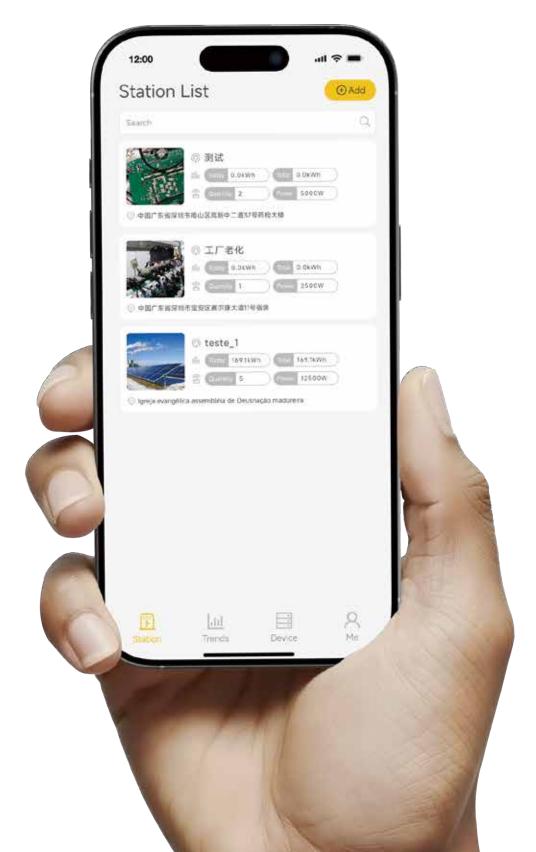# Ares Cloud
User Manual

_ for V3.0.15

Ares Cloud

Ares Cloud is a cloud-based intelligent power station management application under Areswatt New Energy Inc. To facilitate users in achieving remote online management of power stations, Ares Cloud was developed based on advanced application development capabilities and hardware network integration capabilities. Users can directly implement power station remote monitoring, management, and data statistical analysis functions on mobile devices.

Contents

Welcome to Ares Cloud

Welcome to Ares Cloud

Thank you for choosing the Ares Cloud intelligent photovoltaic management system.

This guide will help you quickly get started with the application, easily manage your photovoltaic power stations,

and achieve intelligent and efficient energy management.

1. Getting Started

1.1 Application Download

The Ares Cloud App is now available on the Google Play Store and Apple App Store. Users can enter the corresponding app store based on their phone system to download.

If the Ares Cloud application is temporarily unavailable in your app store, please visit www.areswatt.com and go to the 【App Download】 section

 to obtain the application installation package download link.

You can also contact your dedicated technical advisor to get the app download link.

1.2 System Requirements

Ares Cloud App is compatible with Android 7.0 and above phone systems. For the best user experience, We recommend using Android 9.0 or higher versions.

1.3 Permission Settings

To ensure Ares Cloud runs properly, the following permissions need to be enabled when using it for the first time:

- Wi-Fi: Used for device networking and data transmission
- Bluetooth: Used for device search and pairing
- GPS: Used for automatic power station address positioning

1.3.1 Permission Setting Steps：

1. Open phone "Settings"
2. Find "App Management" or "Apps & Permissions"
3. Find and click "Ares Cloud"
4. Enter "Permission Management" and ensure Wi-Fi, Bluetooth, and location permissions are enabled

When you first open the app after installation, the system will automatically pop up permission request dialogs.

Please click "Always Allow" or "Allow While Using" to ensure the app runs normally.

2. Account Management

2.1 Register New Account

First-time use of Ares Cloud requires registering an account:

1. Click the "Register" button on the login interface
2. Enter a valid email address
3. Set a password (please use a password with 8+ characters including uppercase letters, lowercase letters, and numbers)
4. Re-enter password for confirmation
5. Click the "Send" button to get the verification code
6. Check your email to get the verification code
7. Enter the received verification code in the app
8. Click the "Register" button to complete account creation

❗Note:

- The same email can only be registered once
- The verification code is valid for 5 minutes. Please enter promptly
- If you don't receive the verification code, please check your spam folder or click "Resend."

● Tip: Click the language option in the upper right corner to switch languages

2.2 Account Login

After successful registration, you can log in to your account using the following steps:
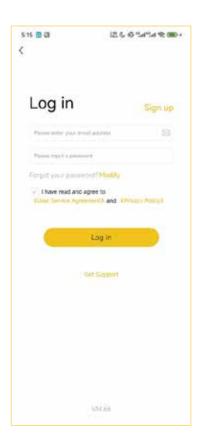
1. Open the Ares Cloud app
2. Enter your email address on the login interface
3. Enter your password
4. Click the "Login" button

●Tip: Check the "Remember Password" option to automatically fill in the password when opening the app next time

If you encounter other problems during login and cannot log in, please click "Technical Support" at the bottom of the page to contact us for support.

2.3 Password Recovery and Modification

If you forget your password, you can reset it through the following steps:

1. Click "Forgot Password" on the login interface
2. Enter the email address you used for registration
3. Set a new password
4. Re-enter the new password for confirmation
5. Click the "Send" button to get the verification code
6. Enter the received verification code in the app
7. Click the "Forgot Password" button to complete password modification

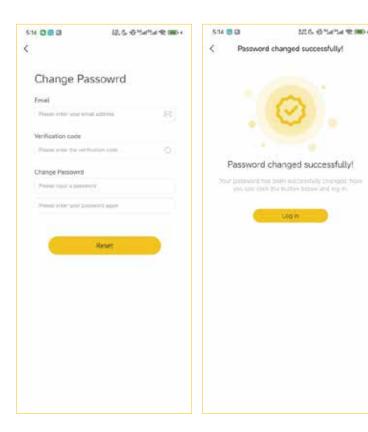## 3. Power Station Management

3.1 Station List

After successful login, the app homepage will display the power station list interface and prompt you to add a power station.

3.2 Add New Station

Adding your photovoltaic power station requires just a few simple steps:

1. Click the add button in the upper right corner of the power station list interface
2. Enter the power station name (e.g., Home Rooftop PV, Factory PV System, etc.)
3. The system will automatically read your current location as the power station address, or you can manually adjust it
4. Click the image upload area to select a power station photo
5. Click the "Save" button to complete creation

● Tip: It's recommended to use easily identifiable names for power stations to facilitate subsequent management,

especially when you have multiple power stations.

3.3 View Created Station Information

The app homepage displays a list of stations you have already created.

The brief information displayed in the station list includes:

- Station name

- Station address
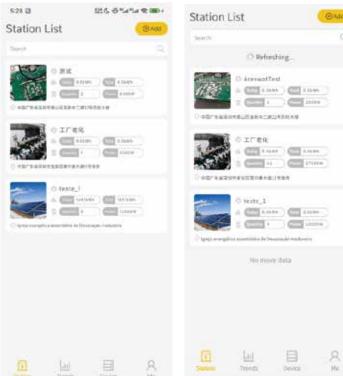
- Station information
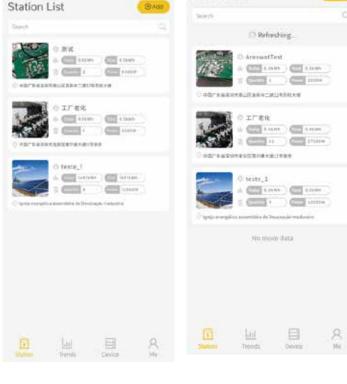
- Station image

3.4 Search and Refresh

- Use the top search box to enter power station names for a quick search of specific power stations

- Pull down the screen to refresh the station data and get the latest status

3.5 Edit Station Information

3.5.1 Modify Station：

1. Click on the power station, enter the power station details page, and click the button in the upper right

   corner to jump to the station's basic information editing page

2. Modify the information that needs to be updated (name, photo)

3. Click the "Save" button to apply changes

3.5.2 Delete Station：
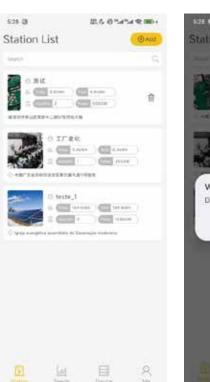
If you need to delete a station that is no longer in use:

1. On the power station list page, swipe left on the power station you want to delete

2. The system will pop up a confirmation dialog

3. Click the "Confirm" button to execute the deletion operation

❗Warning: Deleting a power station will simultaneously delete all devices and historical data associated with

that power station, and cannot be recovered. Please operate with caution!

3.6 Station Details

3.6.1 Station Details Page

The power station details interface mainly displays various key information of the current power station, including:

a. Daily Power Generation: Total power generation of the current power station today

b. Station Temperature: Real-time temperature at the power station location

c. Station Power Chart: Real-time display of daily power generation trend

d. Cumulative Power: Cumulative power generation of the current power station

e. Device Power: Total power of micro-inverter devices bound under the current power station

f. Device Quantity: Number of micro-inverter devices bound under the current power station

g. Add Device: Add new micro-inverter devices

h. Carbon Reduction: Cumulative carbon emission reduction of the current power station

i. Revenue: Automatic calculation of grid electricity revenue based on the cumulative power generation of the current power station
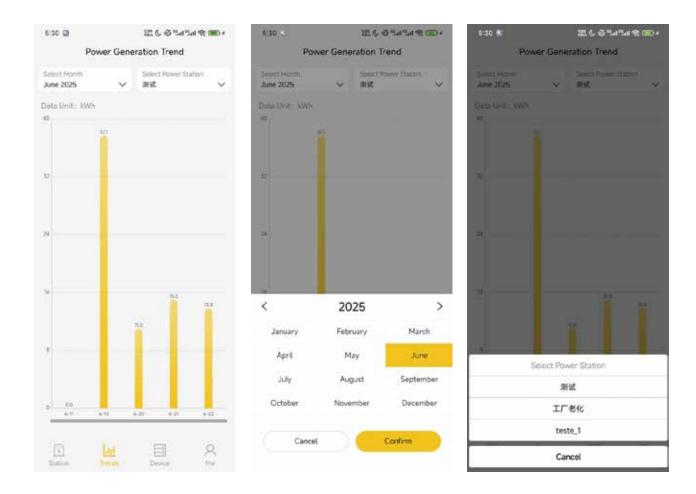
4. Trends

4.1 Power Generation Statistics

The power generation trends interface mainly displays historical power generation data of power stations, with data statistics organized by month, covering cumulative monthly power generation under each power station.

1. Select Month: Click to select the month to choose historical monthly power generation data

2. Select Power Station: Click to select the power station to view the corresponding power station's historical monthly power generation data

The default interface displays historical monthly power generation data of the first power station in the power station list.
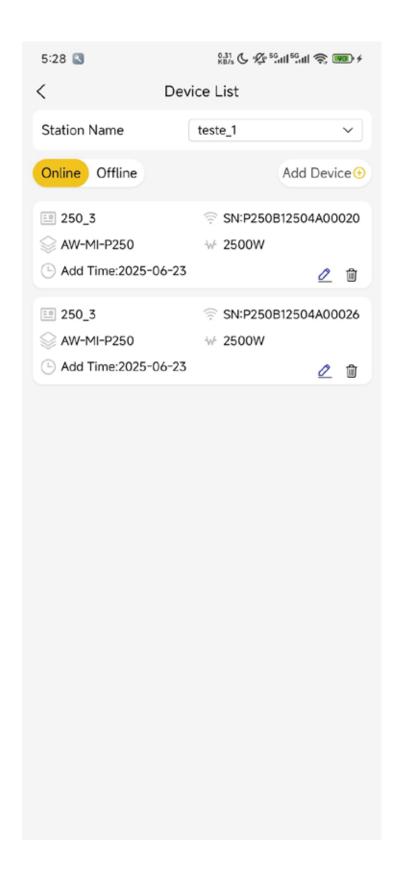
5. Device List

5.1 Introduction

In the device list page, you can view all associated devices:

1. View all bound device lists under the specified power station

2. Click "Online" or "Offline" tags to filter devices in different states

3. Pull down to refresh to get the latest device status

4. Click on the corresponding device row to enter the device details interface and view more device data information

5. Click the blue edit icon button to reconfigure the device's network

6. Click the delete icon to delete the corresponding device

5.2 Add Device

Add new photovoltaic devices (micro-inverters) to your power station:

1. Click the "Add Device +" button in the upper right corner of the device list page

2. The system will automatically search for available Bluetooth devices nearby

3. Select the device you need to add from the list

4. Enter the device network configuration page

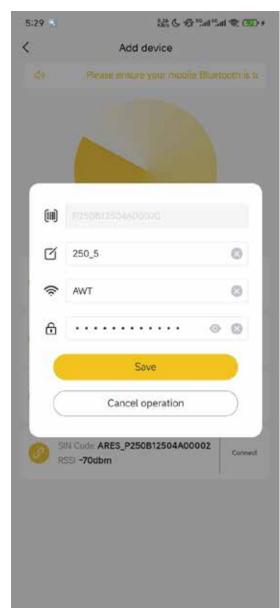5. Enter Wi-Fi name and password (click the button next to the Wi-Fi name to automatically

   fill in the currently connected network)

6. Enter the device SN code (can be automatically filled by scanning the device QR code)

7. Click the "Start Network Configuration" button to complete device addition

● **Notes:**

- Ensure the device is powered on and in a searchable state

- One device can only be bound to one power station; if rebinding is needed, please delete it from the original power station first

- During network configuration, ensure the distance between the phone and the device does not exceed 10 meters

- Wi-Fi password is case-sensitive, please enter it accurately

5.3 Device Details

Click on the corresponding device in the device list to jump to the device details page,

which mainly displays the detailed operating status of the device.

5.3.1 Device Status

The device status area displays the device's online status:

- ● Online: Device is running

- ● Offline: Device is shut down or malfunctioning

The device image area displays the appearance of the currently bound device, with the icon indicating the custom device name.

5.3.2 Device Information

Device Model: Factory model of the device

Add Date: Device addition time

Current MCU Version: Indicates the current MCU version number of the device; the right icon can be copied.

Micro-inverter SN: Device SN code, the right icon can be copied

5.3.3 Device Data
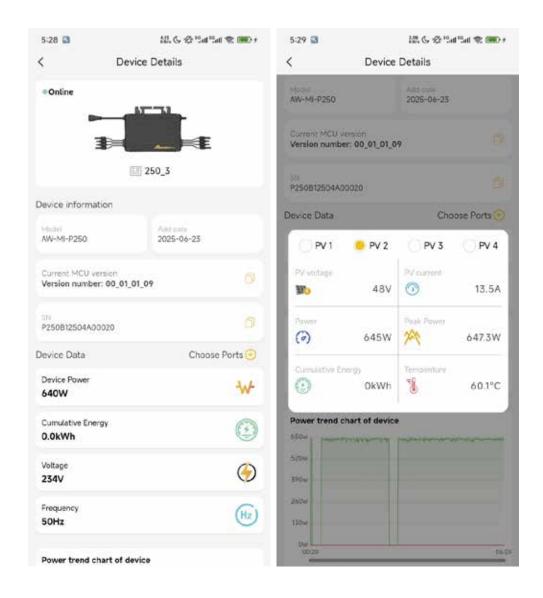
Device Power: Current device power generation

Cumulative Energy: Current device cumulative power generation

Voltage: Current device voltage value

Frequency: Current device frequency

Select the "Select Channel +" option on the right to view detailed data of the corresponding photovoltaic ports of the current micro-inverter device.

Note: Channel data displays corresponding data for each photovoltaic port of the device.

5.3.4 Device Charts

Device Power Trend Chart: Shows power generation trends for each photovoltaic port of the device, with daily statistics

Device Power Generation Trend Chart: Shows power generation trends for each photovoltaic port of the device, with daily statistics

● Important Note:

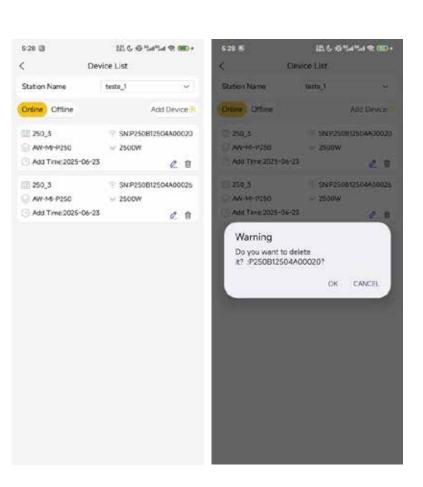Detailed device data is only retained for the current day (until 23:59).

The next day will only total power generation data will be retained; other detailed data will be cleared. Please view or export important data in time.

5.4 Device Deletion

Remove devices no longer in use:

1. Find the device you need to delete in the device list interface

2. Click the delete button icon to delete the device

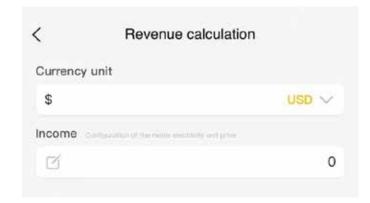3. Click "Confirm" in the pop-up confirmation dialog to complete the deletion

6. Me

6.1 Introduction

Support: Click Support to jump to the Contact Us page. Users can provide feedback through this page if they have related questions while using the App

Language: Ares Cloud supports a multi-language interface, set according to your usage habits

Configuration: Revenue calculator, manually set currency units, and grid electricity unit price for automatic revenue calculation based on power generation

About: Introduction to Ares Cloud and Areswatt New Energy Inc.

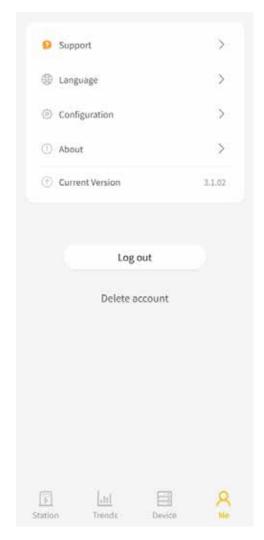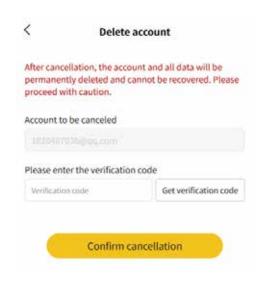Version: Current App version number

6.2 Account Remove

Click Account Remove to enter the account cancellation page.

Users need to provide the corresponding account email and complete the removal through verification code authentication.

After removal is completed, it will automatically return to the App's default login/registration page.

Note: After the account is removed, the account and all data will be permanently deleted and cannot be recovered. Please operate with caution.

Q&A

Q: **Why doesn't my device appear in Bluetooth search?**

A: Please check:

- Whether the device is powered on

- Whether the device is within Bluetooth search range (usually within 10 meters)

- Whether the phone's Bluetooth function is enabled

- Try restarting the device and searching again

Q: **What should I do if I encounter "Connection Timeout" during network configuration?**

A: Please check and operate:

- Ensure the entered Wi-Fi password is correct

- Ensure Wi-Fi signal strength is good

- Try moving the phone closer to the device and configure the network again

- Restart both the device and the phone, then retry

Q: **Can I recover a power station after deleting it?**

A: No. Deleting a power station will permanently delete the power station and all its associated data, which cannot be recovered. It's recommended to export important data before deletion.

Q: **Why can't I see historical detailed data?**

A: The system only retains detailed data for the current day; the next day only retains total power generation. For long-term analysis, it's recommended to regularly export data or use the reporting function.

Q: **Can one device be added to multiple power stations?**

A: No. Each device can only be bound to one power station. If rebinding is needed, please delete the device from the original power station first.

Contact and Support

If you encounter any problems during use or have any suggestions and feedback, please feel free to contact us through the following methods:

Technical Support Email: info@areswatt.com

Official Website: www.areswatt.com

Our technical support team will respond to your questions within 24 hours on business days.