

AXIcloud

Instructions for commissioning and settings

ENERGY FOR A BETTER WORLD



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1 Introduction

This help document is intended to guide you through the app view when you connect to your inverter locally via Bluetooth. By following the steps below, you will gain access to quick settings and a comprehensive selection of default settings, giving you control over your energy management system.

2 Prerequisites

To establish a connection to your inverter, make sure that the “AXIcloud” app is installed on your phone. If you do not yet have the app, please use the following code to install it.

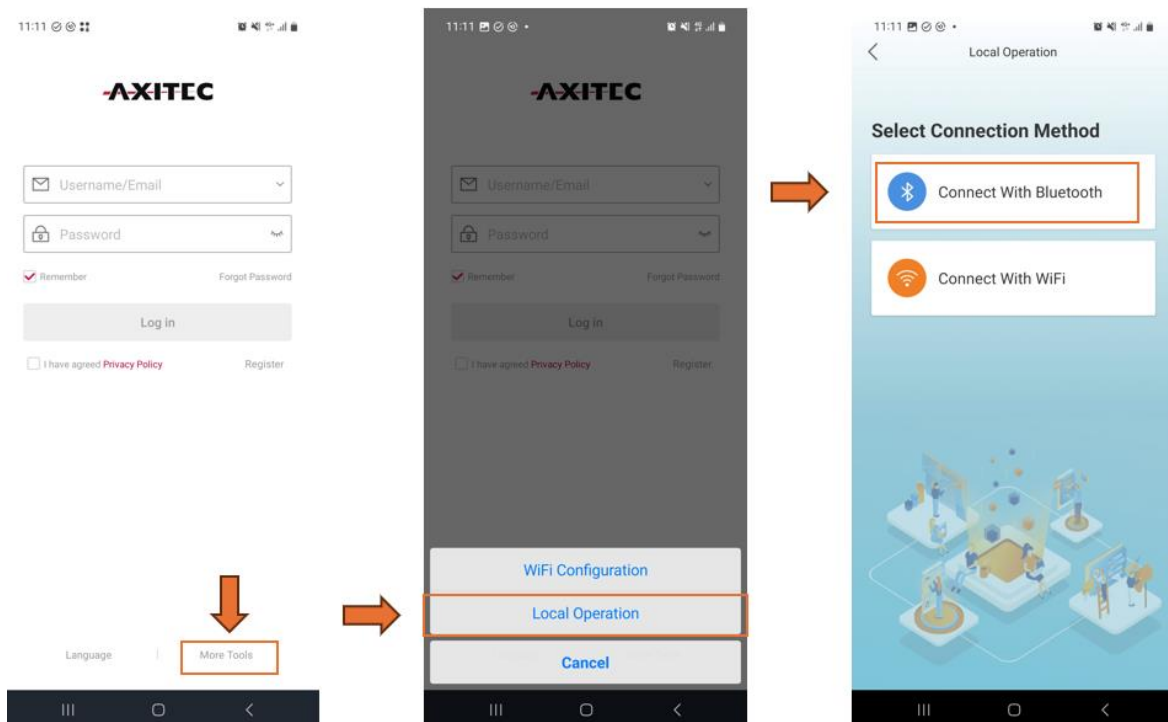


3 Connecting to your inverter (first-time installer login)

To establish a local connection, make sure that Bluetooth is activated on your device.

Open the AXIcloud app and do not log in.

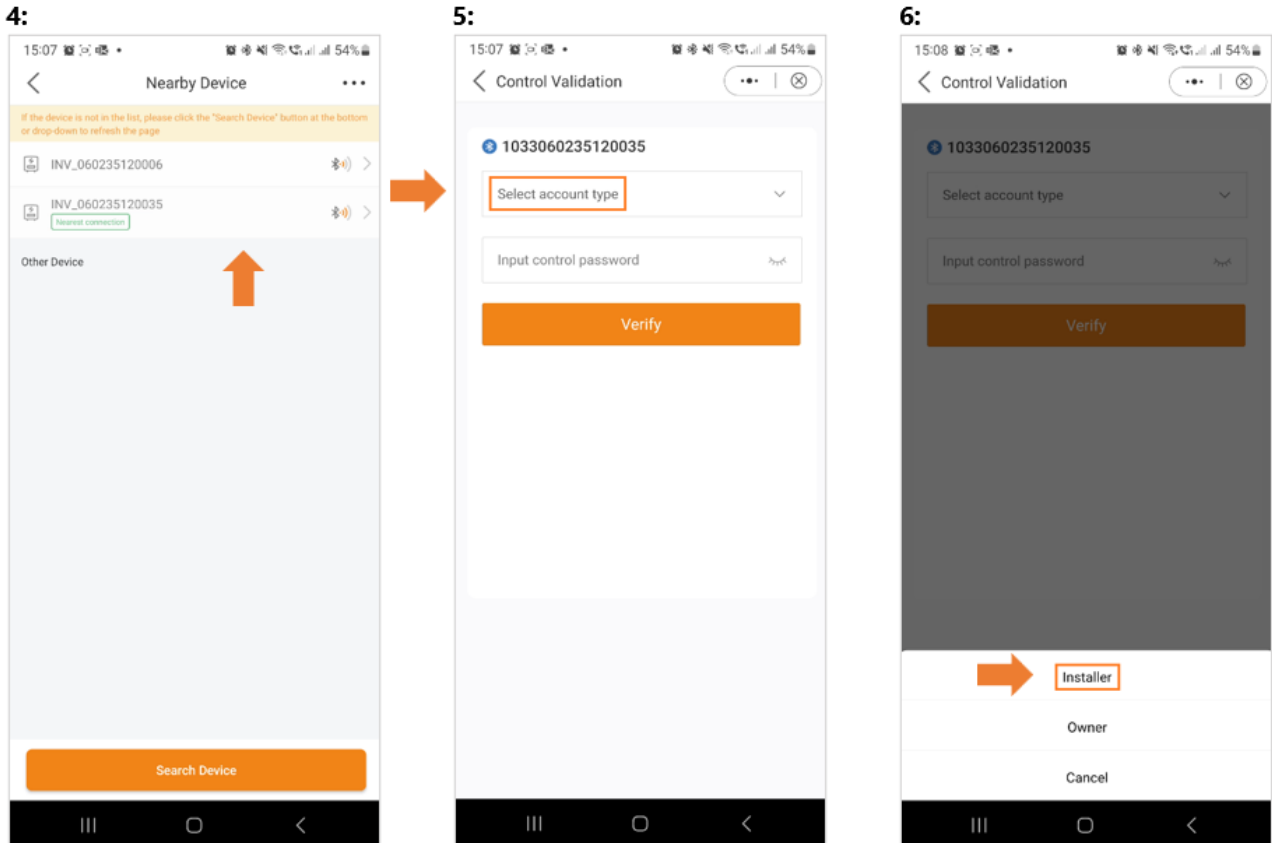
- 1: Navigate to the “More tools” button at the bottom right.
- 2: Click on “Local operation”.
- 3: Select the “Connect to Bluetooth” button.



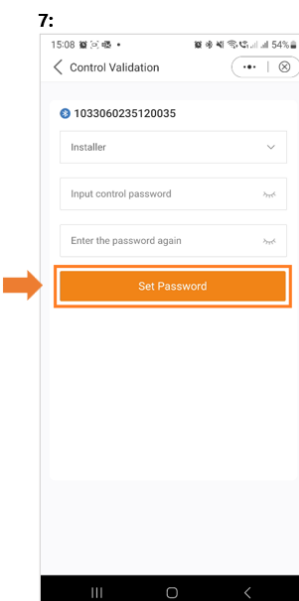
4: Your device should appear in the “Nearby devices” section. Click on your device and check the serial number.

5: Click on “Select account type”.

6: Select the “Installer” option.



7: The first time you access the inverter, you will be asked to set a password. Please follow the instructions on the Instructions screen. Once the password has been set, click on ‘Set password’.



After saving the password, you will now be connected to your inverter.

4 Overview of the quick settings

The quick settings are displayed on your screen.

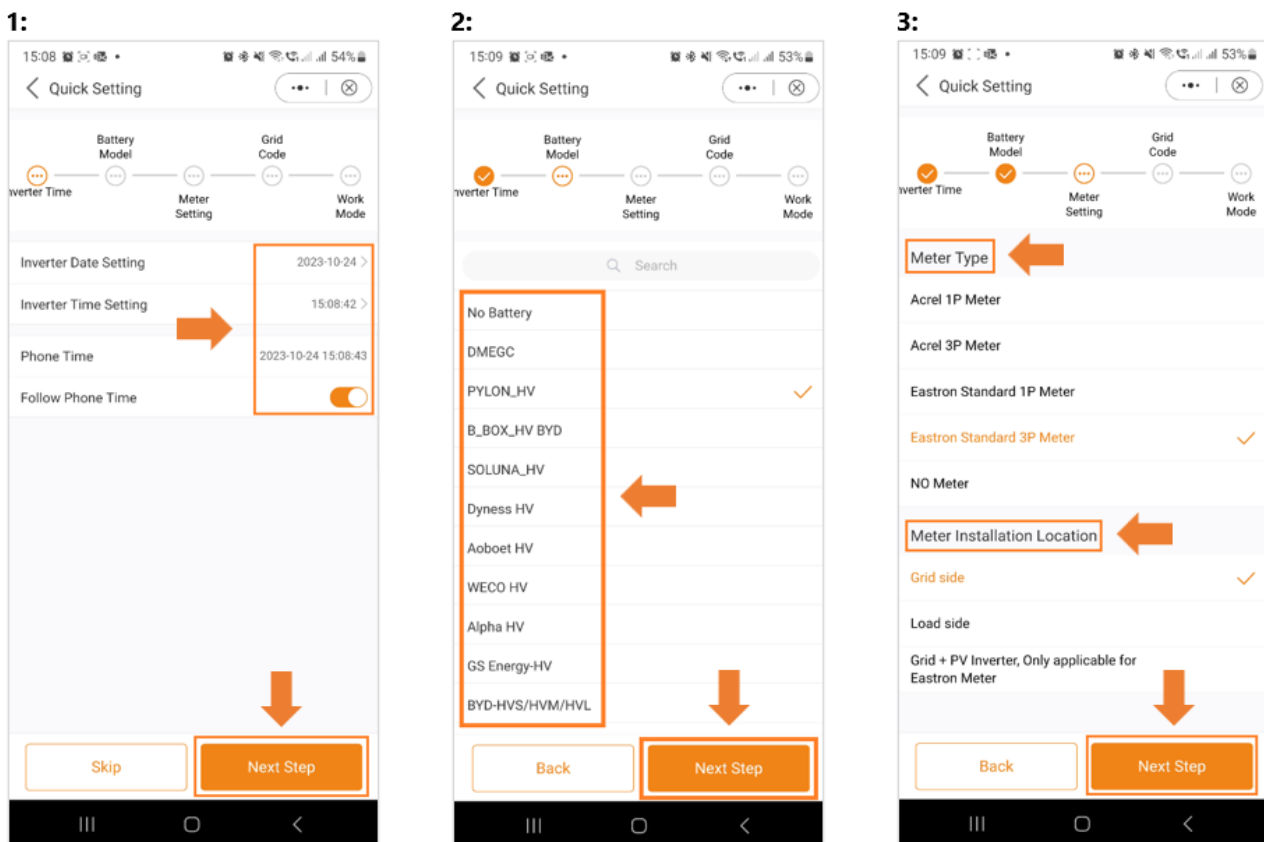
These are the 5 basic settings that need to be configured for the inverter to work properly.

1: First set the correct inverter time or simply follow the phone time and click on 'Next step'.

2: Once the time is set, select the correct battery model. Note: If you do not have a battery connected, please select 'No battery'. Click on 'Next step'.

3: In the third step, select the correct smart meter and its placement. Information on the exact placement of the meter can be found in the instructions for your model.

Note: If you have not connected a smart meter, please select 'No Meter'. Click on 'Next step'.

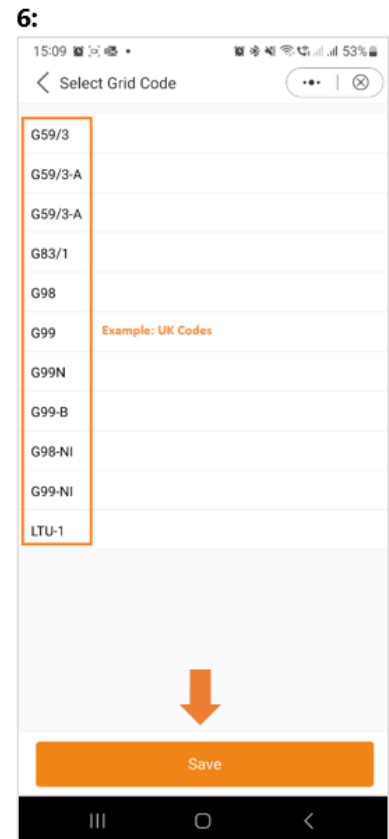
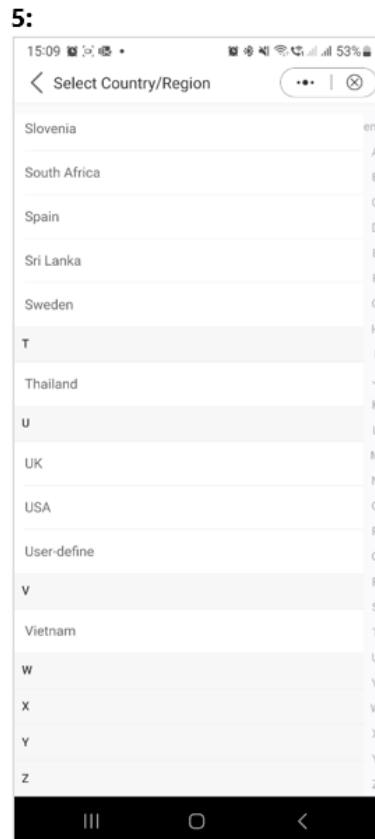
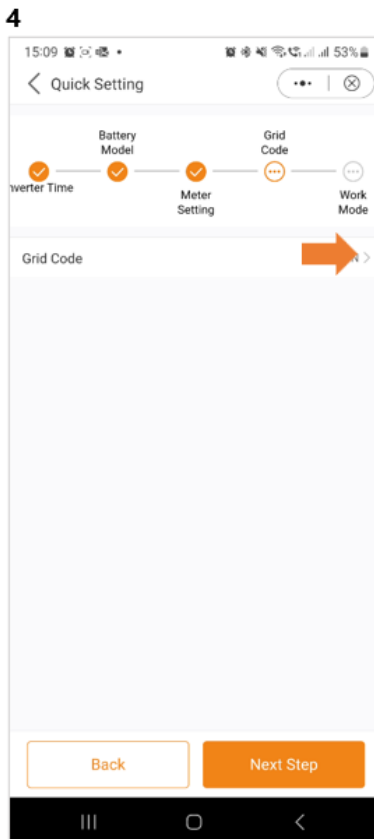


4: In the next step, select the correct grid code for your region.

5: Grid codes are sorted by country name.

6: Once you have selected your country, different codes will be displayed. Please select the correct one and click 'Save'.

If you are not sure which grid standard to use, please contact your local energy supplier for more information.



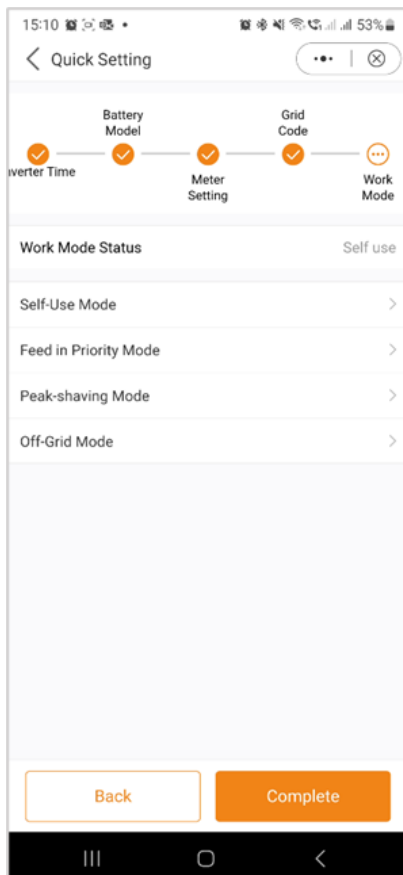
7: In the last step of the quick settings, select the mode you want to use. Four different modes are available:

Self-use mode

Feed-in priority mode

Peak shaving mode

Off-grid mode



5 Self-Use Mode

The self-service mode is designed to optimise the consumption of solar energy in your own household.

In this mode, the system prioritises using all the photovoltaic (PV) energy generated to power the home. Surplus energy that is not immediately required by the household is intelligently stored in connected batteries. Only when the batteries are fully charged is surplus energy fed into the grid.

If there is no battery system, the remaining surplus energy can be fed seamlessly into the public grid, provided the system is configured accordingly. Most people in Europe prefer this mode.

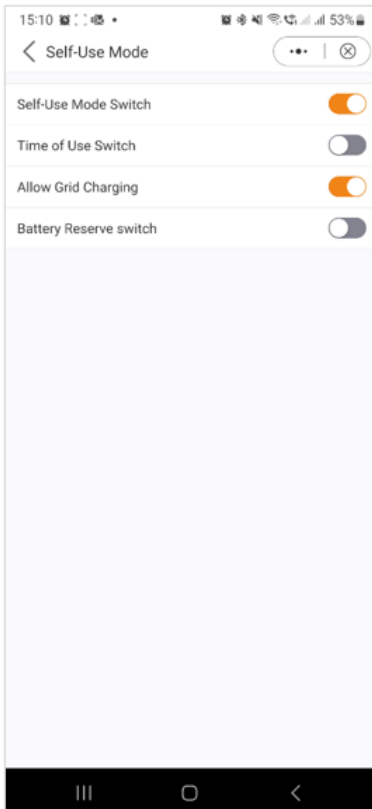
A: Self-use mode is activated without setting specific times for charging/discharging the battery and the battery reserve is not activated.

Note: AXITEC recommends activating the 'Allow mains charging' option. As soon as the battery reaches the forced charge SOC, the mains is used to charge the battery, thus preventing deep discharging of the battery.

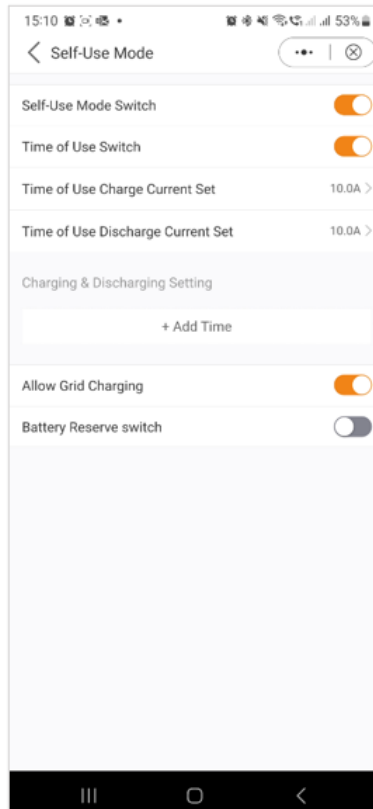
B: By activating the utilisation time switch, customers are given several options for setting the charging/discharging times.

C: Setting the charging or discharging current in the range of 0-50A.

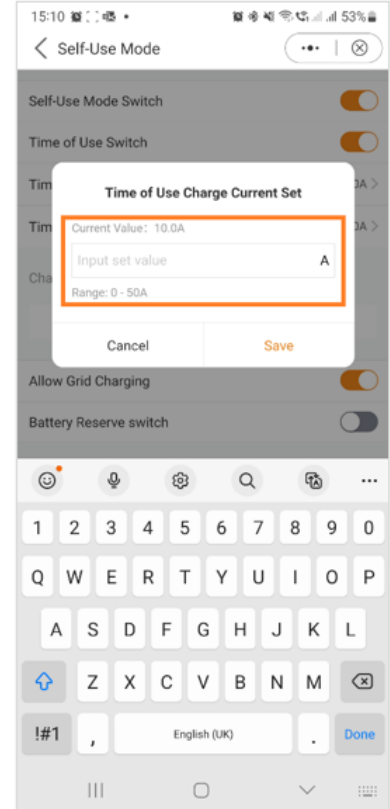
A:



B:



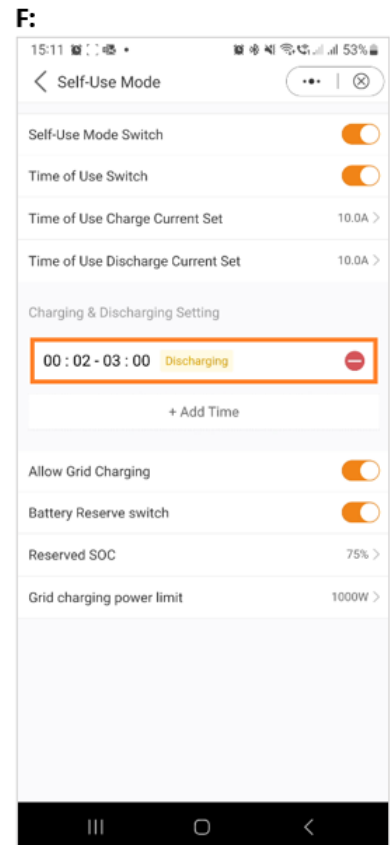
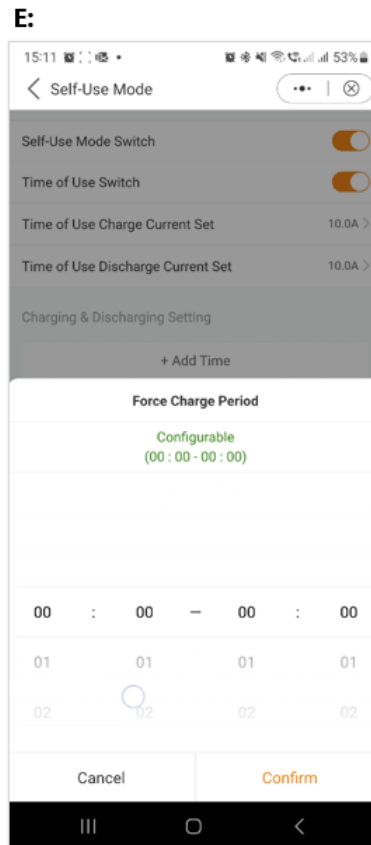
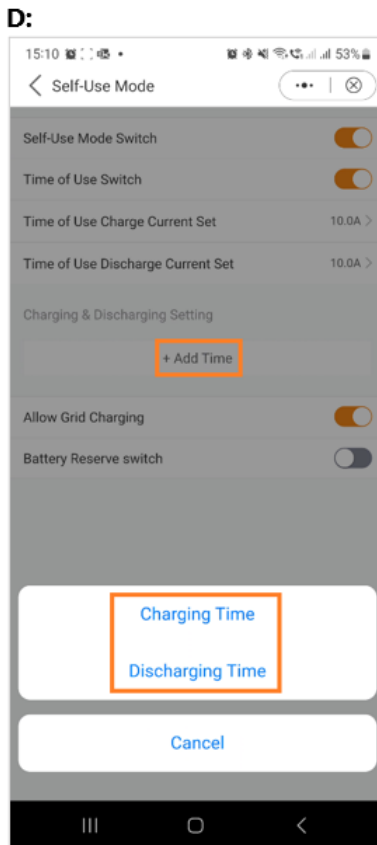
C:



D: If you want to set a specific charging or discharging value on your inverter, please press 'Add time' first and then select accordingly - charging or discharging times.

E: In the next step, please select the actual time range for forced charge period or forced discharge period.

F: Once the charge/forced charge period has been set, the details will be displayed on the screen.

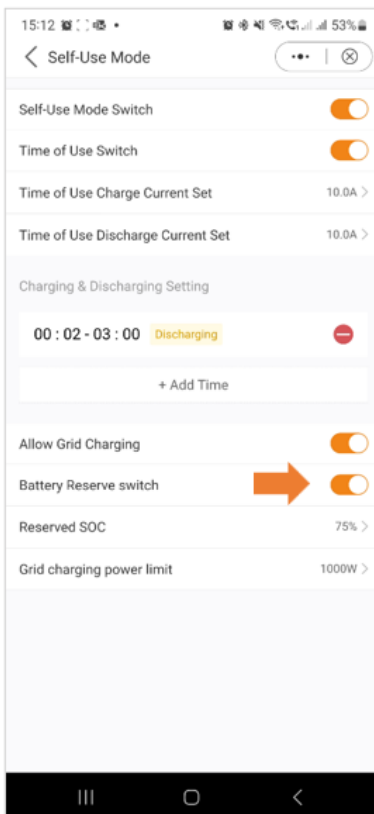


G: Self-service mode offers you the option of setting a battery reserve value. To do this, please activate the Battery reserve switch.

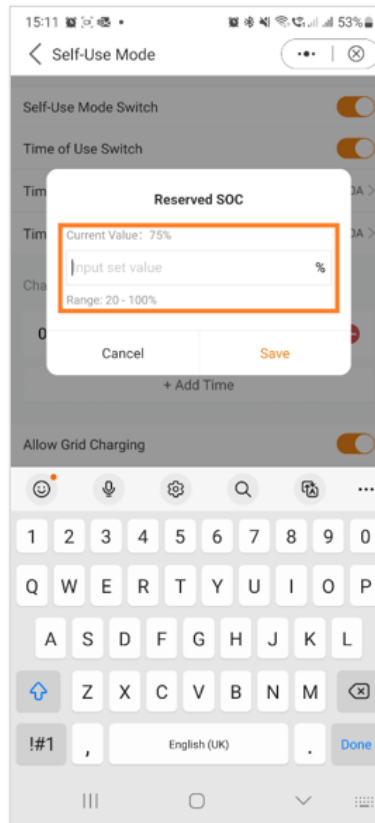
H: You can set a range between 20 % and 100 % of the battery charge level. The set SOC is reserved for the event of a power failure. (Only useful if the backup connection is assigned accordingly).

I: 'Limit value for the charging power of the grid' if nothing is changed, the reserved SOC is charged / maintained with full power from the grid. If a lower value is entered here, the full power from the grid is not used.

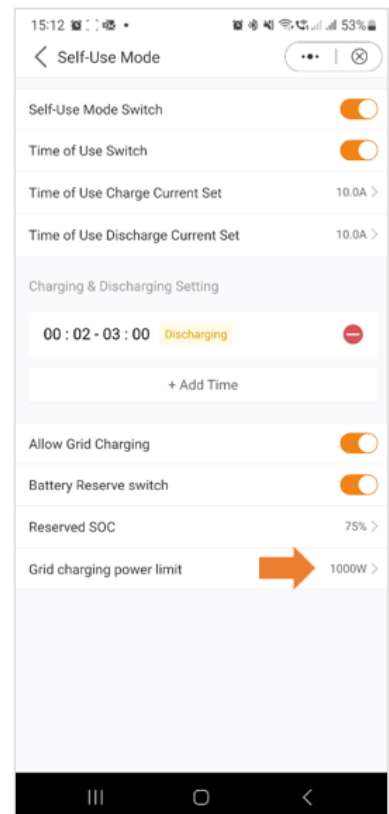
G:



H:



I:

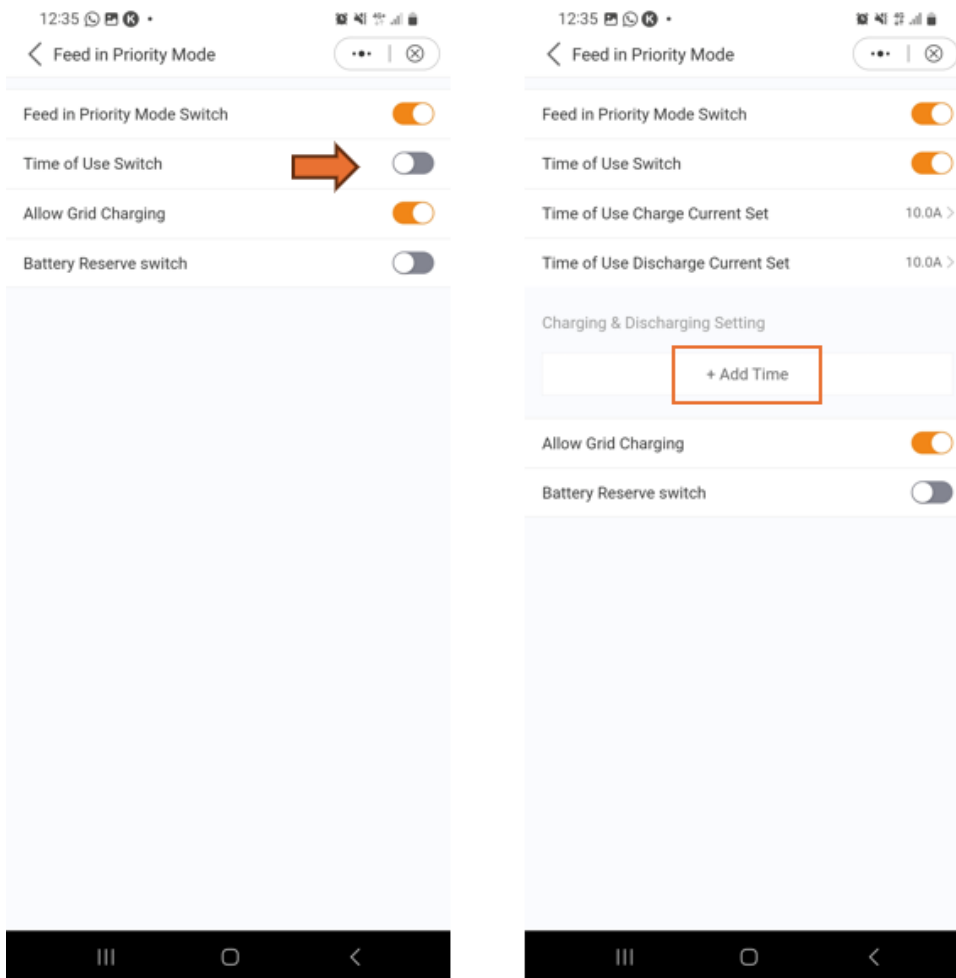


This concludes the instructions for self-service mode. As already mentioned, self-service mode is probably the desired setting for your inverter.

6 Feed in Priority Mode

By activating this mode, power is primarily sold to the mains. Consequently, the battery remains inactive - neither charging nor discharging - unless the time-of-use switch is activated and properly configured. Feed-in priority mode is particularly suitable for people with large PV systems in relation to power consumption and battery capacity. The main objective of this mode is to maximize the power sold to the grid and to use the battery only in short time intervals or in the event of a power failure in the grid.

The settings can be set in the same way as for self-service mode. Both modes offer the flexibility to define specific charging and discharging times, along with the ability to set the charging and discharging current. In addition, users can set a specific battery reserve SOC and limit grid-side power consumption in both modes.



7 Peak-Shaving Mode

“Peak shaving” is the mode used by households / industrial plants that exceed the power limits set by the energy supplier. The self-generated or stored electricity is used during peak consumption times to avoid additional costs. The AXITEC hybrid inverter is ideal for areas with peak load restrictions and can be combined with a photovoltaic (PV) system and an energy storage system. This allows users to rely on green electricity, gain independence and reduce electricity costs.

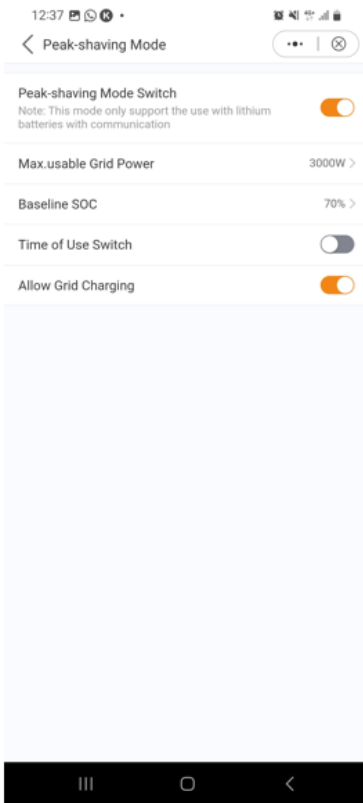
The PV electricity produced is used locally throughout the day and the battery is charged. Surplus electricity can be sold to the grid. At night, the battery supplies household needs. During grid interruptions, the system operates autonomously and ensures a continuous power supply for the household.

A: Peak shaving mode app view

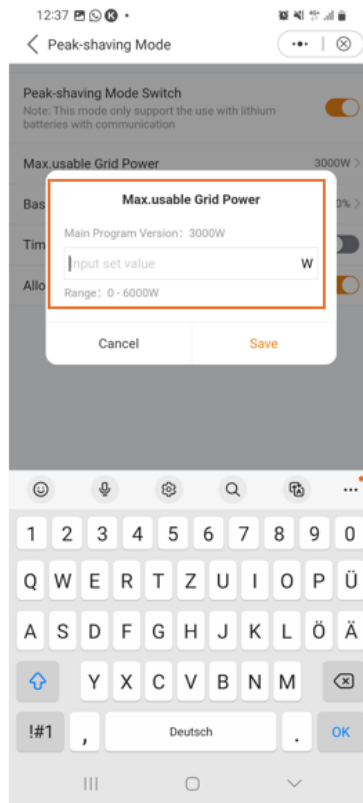
B: Define the maximum power from the grid.

C: Set a minimum SOC for the battery.

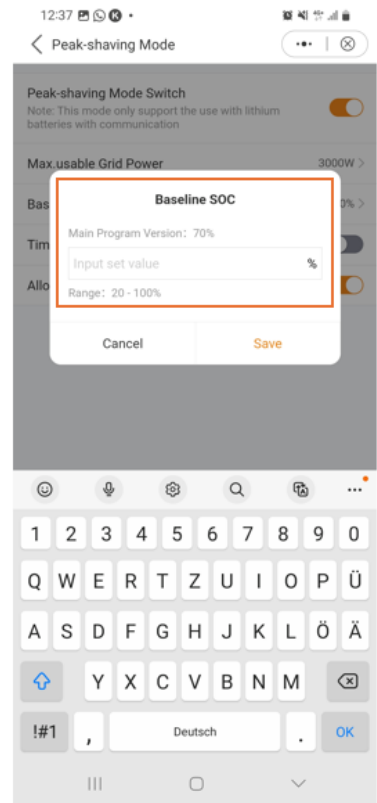
A:



B:



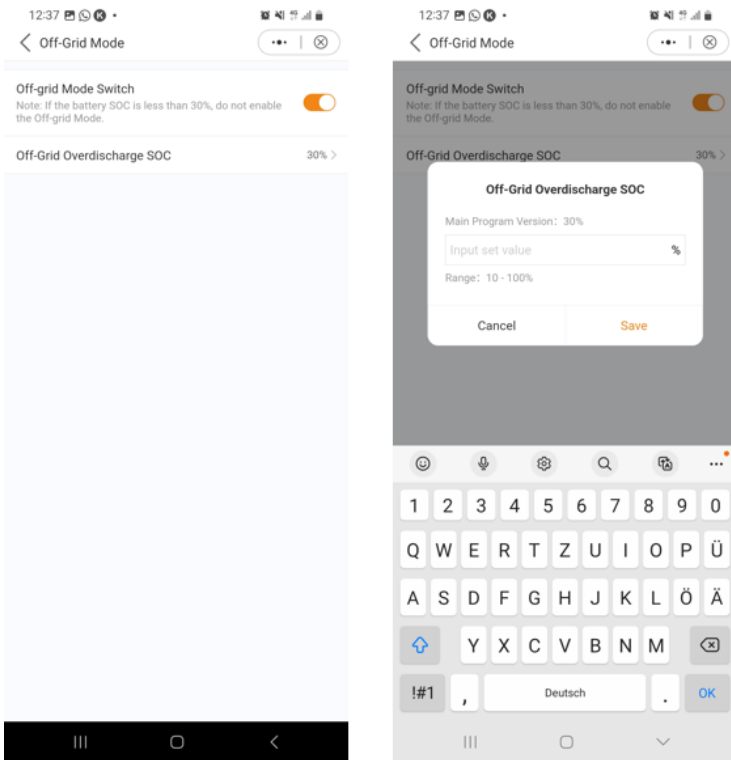
C:



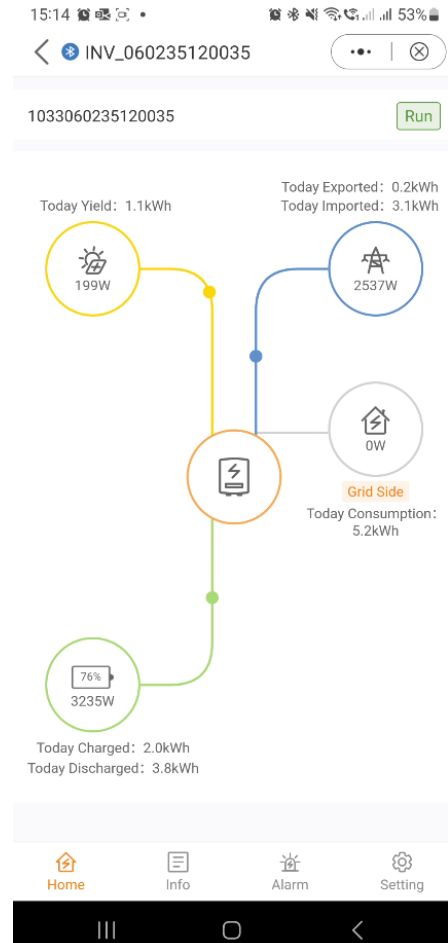
Here, too, you can configure the charging/discharging current and set charging times by activating the "Time of use switch".

8 OFF Grid Mode

This mode is intended exclusively for people who install the inverter in an off-grid configuration. No cables may be connected to the “AC Grid” terminals of the inverter for this purpose. Loads may only be connected to the “AC Backup” terminals. In this operating state, the inverter supplies the backup loads with energy from the PV system as well as from the battery, depending on its availability.



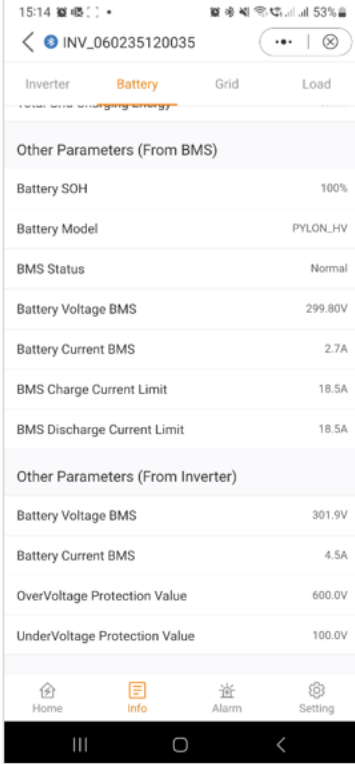
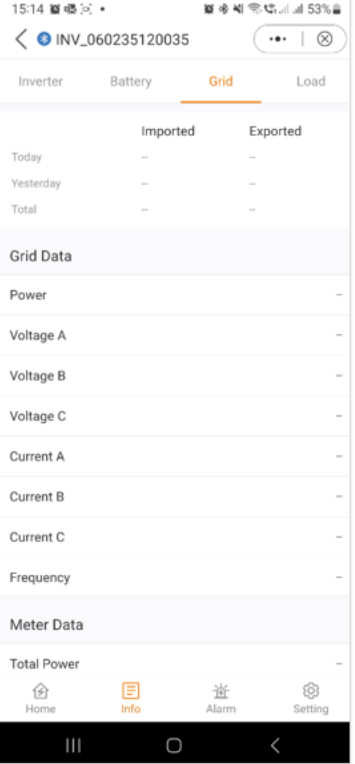
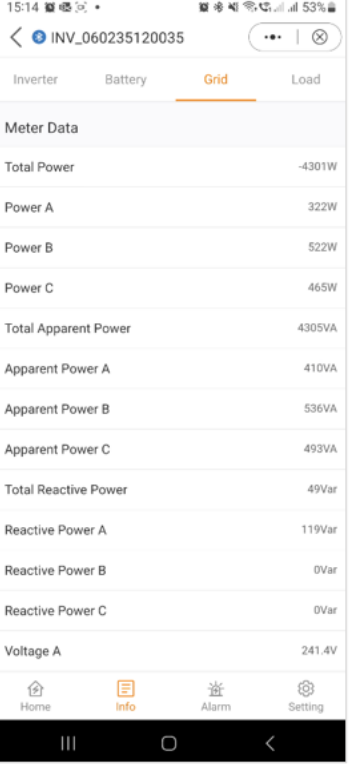
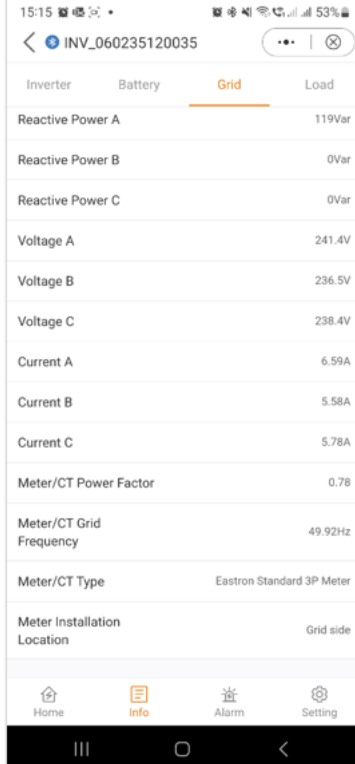
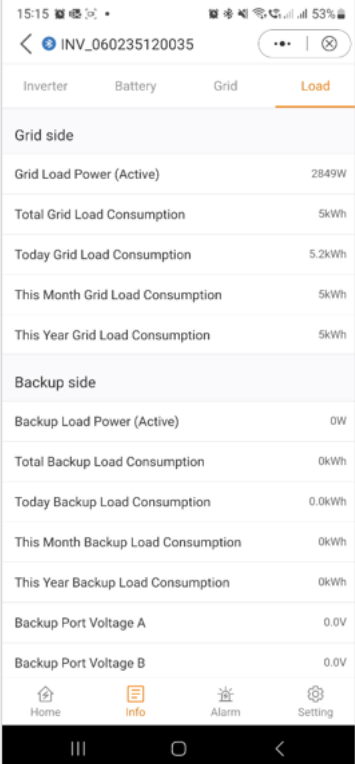
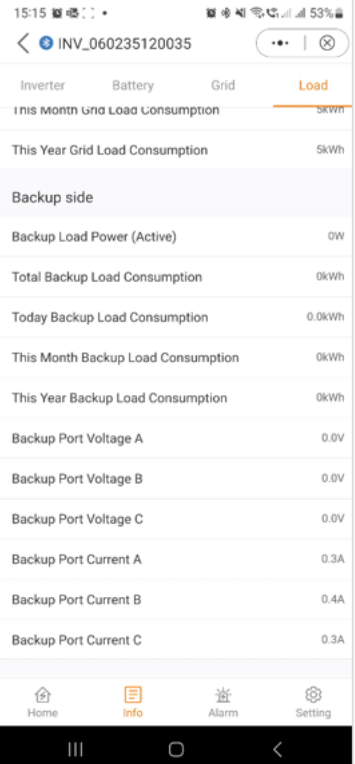
Once you have selected and configured your preferred mode, the device setup is complete. In the app, you should now see a graphical representation that illustrates the energy flow within the inverter system. This graph normally shows the current PV power, grid input, loads and battery status. In the example provided, no loads are connected, so the graph appears in gray.



9 APP-Information screen

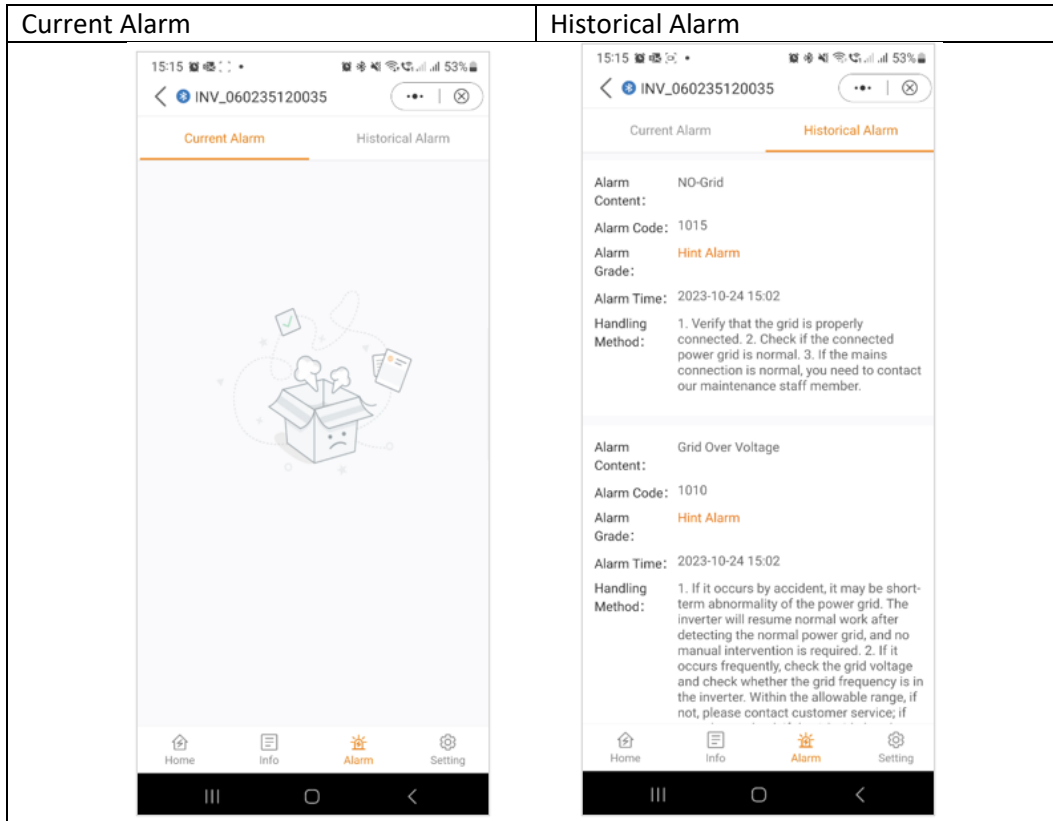
The app information screen gives you easy access to real-time data on inverter, battery, grid and load side details.

Inverter Information	Inverter Information	Battery Information																																																										
Top section	Bottom section	Top section																																																										
<p>15:14 INV_060235120035</p> <p>Inverter Battery Grid Load</p> <p>Total Yield 1kWh</p> <table border="1"> <tr> <td>1.1kWh Today Yield</td> <td>1kWh This Month Yield</td> <td>1kWh This Year Yield</td> </tr> <tr> <td>0.0kWh Yesterday Yield</td> <td>0kWh Last Month Yield</td> <td>0kWh Last Year Yield</td> </tr> </table> <p>View Historical Yield ></p> <p>Total PV Input Power 199W</p> <table border="1"> <thead> <tr> <th></th> <th>Voltage</th> <th>Current</th> <th>Power</th> </tr> </thead> <tbody> <tr> <td>PV1</td> <td>199.1V</td> <td>1.0A</td> <td>199.10W</td> </tr> <tr> <td>PV2</td> <td>0.0V</td> <td>0.0A</td> <td>0.00W</td> </tr> <tr> <td>PV3</td> <td>0.0V</td> <td>0.0A</td> <td>0.00W</td> </tr> <tr> <td>PV4</td> <td>0.0V</td> <td>0.0A</td> <td>0.00W</td> </tr> </tbody> </table> <p>Total Inverter 0kWh</p> <p>Inverter SN 1033060235120035</p> <p>Inverter Time 2023-10-24 15:14:07</p> <p>Rated Power 10kW</p> <p>Home Info Alarm Setting</p>	1.1kWh Today Yield	1kWh This Month Yield	1kWh This Year Yield	0.0kWh Yesterday Yield	0kWh Last Month Yield	0kWh Last Year Yield		Voltage	Current	Power	PV1	199.1V	1.0A	199.10W	PV2	0.0V	0.0A	0.00W	PV3	0.0V	0.0A	0.00W	PV4	0.0V	0.0A	0.00W	<p>15:14 INV_060235120035</p> <p>Inverter Battery Grid Load</p> <table border="1"> <thead> <tr> <th></th> <th>Voltage</th> <th>Current</th> <th>Power</th> </tr> </thead> <tbody> <tr> <td>PV1</td> <td>199.1V</td> <td>1.0A</td> <td>199.10W</td> </tr> <tr> <td>PV2</td> <td>0.0V</td> <td>0.0A</td> <td>0.00W</td> </tr> <tr> <td>PV3</td> <td>0.0V</td> <td>0.0A</td> <td>0.00W</td> </tr> <tr> <td>PV4</td> <td>0.0V</td> <td>0.0A</td> <td>0.00W</td> </tr> </tbody> </table> <p>Total Inverter 0kWh</p> <p>Inverter SN 1033060235120035</p> <p>Inverter Time 2023-10-24 15:14:07</p> <p>Rated Power 10kW</p> <p>Model Number 3306</p> <p>DSP Version V024E</p> <p>HMI Version V0760</p> <p>G100 Status -</p> <p>Grid Code G99N</p> <p>Advanced Information ></p> <p>Home Info Alarm Setting</p>		Voltage	Current	Power	PV1	199.1V	1.0A	199.10W	PV2	0.0V	0.0A	0.00W	PV3	0.0V	0.0A	0.00W	PV4	0.0V	0.0A	0.00W	<p>15:14 INV_060235120035</p> <p>Inverter Battery Grid Load</p> <p>1358W Charging Power 76% Battery SOC(SOC)</p> <table border="1"> <thead> <tr> <th></th> <th>Charging Energy</th> <th>Discharging Energy</th> </tr> </thead> <tbody> <tr> <td>Today</td> <td>2.0kWh</td> <td>3.8kWh</td> </tr> <tr> <td>Yesterday</td> <td>0.0kWh</td> <td>0.0kWh</td> </tr> <tr> <td>Total</td> <td>2kWh</td> <td>3kWh</td> </tr> </tbody> </table> <p>Total Grid Charging Energy 0kWh</p> <p>Other Parameters (From BMS)</p> <p>Battery SOH 100%</p> <p>Battery Model PYLON_HV</p> <p>BMS Status Normal</p> <p>Battery Voltage BMS 299.80V</p> <p>Battery Current BMS 2.7A</p> <p>BMS Charge Current Limit 18.5A</p> <p>Home Info Alarm Setting</p>		Charging Energy	Discharging Energy	Today	2.0kWh	3.8kWh	Yesterday	0.0kWh	0.0kWh	Total	2kWh	3kWh
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BMS Discharge Current Limit	18.5A																																																																															
Battery Voltage BMS	301.9V																																																																															
Battery Current BMS	4.5A																																																																															
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UnderVoltage Protection Value	100.0V																																																																															
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Power C	465W																																																																															
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Apparent Power C	493VA																																																																															
Total Reactive Power	49Var																																																																															
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Bottom section	Top section	Bottom section																																																																														
 <p>15:15 INV_060235120035</p> <p>Inverter Battery Grid Load</p> <table border="1"> <tr><td>Reactive Power A</td><td>119Var</td></tr> <tr><td>Reactive Power B</td><td>0Var</td></tr> <tr><td>Reactive Power C</td><td>0Var</td></tr> <tr><td>Voltage A</td><td>241.4V</td></tr> <tr><td>Voltage B</td><td>236.5V</td></tr> <tr><td>Voltage C</td><td>238.4V</td></tr> <tr><td>Current A</td><td>6.59A</td></tr> <tr><td>Current B</td><td>5.58A</td></tr> <tr><td>Current C</td><td>5.78A</td></tr> <tr><td>Meter/CT Power Factor</td><td>0.78</td></tr> <tr><td>Meter/CT Grid Frequency</td><td>49.92Hz</td></tr> <tr><td>Meter/CT Type</td><td>Eastron Standard 3P Meter</td></tr> <tr><td>Meter Installation Location</td><td>Grid side</td></tr> </table>	Reactive Power A	119Var	Reactive Power B	0Var	Reactive Power C	0Var	Voltage A	241.4V	Voltage B	236.5V	Voltage C	238.4V	Current A	6.59A	Current B	5.58A	Current C	5.78A	Meter/CT Power Factor	0.78	Meter/CT Grid Frequency	49.92Hz	Meter/CT Type	Eastron Standard 3P Meter	Meter Installation Location	Grid side	 <p>15:15 INV_060235120035</p> <p>Inverter Battery Grid Load</p> <p>Grid side</p> <table border="1"> <tr><td>Grid Load Power (Active)</td><td>2849W</td></tr> <tr><td>Total Grid Load Consumption</td><td>5kWh</td></tr> <tr><td>Today Grid Load Consumption</td><td>5.2kWh</td></tr> <tr><td>This Month Grid Load Consumption</td><td>5kWh</td></tr> <tr><td>This Year Grid Load Consumption</td><td>5kWh</td></tr> </table> <p>Backup side</p> <table border="1"> <tr><td>Backup Load Power (Active)</td><td>0W</td></tr> <tr><td>Total Backup Load Consumption</td><td>0kWh</td></tr> <tr><td>Today Backup Load Consumption</td><td>0.0kWh</td></tr> <tr><td>This Month Backup Load Consumption</td><td>0kWh</td></tr> <tr><td>This Year Backup Load Consumption</td><td>0kWh</td></tr> <tr><td>Backup Port Voltage A</td><td>0.0V</td></tr> <tr><td>Backup Port Voltage B</td><td>0.0V</td></tr> </table>	Grid Load Power (Active)	2849W	Total Grid Load Consumption	5kWh	Today Grid Load Consumption	5.2kWh	This Month Grid Load Consumption	5kWh	This Year Grid Load Consumption	5kWh	Backup Load Power (Active)	0W	Total Backup Load Consumption	0kWh	Today Backup Load Consumption	0.0kWh	This Month Backup Load Consumption	0kWh	This Year Backup Load Consumption	0kWh	Backup Port Voltage A	0.0V	Backup Port Voltage B	0.0V	 <p>15:15 INV_060235120035</p> <p>Inverter Battery Grid Load</p> <p>This Month Grid Load Consumption 5kWh</p> <p>This Year Grid Load Consumption 5kWh</p> <p>Backup side</p> <table border="1"> <tr><td>Backup Load Power (Active)</td><td>0W</td></tr> <tr><td>Total Backup Load Consumption</td><td>0kWh</td></tr> <tr><td>Today Backup Load Consumption</td><td>0.0kWh</td></tr> <tr><td>This Month Backup Load Consumption</td><td>0kWh</td></tr> <tr><td>This Year Backup Load Consumption</td><td>0kWh</td></tr> <tr><td>Backup Port Voltage A</td><td>0.0V</td></tr> <tr><td>Backup Port Voltage B</td><td>0.0V</td></tr> <tr><td>Backup Port Voltage C</td><td>0.0V</td></tr> <tr><td>Backup Port Current A</td><td>0.3A</td></tr> <tr><td>Backup Port Current B</td><td>0.4A</td></tr> <tr><td>Backup Port Current C</td><td>0.3A</td></tr> </table>	Backup Load Power (Active)	0W	Total Backup Load Consumption	0kWh	Today Backup Load Consumption	0.0kWh	This Month Backup Load Consumption	0kWh	This Year Backup Load Consumption	0kWh	Backup Port Voltage A	0.0V	Backup Port Voltage B	0.0V	Backup Port Voltage C	0.0V	Backup Port Current A	0.3A	Backup Port Current B	0.4A	Backup Port Current C	0.3A						
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10 App-Alarm notification

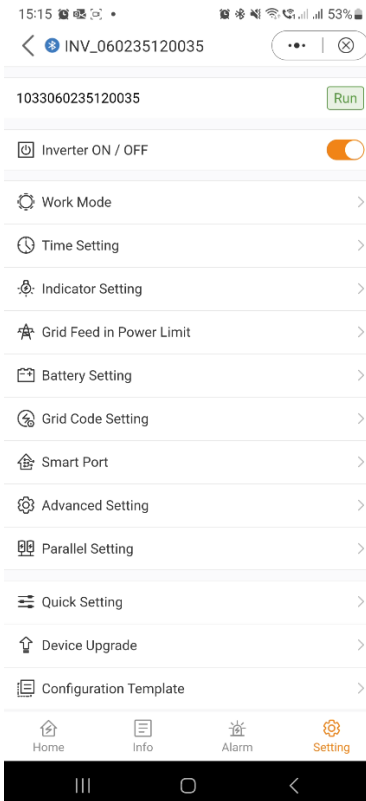
Both current and historical alarms are accessible in the “Alarm Notifications” section. Users can review the details of each alarm message to gain further details and insight into the system status and any previous issues that may have occurred. This feature allows users to track and resolve any alarms or issues that have occurred during the operation of the inverter system.



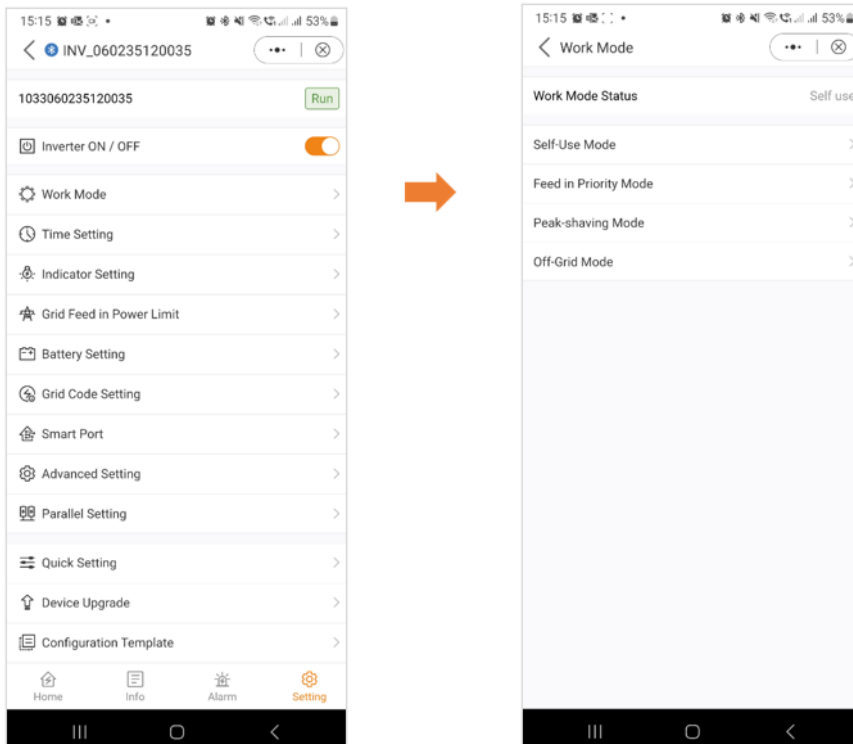
11 Settings

In the next section, we will give you an overview of the inverter settings accessible via the app. These settings offer a range of options, from basic functions such as switching the inverter on/off and adjusting the battery settings to advanced options such as updating your device. We recommend that you read each of the following sections to gain a detailed understanding of the available functions.

11.1 Overview of the settings



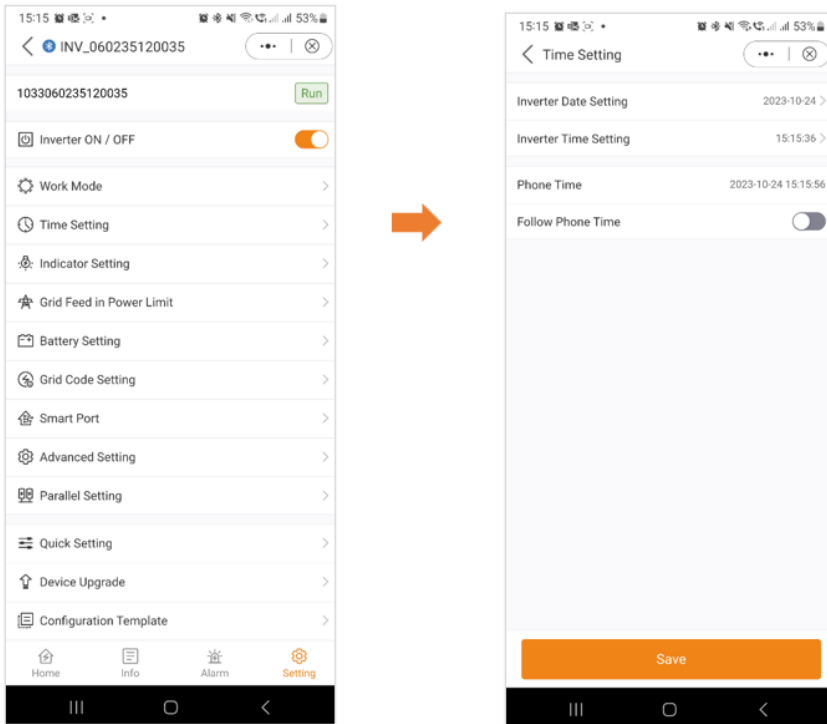
11.2 Work mode



Note: For a comprehensive understanding of the various operating modes, please read the previous section (Quick setup), where we have already provided detailed explanations of the individual modes.

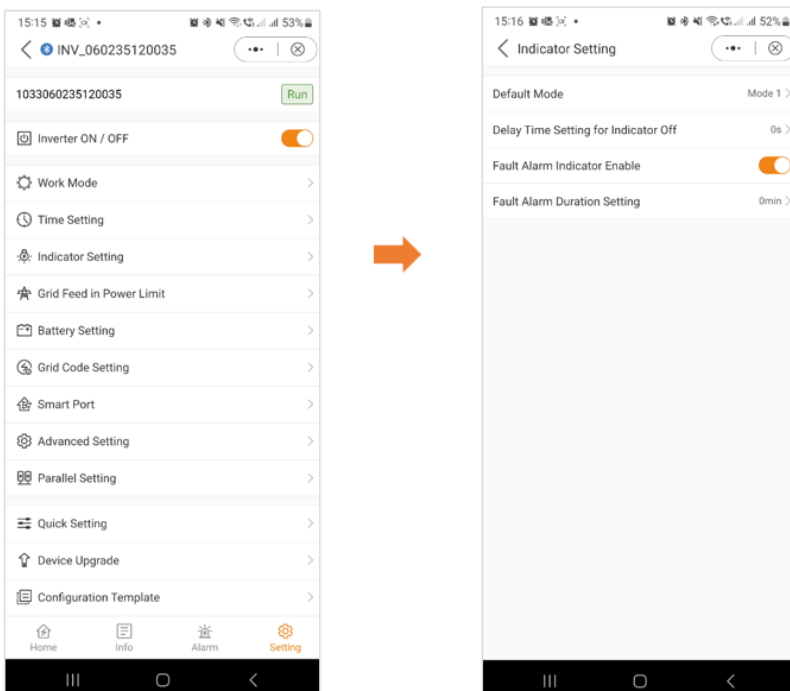
11.3 Time Setting

For the inverter to function properly, it is essential that the correct time is set. This ensures accurate timing and synchronization so that the device works as intended.



11.4 Indicator setting

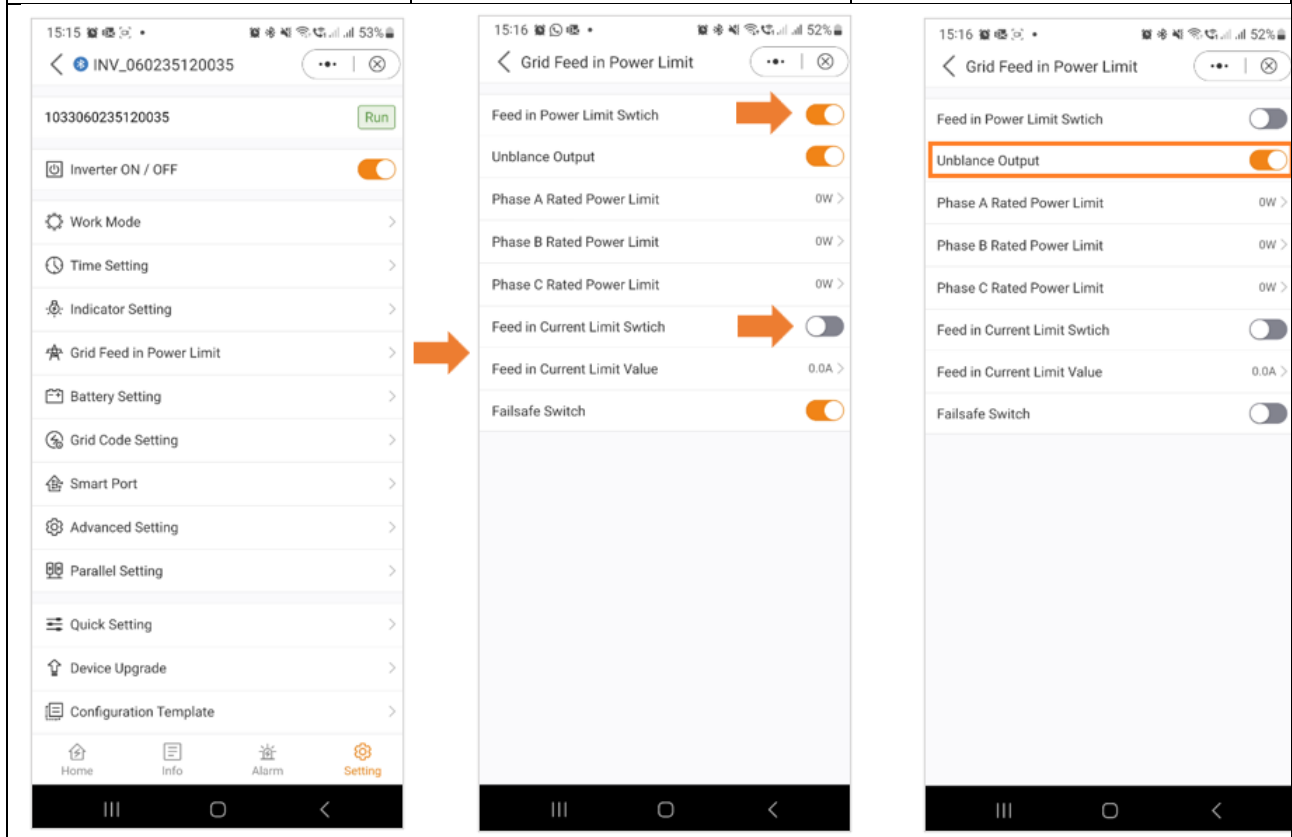
The indicator setting on inverters allows users to customize the display on the home page according to their preferences. This feature enables customized display of key indicators such as power output, battery status and system alerts. By providing flexible visual feedback, the indicator setting increases user convenience and promotes personalized and efficient monitoring.

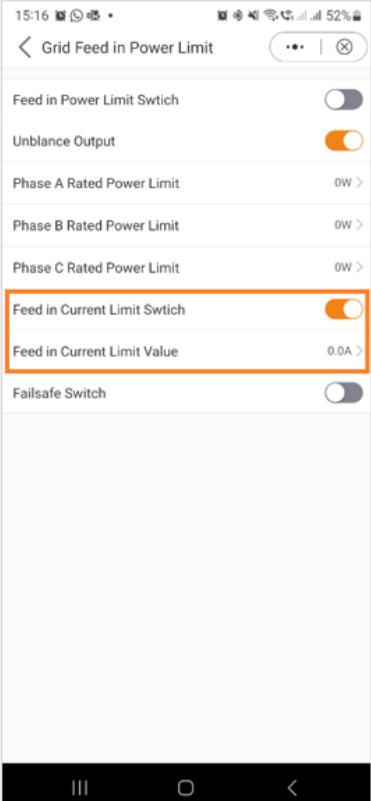
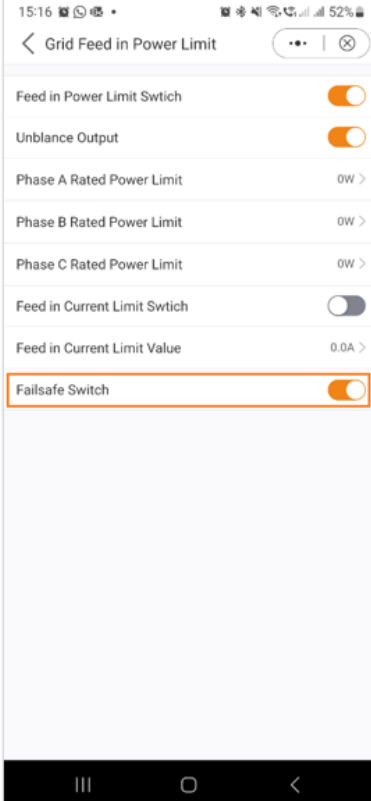


11.5 Grid feed-in power limitation - EPM function

Customers can use the internal EPM (Export Power Limit) function to limit the amount of power exported from the inverter. Via the app, users have the flexibility to easily adjust various settings to control the amount of power fed into the grid. This feature provides users with a convenient way to manage and limit their power export based on their preferences and requirements.

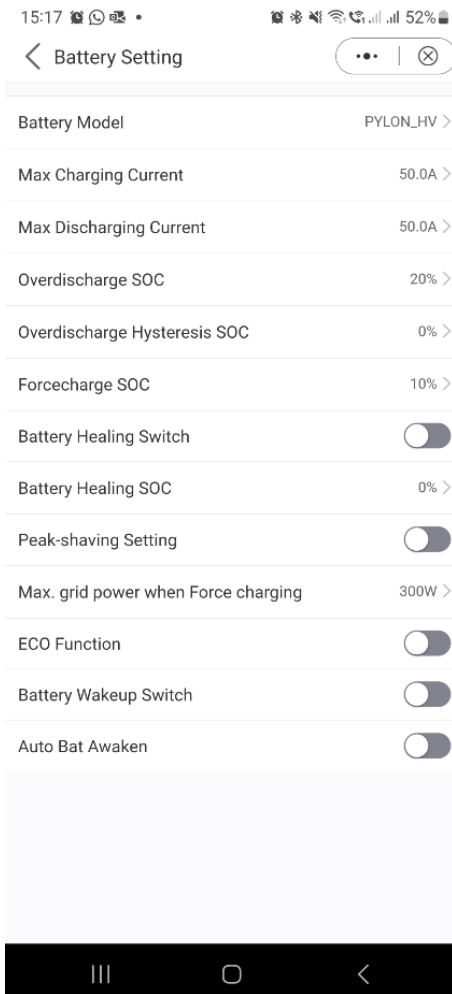
General setting	Feed in power limit switch - Display	Unbalanced output
	You have the flexibility to limit the feed-in of power or electricity.	If this is set to “On”, the feed-in limitation of the power per phase is regulated.



Feed in Current limited switch	Failsafe switch
<p>You can also only use the electricity from the feed-in.</p>	<p>If this setting is activated, the inverter interrupts power generation if communication with the external meter is interrupted. In such cases, an alarm code is displayed on the screen and if a logger is installed, the information is logged on AXIcloud. Activating the failover ensures that no power is fed into the grid, providing an additional layer of control and security in the event of communication interruptions.</p>
	

11.6 Battery settings

The battery section of the app offers numerous options to customize the interaction between the inverter and battery. Here we explain the functions and features available in this section so that users can adapt the behavior of the inverter to their specific preferences and requirements.



Battery model: Please select the correct battery model. If you do not have a battery, select “No battery” to ensure an accurate configuration.

Max. Charge/discharge current: Select the maximum charge/discharge current you require. This selection allows you to customize the charging and discharging parameters according to your preferences and requirements.

Over-discharge SOC: The over-discharge SOC (state of charge) is the minimum battery state of charge up to which the inverter is allowed to discharge the battery. It serves as protection to prevent the battery from discharging beyond this defined threshold, thus ensuring its longevity and health.

Over-discharge hysteresis SOC: When the customer activates this function, the battery forces the charging process to over-discharge SOC + over-discharge hysteresis SOC. Recommended setting 0%

Forced charge SOC: The forced charge SOC for the battery is the minimum state of charge (SOC) at which the inverter initiates charging of the battery via the grid. It indicates the threshold below which the inverter will actively charge the battery to maintain optimal performance.

Peak shaving setting: If the switch is activated, the power of the forced charging is dynamically adjusted.

Example of a peak shaving setting:

A few examples to illustrate this: (Maximum grid power for forced charging = 4 kW)

If the load=3kW, PV=0kW, $P_{\text{forced charging}} = P_{\text{grid}}(4\text{kW}) - P_{\text{load}}(3\text{kW}) = 1\text{kW}$.

If the load = 10 kW, PV = 0 kW, $P_{\text{forced charging}} = 0 \text{ kW}$, $P_{\text{grid}} = P_{\text{load}} = 10 \text{ kW}$.

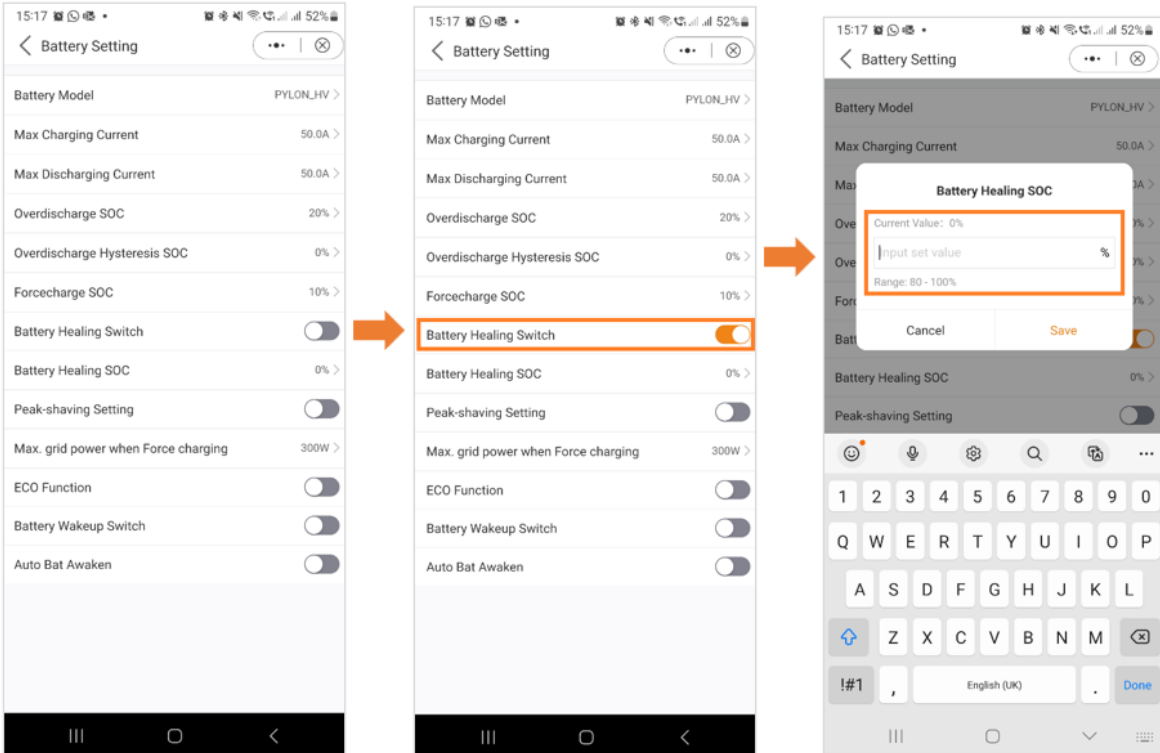
Maximum grid power during forced charging: During forced charging activation, users have the option to set the maximum power used by the grid. This function allows the power limit to be adjusted individually, thus ensuring control over the amount of energy drawn from the grid during the charging process. (Peak shaving must be activated)

ECO function: If the PV power is less than 100 W and the SOC falls below the over-discharge SOC, the inverter switches off the grid relays and the IGBT switchover. When the forced charge SOC is reached, it reconnects to the grid and charges the battery to prevent the SOC from discharging too much, and then switches off again.

Battery wake-up switch: After the battery wake-up command, the inverter will supply the DC battery terminal with the battery wake-up voltage and low ampere value until the battery BMS communication is restored within the wake-up time.

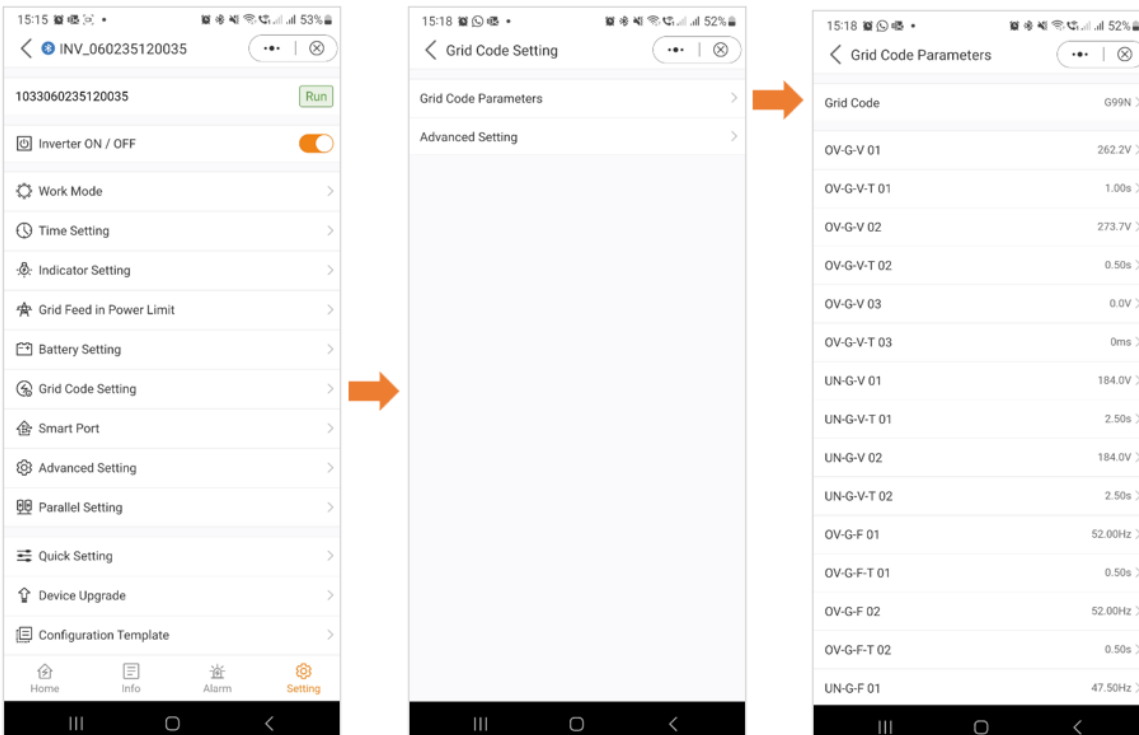
Auto battery wake-up: The battery is woken up according to the preset battery activation condition.

Battery heal switch: If the lithium battery remains flat for a long period of time, the battery charge level measurement is not accurate. This function charges the battery to the set healing SOC when the battery reaches the overdischarge SOC. This ensures healthy and stable operation of the battery.



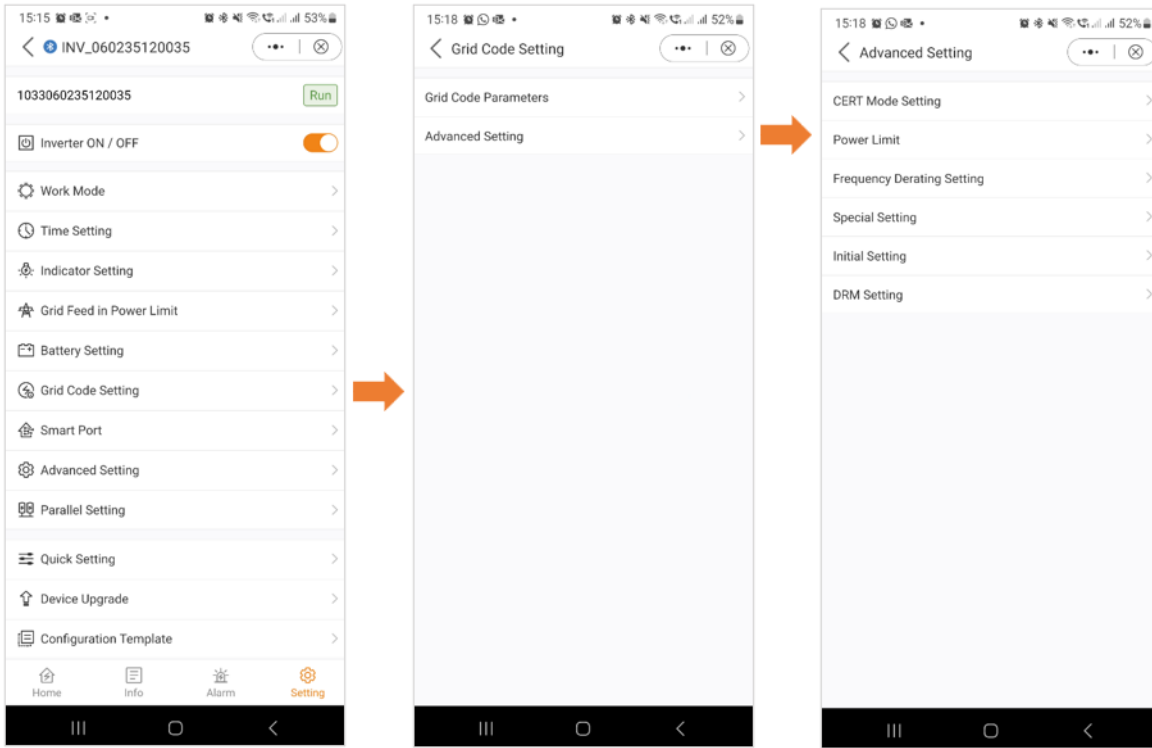
11.7 Grid Code Setting

Die Grid-Code-Einstellungen bieten Benutzern Informationen sowohl zu den Grid-Code-Parametern als auch zu den erweiterten Grid-Code-Einstellungen. Grid-Code-Parameter geben Ihnen einen Einblick in die Details des ausgewählten Grid-Codes.



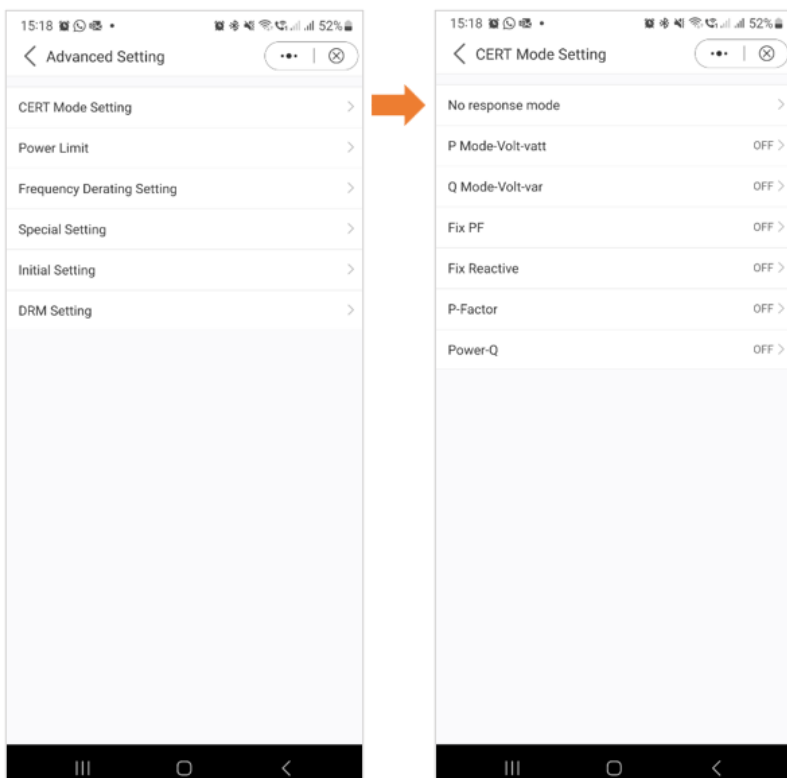
11.8 Grid Code setting – advanced setting

The advanced settings provide users with insights into functions such as power limiting, frequency reduction settings and DRM (Dynamic Response Mechanism) settings. These advanced parameters provide fine-tuned control and adjustment options to optimize the performance of the inverter system.

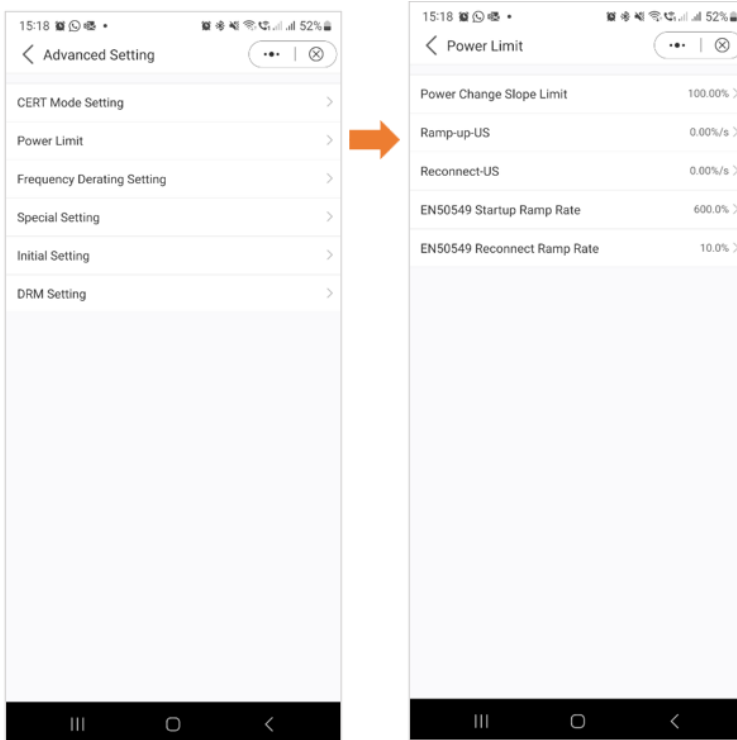


11.9 CERT-Mode setting

Certification modes are defined working modes for grid codes

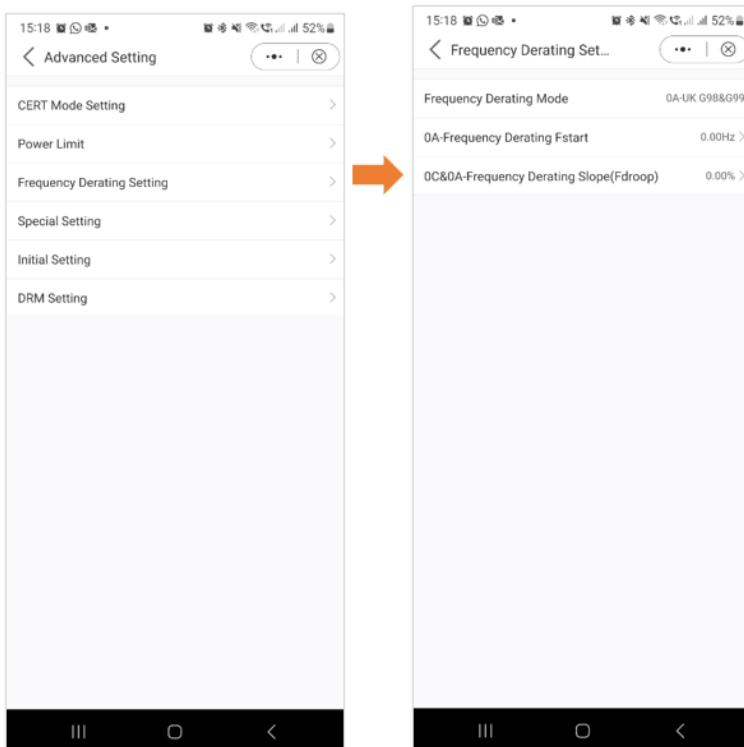


11.10 Power limit



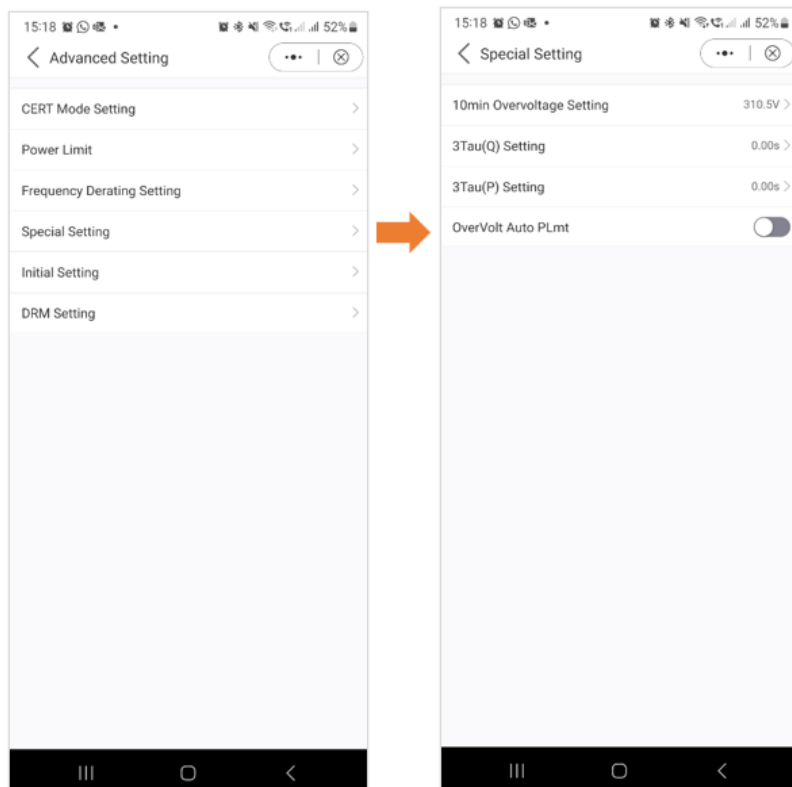
11.11 Frequency derating setting

If the grid is in an overfrequency state, the output power of the inverter is reduced.

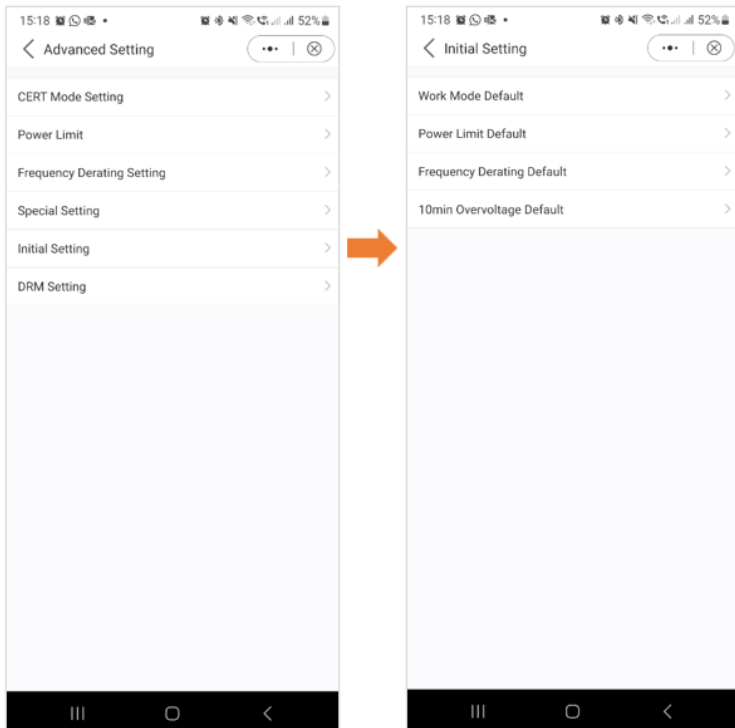


11.12 Special setting

These settings are the normal protection parameters in various network standards.

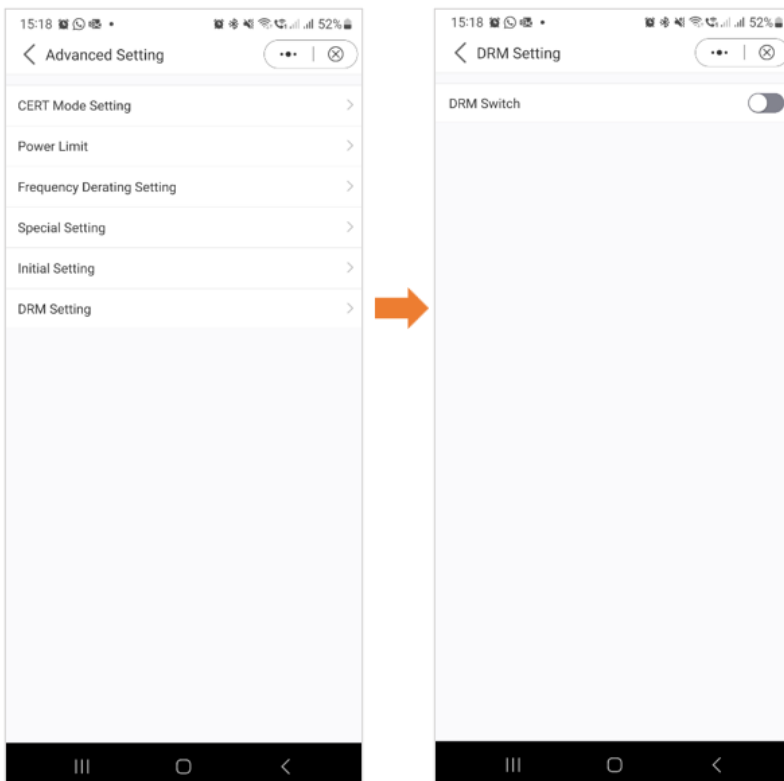


11.13 Initial setting



11.14 DRM setting

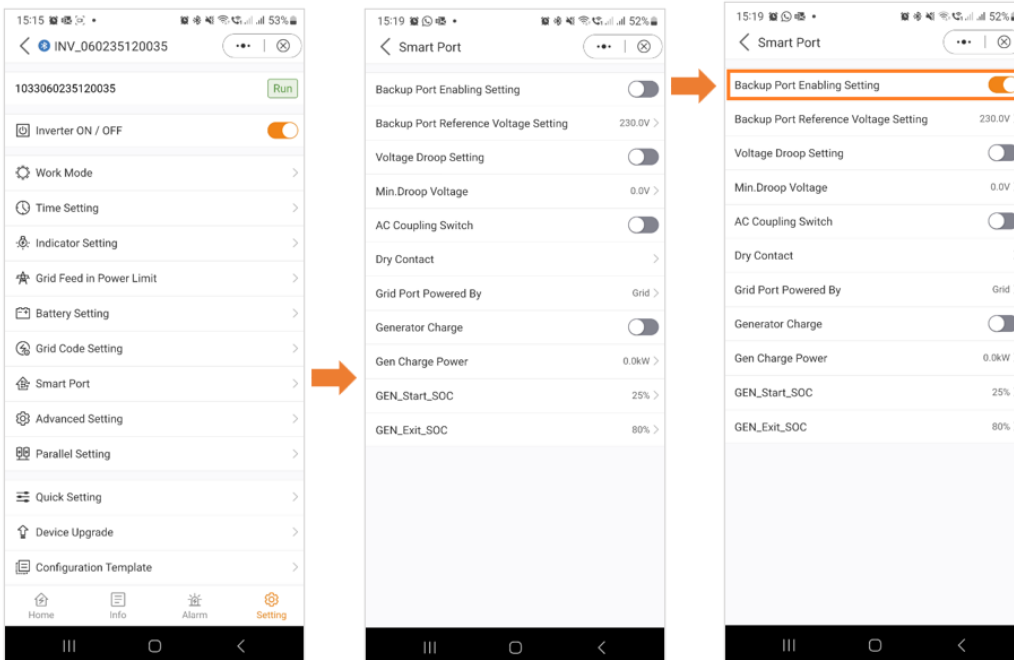
In this section, users have the option of switching the DRM (Dynamic Response Mechanism) switch on or off. With this control, users can activate or deactivate the dynamic response mechanism and thus flexibly control the inverter's response to grid conditions.



11.15 Smart Port setting

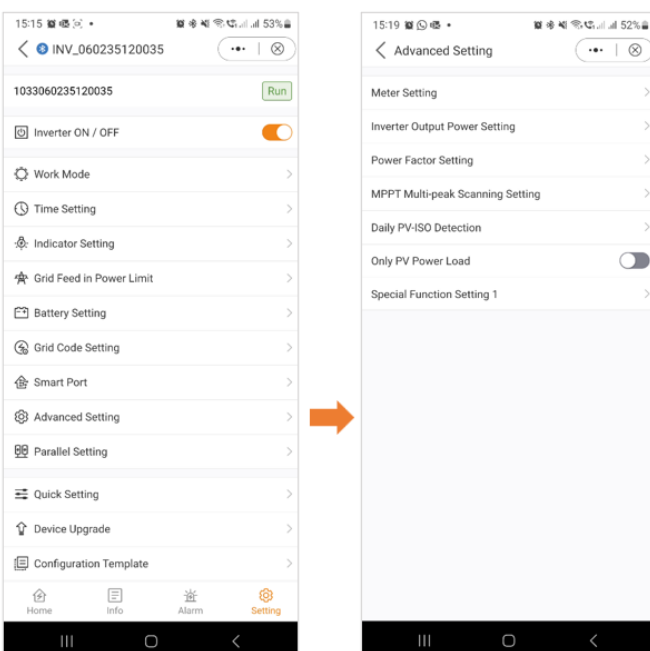
The Smart Port settings allow users to monitor the backup port and generator settings. For detailed information on the individual settings, please contact AXITEC support.

Example: Backup port - Enabling the backup port allows you to connect specific loads for backup power. It is important to note that AXITEC advises against connecting the entire house to the backup port. The backup port is only intended for the emergency power supply. You can find precise information on the maximum load that can be connected to the backup port in the data sheet for your inverter.



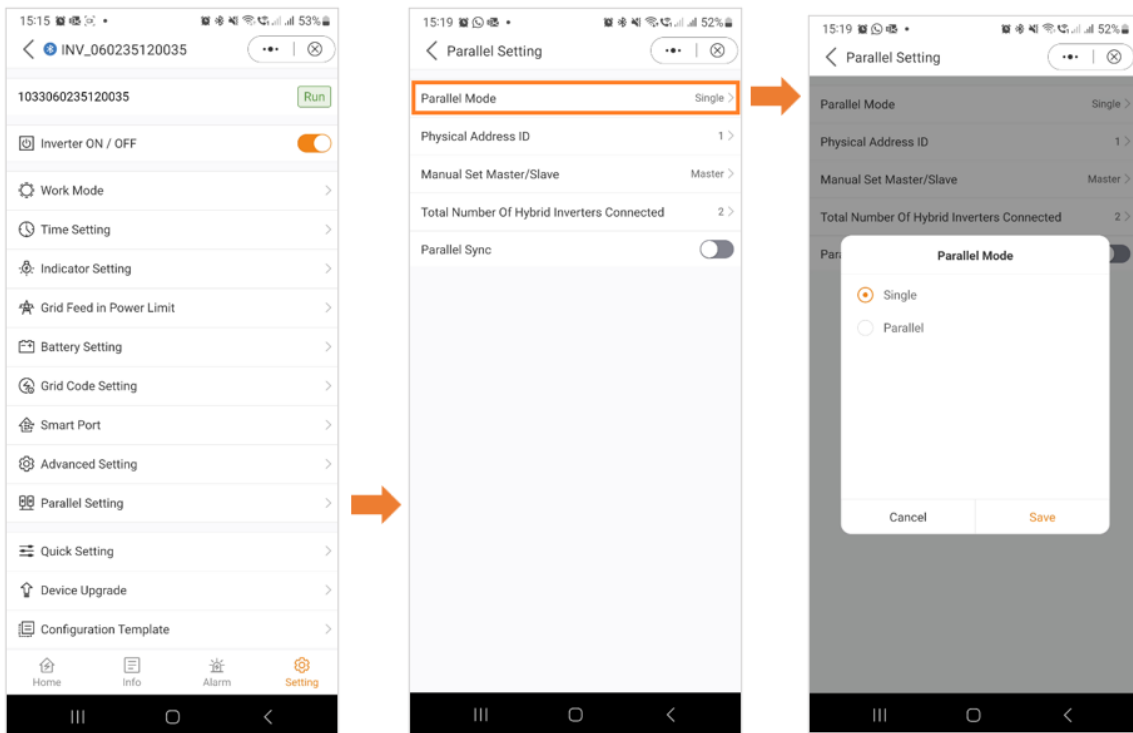
11.16 Advanced setting

Various options are available to you in the advanced settings, as shown in the image below. For more detailed information on these settings, please contact AXITEC support.



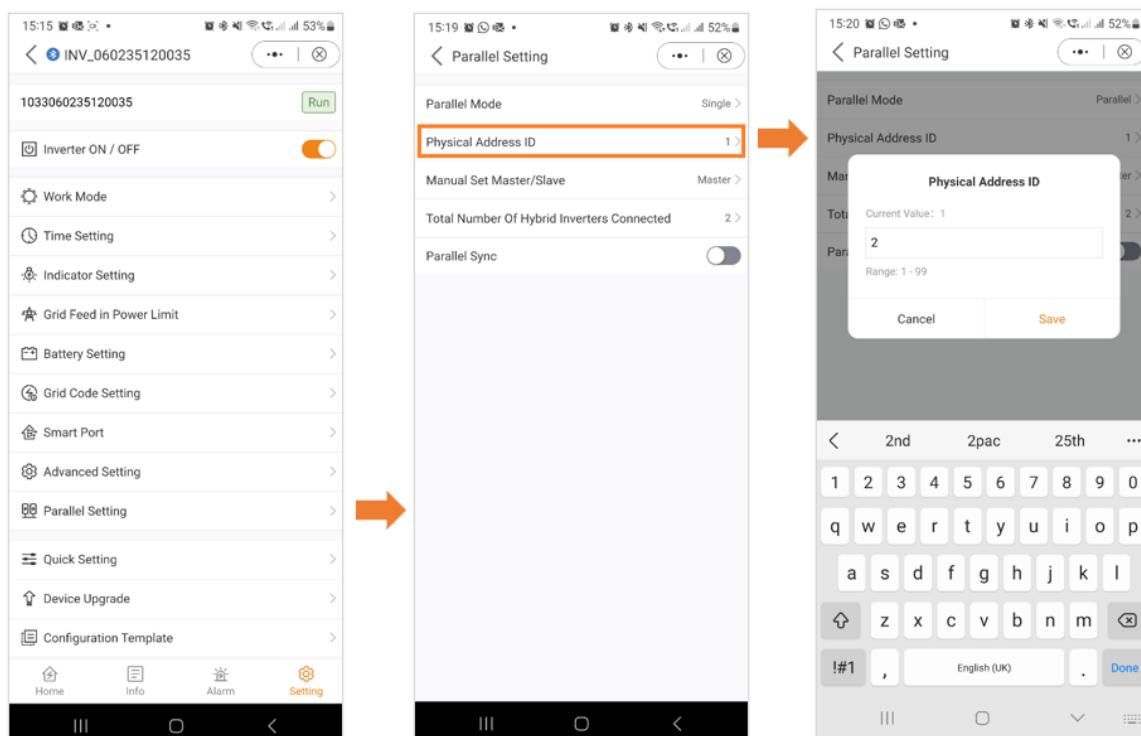
11.17 Parallel mode

Please indicate whether you have a single inverter in your setup or whether you have connected several inverters in parallel.



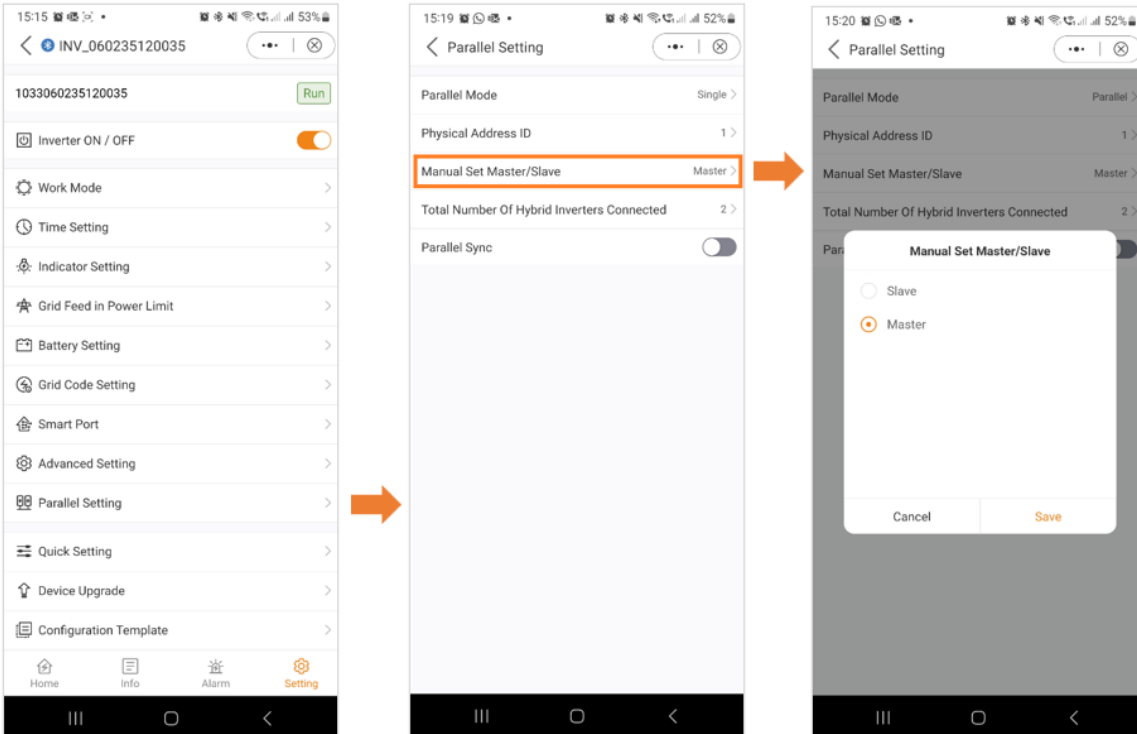
11.18 Parallel mode – physical address ID

Assign a unique address to each inverter. Set the address ID to 1 for a single inverter. If you have several inverters, assign each one its own address, starting with the master inverter at address 1. Subsequent inverters should be assigned individual numerical addresses in sequential order.



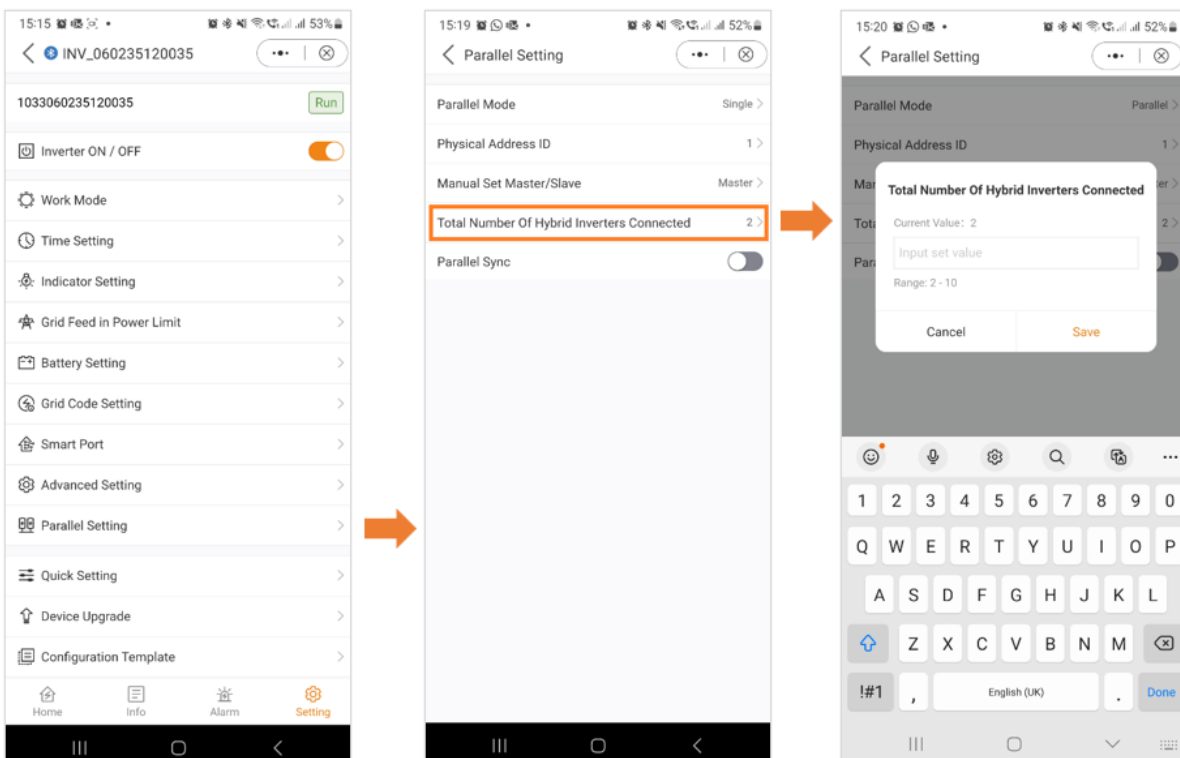
11.19 Parallel mode – Master/Slave

Specify whether the inverter functions as a master or slave. In a system with a single inverter, designate this as the “master”. In configurations with several inverters connected in parallel, assign the inverter with address 1 as the master and all other inverters should be configured as slaves.



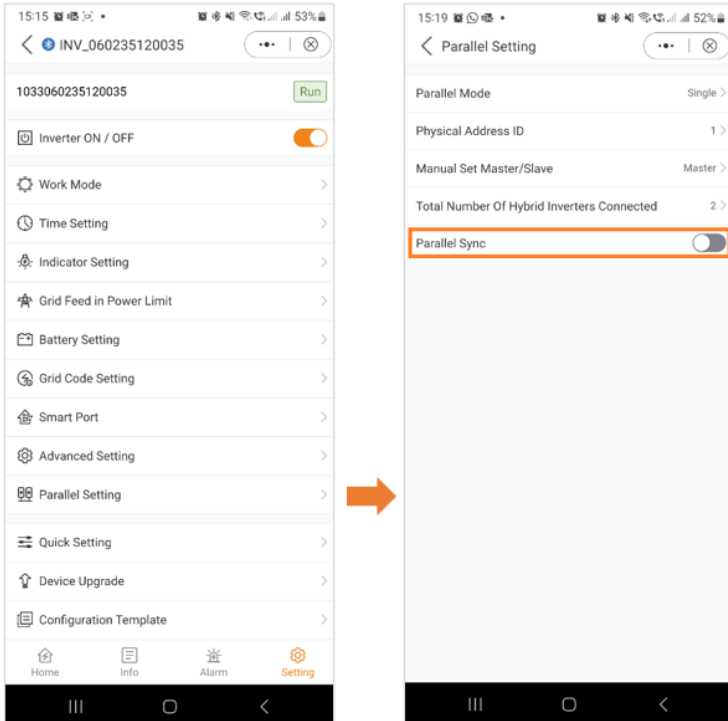
11.20 Parallel mode – total number of hybrid inverters connected

Enter the total number of inverters connected in the system.



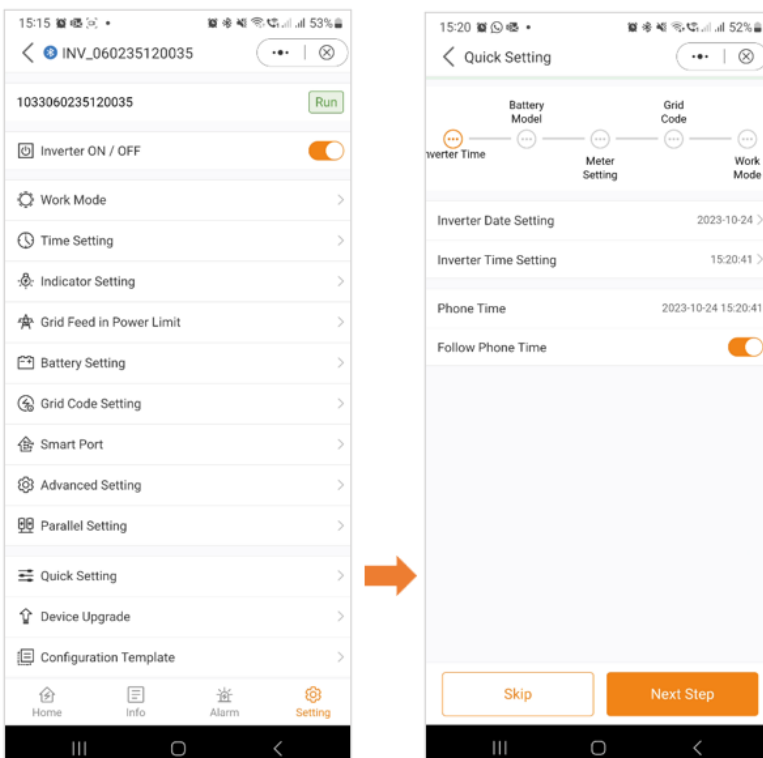
11.21 Parallel mode – Parallel Sync

When “Parallel Sync” is activated, the system ensures that the power of all connected inverters is synchronized evenly. This feature helps to maintain a balanced power distribution across multiple inverters, contributing to the overall stability and efficiency of the system. Before selecting parallel synchronization, make sure you select all your settings first and then select this last.



11.22 Quick setting

If you want to call up the quick settings again, as explained in the section above, you can do so here.

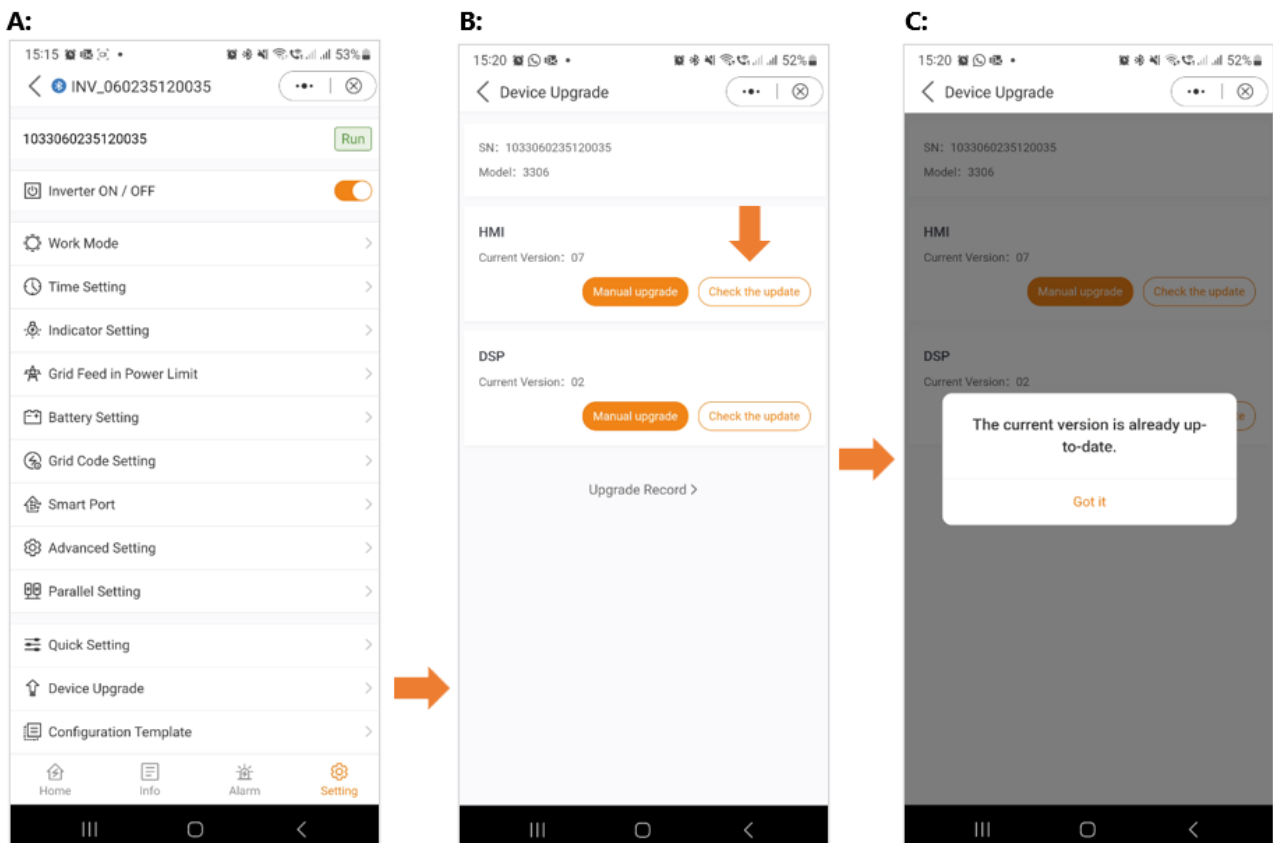


11.23 Device upgrade

A: “General settings” screen.

B: If you select “Device Upgrade”, a screen will be displayed showing the serial number of your device model and the currently installed firmware versions for HMI and DSP.

C: If you click on “Check update”, a screen will appear showing the status of the firmware. In this case, it indicates that the firmware is up to date. If an update is required for your inverter, the screen will display the latest firmware version available for installation on your device.

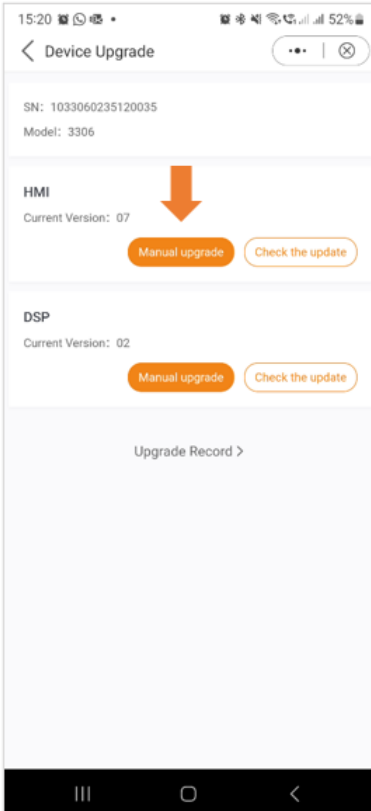


D: You also have the option of carrying out a manual update. This is necessary, for example, if there is no internet connection or the remote update has failed.

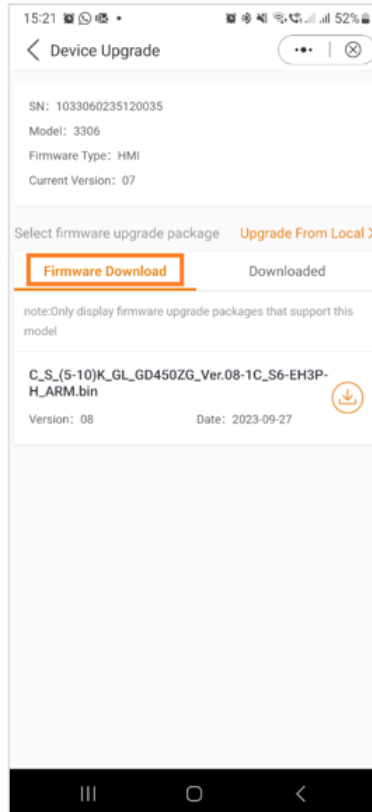
E: If you select “Manual upgrade”, a screen with the options for downloading the firmware is displayed. “Firmware Download” is available on the AXIcloud.

F: On the adjacent tab you will find the firmware “Downloaded”. The downloaded firmware is the locally stored firmware.

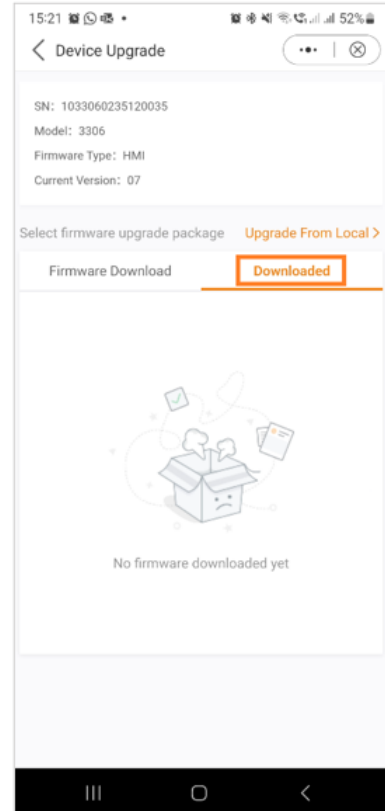
D:



E:

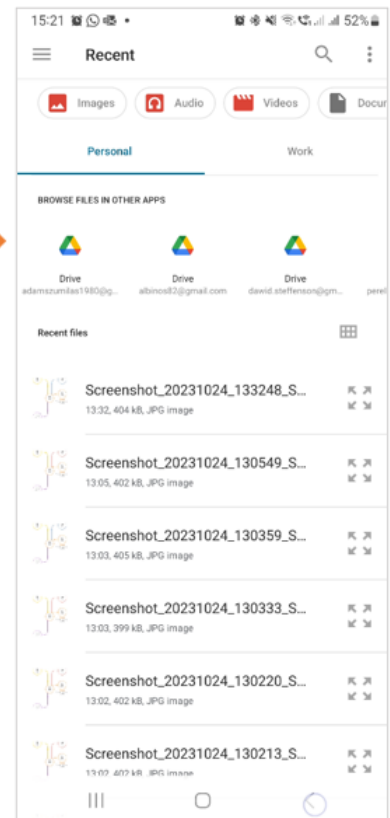
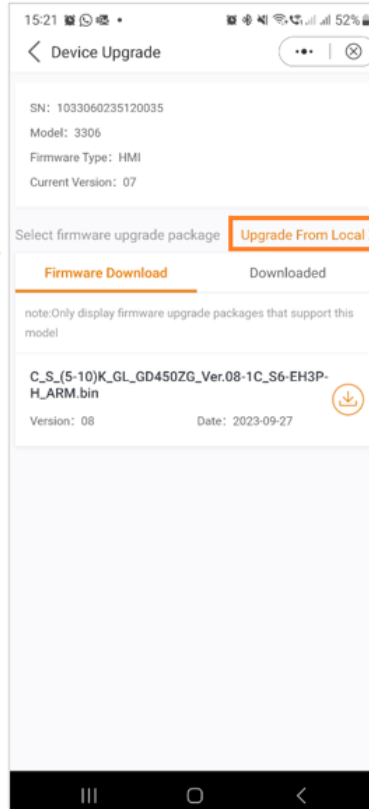
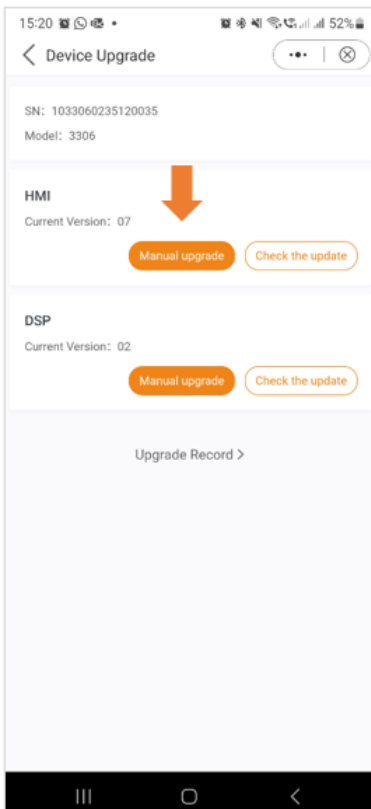


F:



11.24 Device upgrade

If required, you have the option of selecting a firmware file from your local drive. For a local firmware update file, please contact your AXITEC support.



11.25 Configuration Template

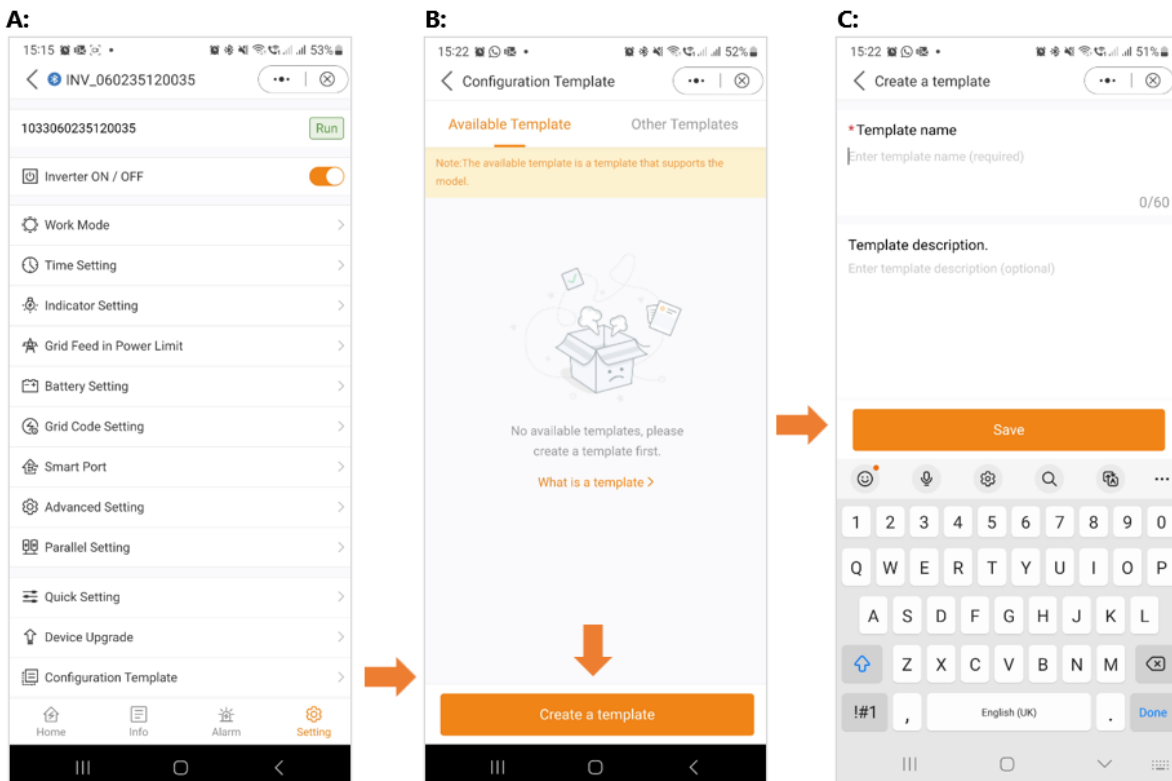
The application allows users to create templates. These templates allow users to define parameters including working mode, EPM settings, battery configurations and other preferences. Once a template is saved, it can be easily applied to other inverters at the same site.

To create a template, follow these instructions:

A: Click on “Settings”.

B: Select the “Create template” option.

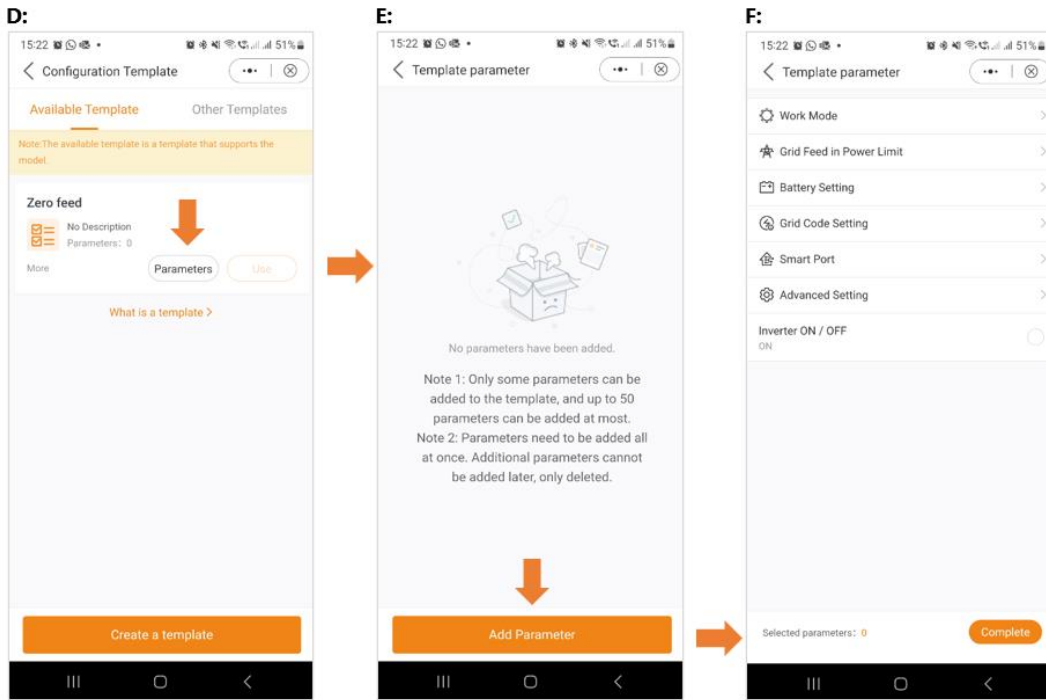
C: Select a name for your template. Click on “Save” to confirm and save your template.



D: Once you have saved the template, it will be displayed in your list of available templates. However, you still need to make all the settings parameters for your template. To do this, click on “Parameters”.

E: As no parameters have been set yet, you need to add them. Click on “Add parameters”.

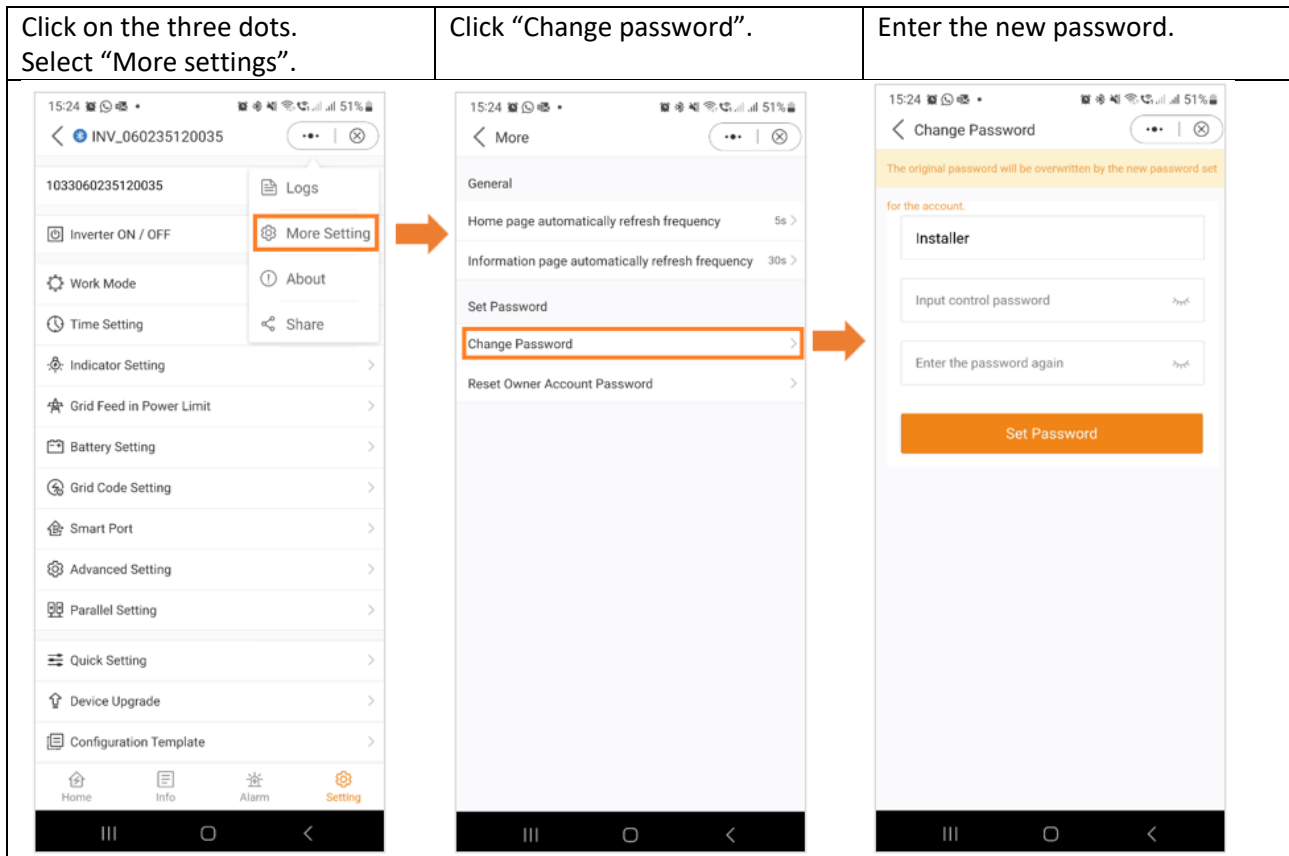
F: Set each parameter according to your requirements. When you have completed this process, click on “Finish”. Your template can now be used.



11.26 More Settings

If you click on the three dots in the top right-hand corner of the screen, various options are available to you, including the “Other settings” section. Here you can set the update frequency, set a password, change the password or reset the owner password.

This is how you change your password, for example:



12 Disclaimer

Since compliance with this user information and the conditions and methods of installation, operation, use and maintenance of the hybrid inverters cannot be controlled or monitored by AXITEC Energy GmbH & Co. KG cannot be controlled or monitored, AXITEC Energy GmbH & Co. KG accepts no liability for damage caused by improper use, incorrect installation, operation, use or maintenance.

Furthermore, liability for patent infringements or infringements of other third-party rights arising from the use of the hybrid inverters is excluded, unless liability is mandatory by law.