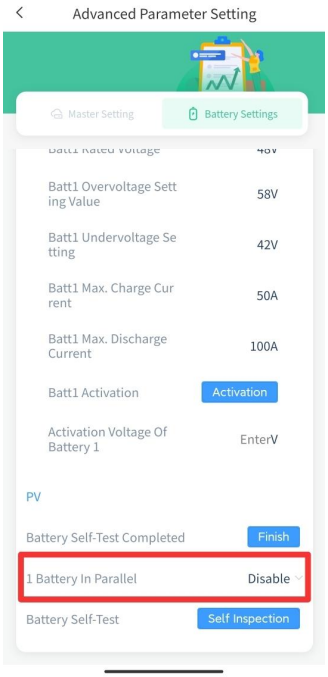




- **[Battery Protocol]** Default is "Pylon" (Select other protocols from the list if used);
- **[Battery Discharge Recovery Difference]** Default is "5%" (This value is the difference required to charge the battery after discharge termination before it can discharge again);
- **[Single Battery with Multiple Parallel Units]** Default is "Disable" (Set to "Enable" if one battery bank is connected to multiple paralleled inverters).





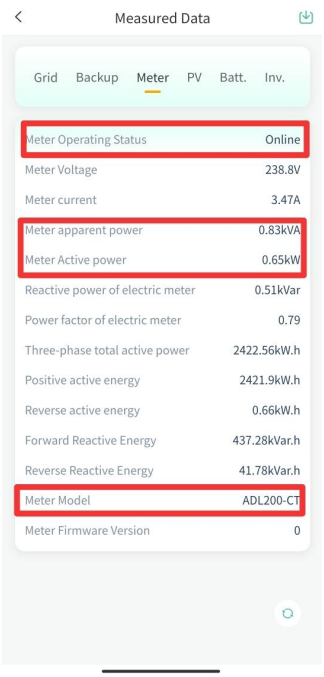


2.Inspection

If all the above settings are checked and correct, but the system still does not function normally (no energy flow shown on the homepage), inspect the following sections:

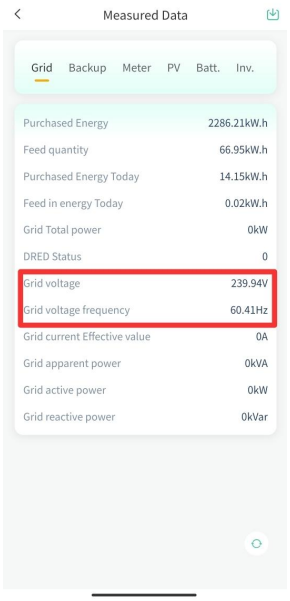
Measurement Data - Meter

- **Meter Offline:** Check if the communication cable wiring sequence is correct;
- **Meter Online but Readings Incorrect:** If using the ADL200-CT meter model, check if the CT clamp is clamped onto the main grid circuit and if the arrow on the CT clamp points towards the grid; If using the ADL200 meter model, check the meter installation position and whether the L/N, L1/N1 connection directions are correct.



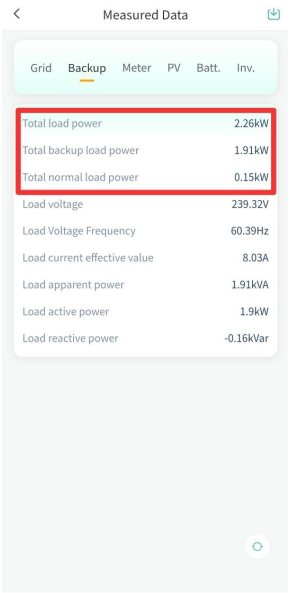
Measurement Data - Grid

- **Grid connected but no voltage data:** Check if the Grid L line is connected to the L3 terminal of the AC connector.



a. **Measurement Data - Load**

- **Grid-side general load is on but load power is not displayed on the homepage:** If using the ADL200-CT meter model, check if the CT clamp is clamped onto the main grid circuit and if the arrow on the CT clamp points towards the grid; If using the ADL200 meter model, check the meter installation position and whether the L/N, L1/N1 connection directions are correct.



b. **Measurement Data - Battery**

➢ **Battery Offline:** Check if the communication cable wiring sequence is correct and if the cable is firmly plugged in.