

# **HYXI Intelligent Cloud**

## **Version Statement**

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## **1 About the manual**

### **1.1 Manual Content**

This manual introduces the function introduction and operation process of HYXI APP, to facilitate users to operate and manage HYXI 6.0 and meet users' use requirements.

### **1.2 Overview**

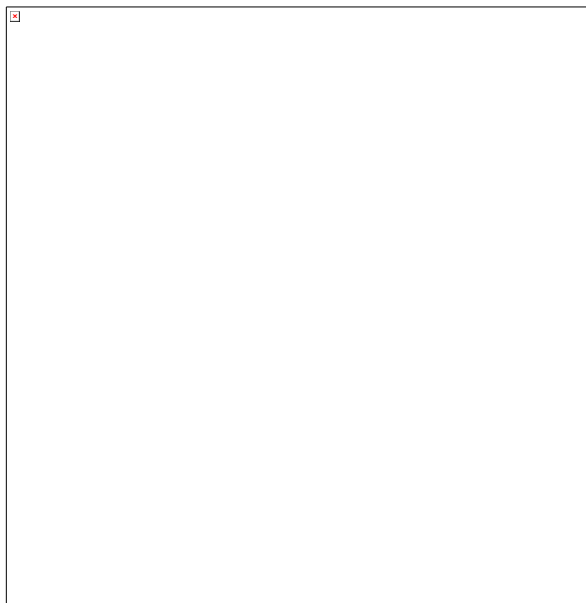
HYXI cloud platform (APP version) is a new generation of new energy intelligent cloud platform developed by HYXI Technology. The product integrates real-time monitoring, intelligent alarm, remote control, efficient operation and maintenance, remote upgrade and statistical analysis. It can monitor the running status of inverters, components and batteries in real time, automatically calculate the income according to the power generation situation, realize the rapid positioning of power station faults, and assist operation and maintenance personnel to quickly complete the fault disposal work. The system adopts the leading cloud computing platform, the data is safe and reliable, the interface is clear and intuitive, and the operation is convenient.

### **1.3 Applicable Content**

HYXI APP is suitable for users who purchase HYXI GPRS/4G, WI-FI, network cable version data collector or data manager and inverter. The plant data monitored by the data collector or data manager is uploaded to HYXI APP for viewing, and can be logged in through APP. It is used to monitor the plant for visual analysis and management of plant data.

### **1.4 Applicable Requirements**

Apple mobile phone: Apple application market, search keyword "HYXI" ; overseas Android Google application market: search keyword "HYXI" download domestic Android mobile phone: scan the QR code, use the default browser to open the download installation package.



## 1.5 For Readers

This manual is intended primarily for installer users who access and manage the HYXI APP. Users are required to have a certain level of network knowledge and be familiar with the company' s related products.

## 1.6 Manual Usage

Please read the manual carefully before using the product and keep the manual in an accessible place.

The contents of the manual will be constantly updated and corrected, but it is inevitable that there are slight discrepancies or errors with the real thing. Users should take the purchased products as the standard, and can download the latest version of the user manual through the [hyxipower.com](http://hyxipower.com) service support download center or sales channels.

## 2 Login

### 2.1 Account Registration

#### Function Introduction

How to register an account.

#### Prerequisites

Non-Chinese customers: ready to register the mailbox.

Chinese customers: ready to register the use of mobile phone number or email.


#### Operation Steps


Step 1: Click "Register Now" to enter the Select Role page;


Step 2: Click the registered organizations card to enter the registration organization page;

Step 3: Enter the registration information. Registration information includes: country/area, organization name, mobile phone or email, verification code, password.

Note: Select China, allow the use of mobile phone number and email registration, the rest of the country can only use email registration.

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## **2.2 Visitor Experience**


### **Function Introduction**


Experience APP function without account password

### **Operation Steps**

Step 1: Click "Visitor Experience" ;

Step 2: Select the site you want to view.

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## **2.3 Forgot Password**

### **Function Introduction**

How to retrieve the password when you forget the password


### **Operation Steps**


Step 1: Click "Forgot Password" to enter the Forgot Password page;


Step 2: Enter the mobile phone number or email address that needs to retrieve the password, click Send Verification Code, enter the verification code, and click Next;


Step 3: Enter a new password (the password must contain two types of numbers, letters, and special characters (except spaces), and the length is 8-20 digits);

Step 4: Password modification is successful, log in again.

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## 3 Plant

After logging into the App, you will be directed to the plant list page by default.


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Function	Description
Top Bar	The logo is on the left, and the icon for adding a plant is on the right.
Search bar	You can search by plant name or plant ID; alternatively, click the map icon to search for nearby plants.
Status Bar	Query plants according to their statuses.
Sort	Switch the sorting order of the plant information list based on conditions such as comprehensive sorting, minimum daily power generation, maximum daily power generation, minimum operating power, maximum operating power, minimum installed capacity, and maximum installed capacity.
Filter	According to the display range (associated power station, visitor power station), power station type (household photovoltaic, industrial and commercial photovoltaic, energy storage power station), equipment type (micro inverter, string inverter, energy storage inverter, household storage integrated machine, EMS energy storage system, data manager, data communication stick) to screen power stations with corresponding conditions.
List of plants	Each card displays the plant name, operating power, daily power generation, and power station address. Click on a single plant to view its detailed information. Swipe left on a single power station to select the option to delete or favorite it.

### 3.1 Add Plant

## **Function Introduction**

Describe the step-by-step process of creating a plant.

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### **Operation Steps**

Step 1: Click the Add Plant icon at the top of the plant list.


Step 2: You can view the process for creating a new plant and click Next directly.


Step 3: Fill in the plant information page, which includes: the owner' s email address or phone number, plant name, detailed address, time zone, photovoltaic installed capacity, and


energy storage installed capacity.


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Step 4: Add devices by scanning QR codes, searching for nearby devices, or entering the SN code.


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Step 5: Device networking, describe how to connect devices to the HYXI Cloud Platform


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Step 6: Device upgrade, if a new software version is detected, an upgrade will be required.

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Step 7: Device configuration, Set up the grid-connection file of the device.

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Step 8: Self-inspection, detect network connection status, ac-side cable connection, dc-side cable connection.

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Step 9: Plant setup completed.

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## **3.2 Plant Detail**

### **Function Introduction**


By monitoring the overview, views, devices and alarm information of the plant, users can keep track of the plant' s real-time operational status.

### **Operation Steps**

Step 1: Click on a plant in the plant list;

Step 2: On the newly opened monitoring page, you can switch between the overview, device, and alarm tabs to view the corresponding information respectively.

#### **3.2.1 Overview**

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### **Function Introduction**

It displays in real time the current plant' s energy flow diagram (abbreviation for energy flow schematic), daily power generation, cumulative yield, daily revenue, total revenue, and other related information.


For EMS plant, it displays the energy flow diagram, daily charging capacity, daily discharging capacity, daily efficiency, and daily revenue information.

### **Operation Steps**

Click the inverter in the energy flow diagram will redirect you to the device details page.

Click the photovoltaic panel in the energy flow diagram will pop up the PV power data.

### **3.2.2 Devices**


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**Function Introduction**

It displays all devices under the current plant; click the corresponding device will take you to the device details page.


**Filter Conditions**

There are two drop-down boxes at the top. The first one is used to filter device statuses, and the second one is used to select device types.

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### 3.2.3 Alarms

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**Function Introduction**

It displays all device alarm information under the current plant, including two categories: pending and resolved. Clicking the corresponding alarm will take you to the alarm details page.

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### **Filter Conditions**

Click the search icon to enter the search page, where you can perform a fuzzy search by alarm name, alarm code, device SN, or device name.

Click the filter icon and a filter panel will pop up below, where you can query specified alarm information based on conditions such as start and end time, device type, alarm status, and alarm level.

### **3.2.4 Layout**

Only display when micro-inverters are present.

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## **Function Introduction**

It is divided into logical layout and physical layout.


1. Logical layout: there is the hierarchical relationship of ownership, the micro inverse under the DMU association and the hierarchical relationship of the associated photovoltaic panels.
2. Physical layout: focus on the real scene layout display.
3. In the display area of the device, you can pinch and zoom with two fingers, and drag the layout up, down, left and right to view the details.
4. The component can click on the pop-up window to view the details of the micro-inverter and photovoltaic panel.
5. Filter. All is selected by default. You can search by SN or device name. Check or cancel whether to display this device on the display page.

## **4 Device**

### **4.1 Device Detail**

## **Function Introduction**

On the device list page, click a device card will take you to the device details page by default.

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## **4.2 Device Directive**

### **4.2.1 Power On**

#### **Function Introduction**

The function is used to send a power on command to the device and manually control the device to boot.


#### **Applicable Device**


String inverter, micro inverter, energy storage inverter, ess, household storage integrated machine.

#### **Operation Steps**

Step 1: Select power on the setting page;

Step 2: Select the OK button on the pop-up window page.

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## **4.2.2 Power Off**

### **Function Introduction**

The shutdown function is used to send a shutdown command to the device and manually control the device to shut down.


### **Applicable Device**


String inverter, micro inverter, energy storage inverter, ess, household storage integrated machine.

### **Operation Steps**

Step 1: Select power off on the setting page;

Step 2: Select the OK button on the pop-up window page.

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### **4.2.3 Restoring Default Settings**

#### **Function Introduction**

Restoring the default settings will restore the grid-connected standard and other parameter values to the initial values.

#### **Applicable Device**

Data manager, data communication stick, energy storage inverter, household storage integrated machine.

#### **Operation Steps**

Step 1: Select restoring default settings on the settings page;

Step 2: Select the OK button on the pop-up window page.

### **4.2.4 Export Control**

#### **Function Introduction**


The feed-grid power limit refers to the restriction of the electric power transmitted from the power generation equipment or the energy storage equipment to the grid in the power system. Such limits are usually set by the grid operator or the power system authority in order to ensure the stable operation and safety of the grid.


#### **Applicable Device**

Data manager, data communication stick (communication stick of string inverter), energy storage inverter, household storage integrated machine.

#### **Operation Steps**


Step 1: In the device settings page click on the export control, enter the export control page whether to open the feed-in power limit switch to choose to close, click the upper corner to confirm the button submitted successfully, then the system has no limit on the power fed into the grid;

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Step 2: Whether to turn on the power limit switch of the feed network, select to turn on, and input the limited maximum power. If the upper corner confirmation button is clicked to

submit successfully, the system will limit the power fed into the grid.

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## **4.2.5 Three-phase Unbalance**

### **Function Introduction**

A function that controls or adjusts load balancing after the three-phase/split-phase unbalance enable set switch is turned on.

### **Applicable Device**


Energy storage inverter, household storage integrated machine.

### **Operation Steps**

Step 1: Click the three-phase phase unbalance enable setting on the device setting page;

Step 2: Enter the three-phase unbalance enable setting phase unbalance enable page

whether to turn on the unbalance enable setting switch to select on or off.

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## **4.2.6 Charge from Grid Power Upper Limit**

### **Function Introduction**


When power limit is selected on, the grid power limit and battery charge power limit are set.


### **Applicable Device**

Energy storage inverter, household storage integrated machine.

### **Operation Steps**

Step 1: Click on the charge from grid power upper limit on the device settings page, enter the maximum purchase power to enter whether the power limit selection is on, enter the corresponding parameters in the grid power limit and AC input energy, and click the OK button to submit.

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## **4.2.7 Phase sequence and CT loop detection**

### **Function Introduction**

After starting phase sequence and CT loop detection, the system will detect the phase sequence of the inverter, the current direction of the CT loop, and the phase sequence of the meter. If there is any abnormality, the system will automatically correct it.


### **Applicable Device**


Energy storage inverter.

### **Operation Steps**

Step 1: On the device settings page, click Phase Sequence and CT Ring Detection;

Step 2: Click the bottom detection button on the phase sequence and CT ring detection page, and select the OK button in the pop-up window to start detection.

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## **4.2.8 Thrid Party Photovoltaic Setting**

### **Function Introduction**

Send an instruction to the device to verify whether a third-party photovoltaic system is installed.


### **Applicable Device**


Energy storage inverter.

### **Operation Steps**

Step 1: On the device settings page, clickThrid Party Photovoltaic Setting;

Step 2: Toggle the switch on or off and click Save to send the command.

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## **4.2.9 Battery Type Setting**

### **Function Introduction**

The battery type setting can be selected without battery or lithium battery. When the battery-free mode is selected, the household storage inverter will be allowed to work without battery, just like the string inverter. When the device is actually connected to the battery, the setting of no battery mode is invalid.


### **Applicable Device**


Energy storage inverter.

### **Operation Steps**

Step 1: Select the battery type settings in the device settings page;

Step 2: Select no battery or lithium battery on the battery type setting page, and click the save button to submit.

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#### **4.2.10 Heat pump control**

##### **Function Introduction**


The heat pump control is controlled by whether the heat pump control enable switch is enabled. In the case of opening, the user can select manual mode, timing mode or intelligent mode.

##### **Applicable Device**

Energy storage inverter, household storage integrated machine.


## **Operation Steps**

Step 1: Select heat pump control on the device settings page;

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Step 2: In the heat pump control page, enable the heat pump control. Select the manual mode. Please manually select the heat pump control mode to select on or off. Click to


confirm submission.

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Step 3: In the heat pump control page, enable the heat pump control, select the timing mode, customize the weekly cycle time, and click to confirm the submission;

Step 4: on the heat pump control page, select whether the heat pump control enable is enabled, select the smart mode, and click to confirm submission after setting the intelligent

mode parameters.

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## **4.2.11 Network Configuration**

### **Function Introduction**


Perform network configuration for connecting communication devices to the cloud.

### **Applicable Device**


DMU, DCS

## **Operation Steps**


Step 1: Select network configuration on the device settings page;

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Step 2: Connecting;

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Step 3: Enter the Wi-Fi name and password;

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Step 4: Devices Network configured successfully.


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## 5 Statistics


### Function Introduction

On the Statistics page, you can view the statistical data of all plant under the current account.

Serial Number	Function	Description
1	Switch View	You can select the current photovoltaic overview and energy storage overview through the top switch button.
2	Plant Overview Data	Statistical data of power generation, operating power and installed capacity of all plants.
3	Alarm data	Normal rate and total number of alarms for all plants.
4	Plants Ranking	Check the plant ranking data of all plants for equivalent power generation in the past seven days through the plant ranking.
5	Revenue Data	Cumulative revenue data for all plants.
6	Energy Statistics	The presidential meter curve of all plants can switch the date, week, month, year, total data.
7	social contribution	Through the bottom social contribution, view the saving of standard coal, carbon dioxide emission reduction, equivalent green plants.

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## 6 Services

Serial Number	Function	Description
1	Alarm Message	Describes how to view and manage device alarms
2	Device Commissioning	Get updated grid standard code and equipment upgrade package files, then perform near-end debugging
3	Smart Layout	Intelligent layout of devices and display in the corresponding physical view
4	User Manual	View detailed documentation for each device type
5	Feedback	This paper introduces how to feedback the problems and suggestions in the use process
6	Contact Us	You can contact HYXI by phone or email


### 6.1 Alarm Message


#### Function Introduction

Can view and manage device alarms through alarm information


#### Operation Steps

Step 1: Click Alarm Message to enter the alarm interface, and the unprocessed and processed alarms can be switched through the upper switch button;


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Step 2: Click the unprocessed alarm data to enter the alarm details page to view the basic information of the alarm;

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Step 3: Click the search button in the upper right corner to enter the search page, where you can search or filter alarms based on keywords.

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## **6.2 Device Commissioning**

Specific operation and display reference [8 Device Commissioning](#)


## **6.3 Smart Layout**


### **Function Introduction**

Devices can be laid out through smart layout.


### **Operation Steps**

Step 1: Click Smart Layout to enter the Smart Layout interface;


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Step 2: Click Create Canvas, fill in the layout name and select the plant to be bound. If the plant has not been created yet, you can choose not to bind the plant. Finally, click the Confirm button to complete the creation of the layout;

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Step 3: Enter the canvas interface, click the square on the canvas, click the binding device button to bind the device;


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## **6.4 User Manual**

### **Function Introduction**

Click the user manual to enter the user manual interface and view the corresponding device description according to the device type.


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## 6.5 Feed Back

## **Function Introduction**

Click Feedback to enter the feedback interface and fill in the following information.


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## **6.6 Contact Us**


### **Function Introduction**

Click Contact Us to enter the contact service interface and select the corresponding service provider according to the region.

General settings: user can modify dark mode, temperature unit & currency unit.

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## **7 Me**

### **7.1 Account Info**

#### **Function Introduction**

Click the account to enter the account information interface and view the relevant information of the account.


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## **7.2 Organization Info**

### **Function Introduction**

Click Organization Info to enter the organization information page. Here you can view and edit (only the organization administrator can edit) the organization-related details, including the organization' s Name, ID (which can be provided to other organizations for affiliation applications), and Avatar.


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## **7.3 Message Center**

### **Function Introduction**

Click Message Center, enter the message center interface, you can see the relevant message push.

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## **7.4 Application Sharing**

### **Function Introduction**

Click Application Sharing to enter the application sharing interface and share the app with others.

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## **7.5 AI Agent**

### **Function Introduction**


How to enable and use the AI Agent


### **Operation Steps**


Step 1: Click AI Agent to open the settings page;

Step 2: Enable the switch, then click the small icon to enter the ai page;

Step 3: You can ask questions related to inverters.

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## **7.6 Settings**

### **Function Introduction**

You can switch languages, configure notification settings and general settings, clear the cache, view the privacy policy, and log out of your account.

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## 8 Device Commissioning


### Function Introduction

The mobile phone establishes a communication connection with the device to enable local operation of the device.

**Not Login Portal:** Login Page-Device Commissioning

**Login portal:** Service-Device Commissioning

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## **8.1 Connection Device**

### **Function Introduction**


Connect the device by scanning the device' s QR code.

## **Operation Steps**


Step 1: Scan the SN QR code of the communication device;

 The picture can't be displayed.

Step 2: Allow to join the device network (different brands of mobile phones show differences, subject to the actual);

 The picture can't be displayed.

Step 3: Enter password (the initial password is hyxi0831; you are required to change it upon first login).

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## **8.2 Quick Settings**


### **Function Introduction**

The inverter starts quickly, and the device will automatically enter the quick setting for the first time.


### **Operation Steps**

Step 1: Add the Sub-1g version of the micro inverse network (non-DMU can ignore this


step);

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Step 2: Select the area where the device is located and the grid standard code;

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Step 3: Set the maximum feed network power (need to install the grid side meter first);

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Step 4: Network configuration, according to the device type, is divided into Wi-Fi configuration, 4G configuration and wired configuration.

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Step 5: Check the completion of the quick settings.


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## **8.3 Communication Details**

### **Function Introduction**

View the basic information of communication devices. The display includes SN, model, hardware version, software version, etc. (please refer to the display of the actual connected

device).


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## **8.4 Communication Settings**

### **Function Introduction**

Including the upgrade of communication equipment and the operation of issuing


instructions.

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## 8.5 Device Monitor

## **Function Introduction**

View the basic information and real-time data of the inverter.


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## **8.6 Device Settings**

### **Function Introduction**

Deliver operational commands to the inverter, including firmware upgrade, startup,

shutdown, reboot, and historical data clearing.

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