



EMA APP User Manual (PV Version)

V8.8.1

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Introduction

EMA APP is designed for APsystems microinverters system owners and DIY users. It allows users to track real-time performance of the photovoltaic system, see the system output by day, month, year, calculate energy savings and environmental benefits. It also allows system commission and configuration.

1. APP Download

- Method 1: Search "EMA APP" in "APP Store" or "Google Play"
- Method 2: Scan the QR code to download.



Note

- ◆ iOS 10.0 and onwards
- ◆ Android 7.0 and onwards

2.System Configuration

2.1 Register Account

If you don't have an EMA account yet, you can register through the EMA APP.

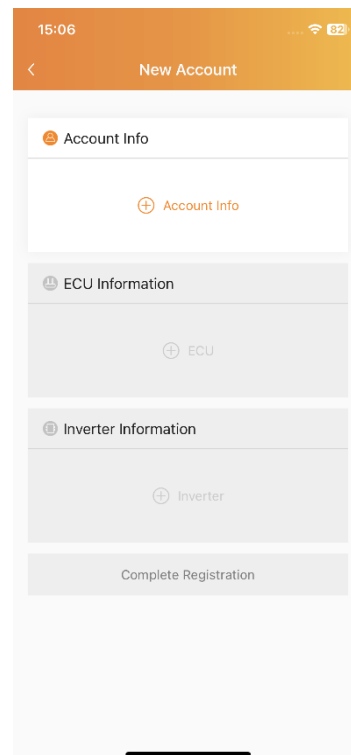
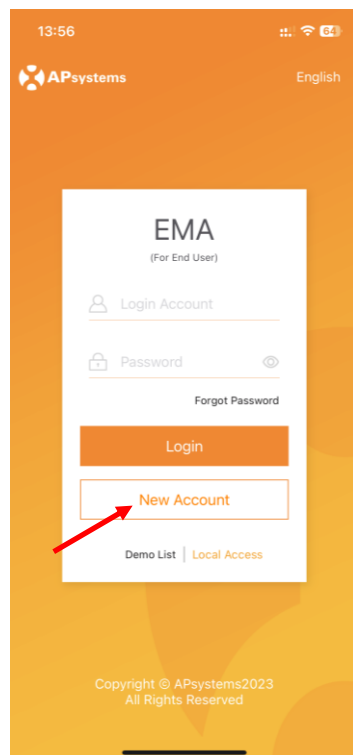
- Click "Register" to enter the registration navigation page.

"Register" is divided into the following three steps:

Step1: Account Information (Required)

Step2: ECU Information (Required)

Step3: Inverter Information (Required)



2.System Configuration

2.1.1 Account Information

- Click "Account Info",
- Enter the necessary information according to the prompts on the page and tick the relevant agreements,
- Click "OK" to complete.

The image displays two screenshots of the 'Account Info' app interface. The left screenshot shows the 'Account Info' section with the following fields and values: Login Account (Ywu762), Password (masked with dots), Name (Ueyi), Country / Region (United States), State / Province (Others), City (Jiaxing), Module Maximum Power(Pmax) (W) (258), and Contact Email (137829@qq.com). All fields have green checkmarks indicating successful input. The right screenshot shows the 'Installer Information' section with a 'Company Code' field and a declaration section. The declaration section has two checked boxes: 'I declare that I read through and agree with the Terms of Service and Privacy Policy' and 'I declare that I am an adult above 18 years old.' There is also an unchecked box for 'Allow APsystems to Send New Productions, Services, Meetings and Marketing News'. An 'OK' button is at the bottom.

Note

You can enter the **company code** to make the link to your installer/retailer. This field is optional.

Installer/retailer can login EMA Manager or EMA web portal, and get the company code in the "Setting" page.

2. System Configuration

2.1.2 ECU Information

- Click "ECU",
- Enter the corresponding ECU information according to the page prompts (the ECU entry method is divided into "scan code entry" and "manual entry"),
- Click "OK" to complete.

11:29

< Add ECU

ECU Info ^

Collect the ECU of PV system. ECU ID is a 12-digit number located on the top of ECU, as well as on the front flap of the shipping box.

☒ ECU for micro-inverter
☐ ECU for APstorage

ECU ID *
12-digit number located on the top of ECU, or on the front flap of the shipping box.
207123456789

ECU Name
Custom ECU name

OK



2. System Configuration

2.1.3 Inverter Information

- Click "Inverter" to enter,
- Enter the corresponding inverter information according to the page prompts (the entry method of the inverter is divided into "scan code entry" and "manual entry"),
- Click "OK" to complete.

12:45

< Add UID

INVERTER INFO ^

Collect the Inverter of PV system. UID is a 12-digit number located on the top of inverter, as well as on the front flap of the shipping box.

ECU ID *

207123456789

Add method *

Add inverter id through inputting the 12-digits number manually.

Input

UID *

12-digit number located on the top of inverter, or on the front flap of the shipping box.

703023523123

OK

16:39

< 216200048042

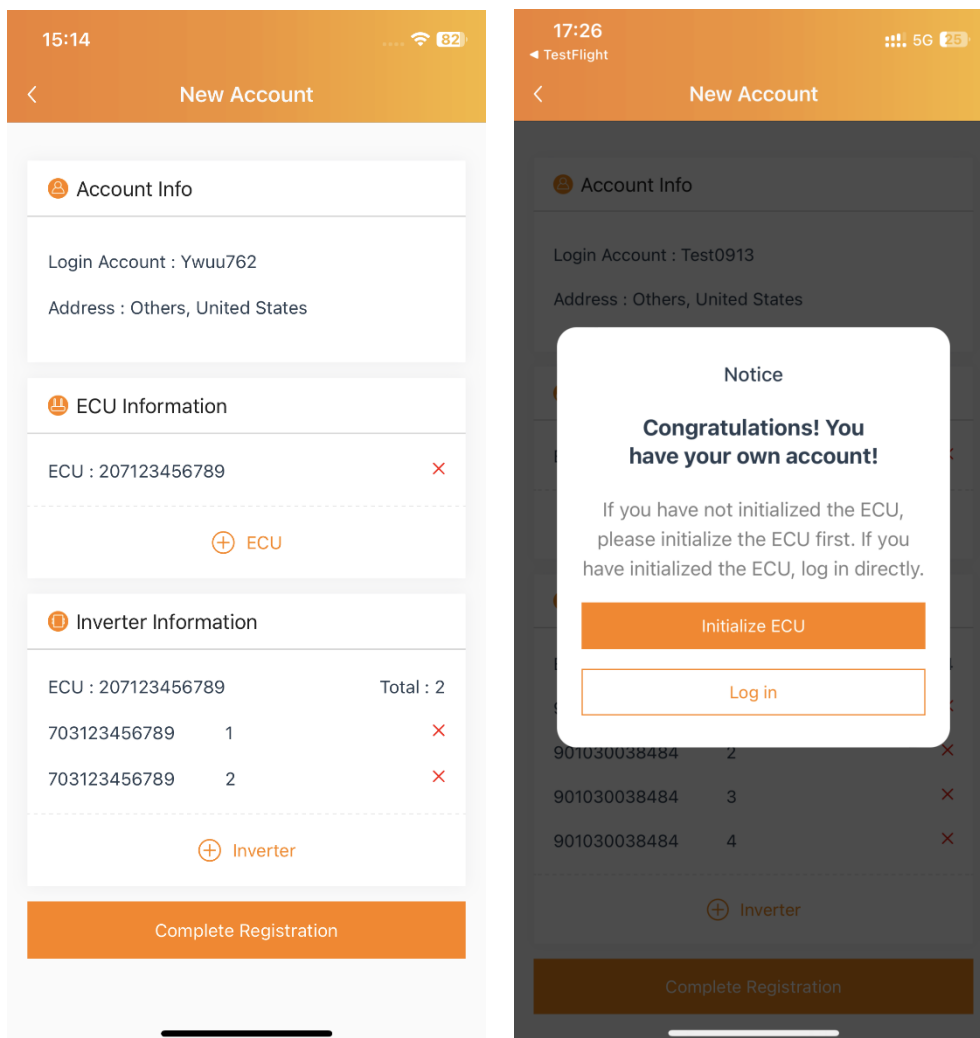
Align the ECU bar code within the frame to scan

UID	Action
1 703000334821	2 X

OK

2.System Configuration

- Click "Complete Registration" to complete.



2. System Configuration

2.2 ECU Initialization

After the account registration is completed, you can initialize the ECU.

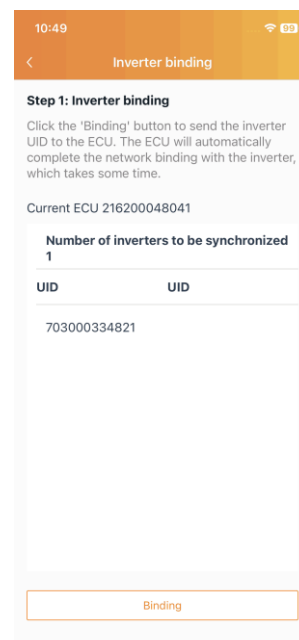
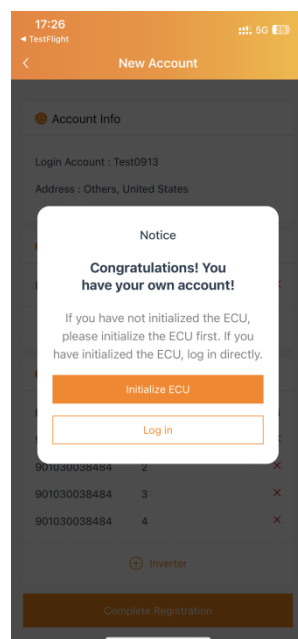
Note

When configuring the ECU, you need to switch the mobile phone network to the ECU hotspot. The default password for the ECU hotspot is 88888888.

2.2.1 Link Inverters

- Click "ECU Initialization" to enter,
- Correct the inverter number, click the "Bind" button, and send the inverter UID to the ECU. The ECU will automatically complete the network binding with the inverter. This process takes some time.

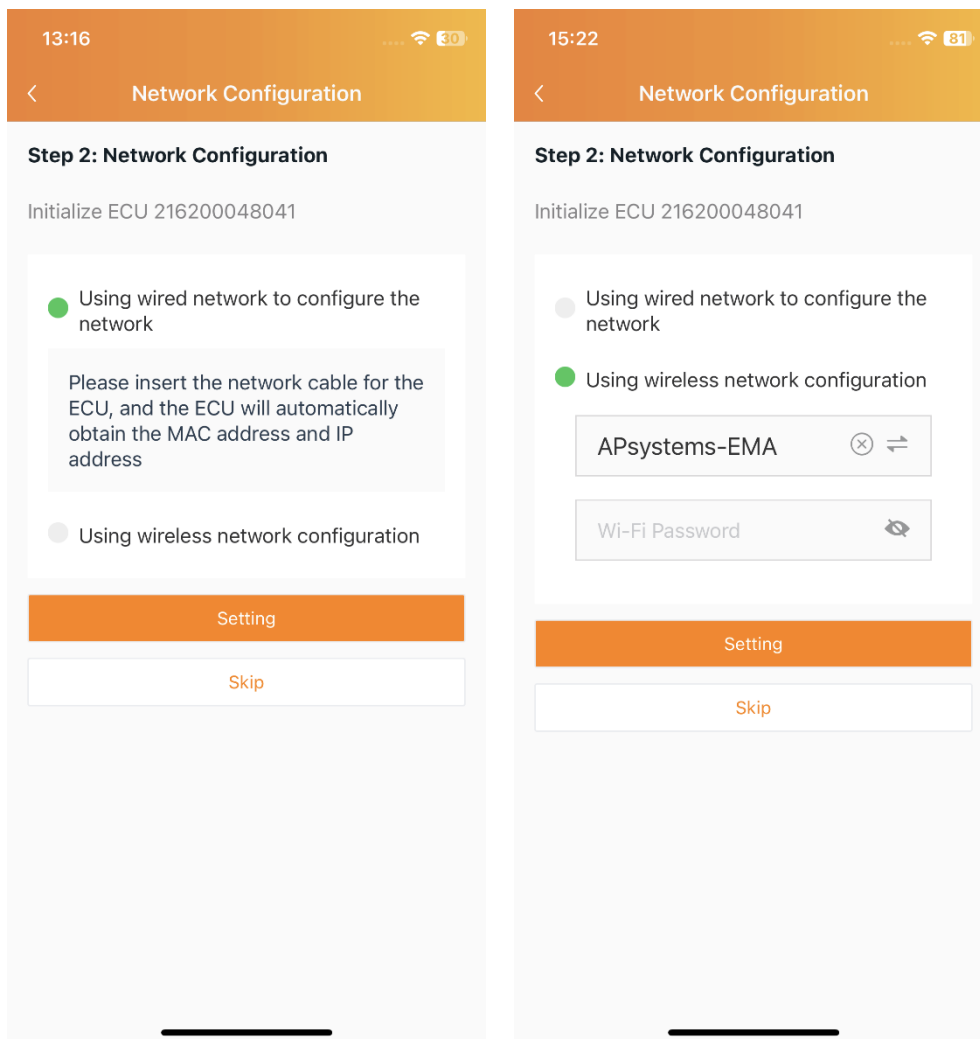
If you skip account registration and proceed directly to ECU initialization, you need to enter the inverter information.



2. System Configuration

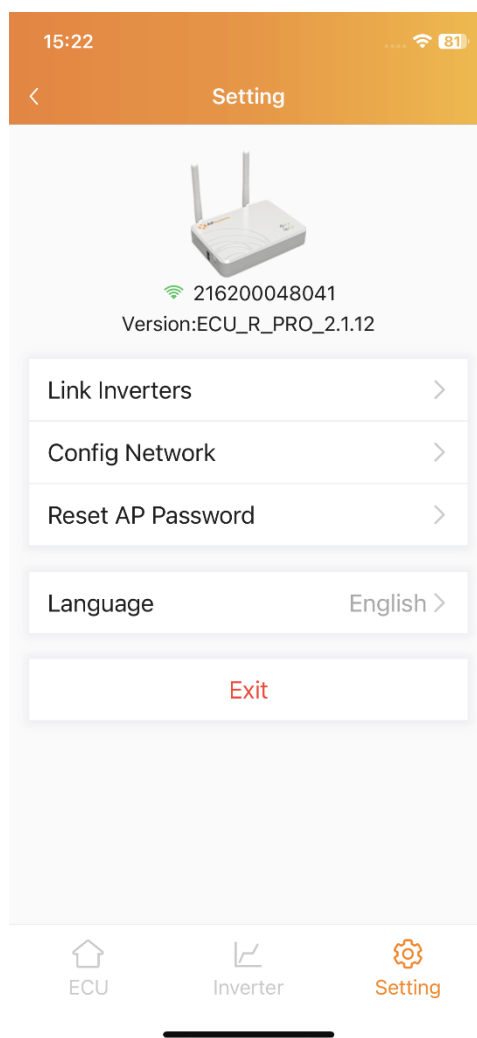
2.2.2 Network Configuration

- Select the Internet Wi-Fi that can be connected in the ECU work area and enter the Wi-Fi password or choose wired network configuration,
- Click "OK" to complete the network configuration.



2.System Configuration

2.2.3 ECU Setting



3.Data Monitor

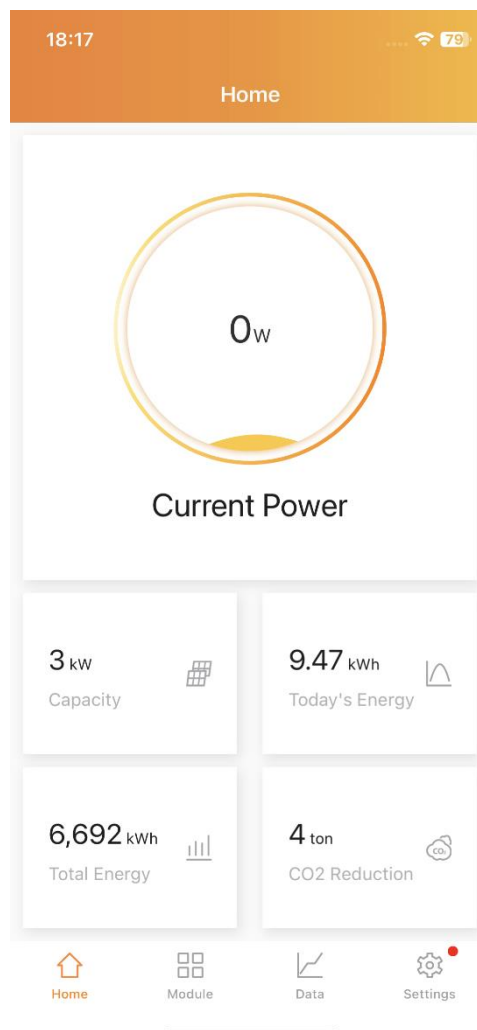
3.1 Remote Monitor

Note

Remote monitoring requires logging in to an EMA account.

3.1.1 Home

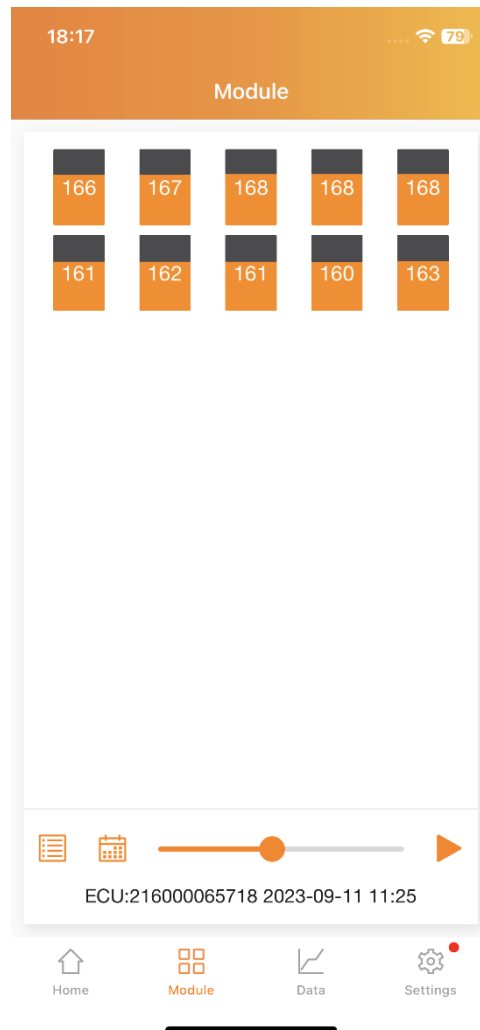
"Home" displays the real-time operating status and system benefits;



3 Data Monitor

3.1.2 Module

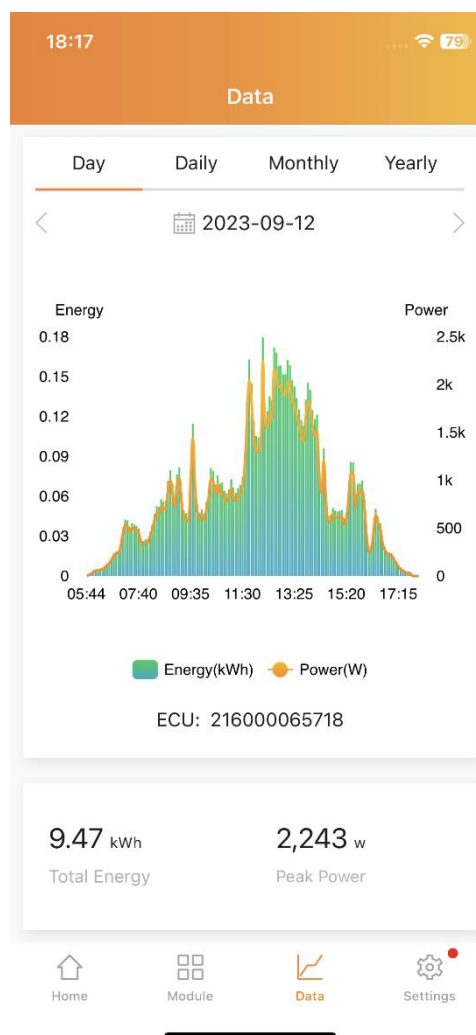
"Module" displays the system module level operating status;



3 Data Monitor

3.1.3 Data

"Data" displays the current operating status and historical power generation of the system.



3 Data Monitor

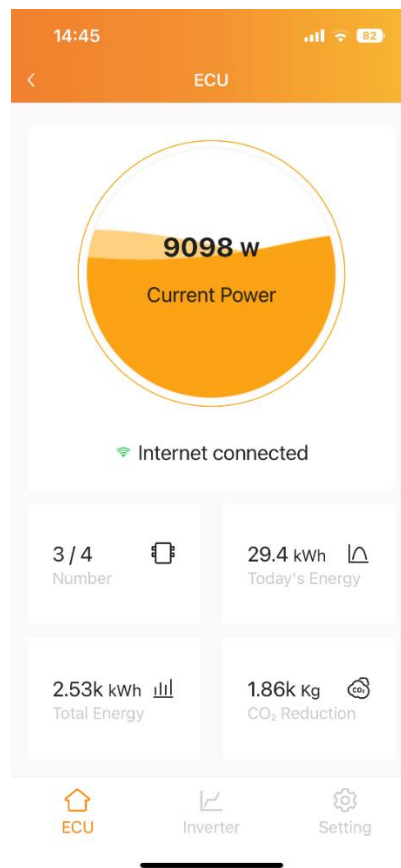
3.2 Local Monitor

Note

You need to switch the mobile phone network to the ECU hotspot and click "Local Access" on the login page. The default password for the ECU hotspot is 88888888.

3.2.1 ECU

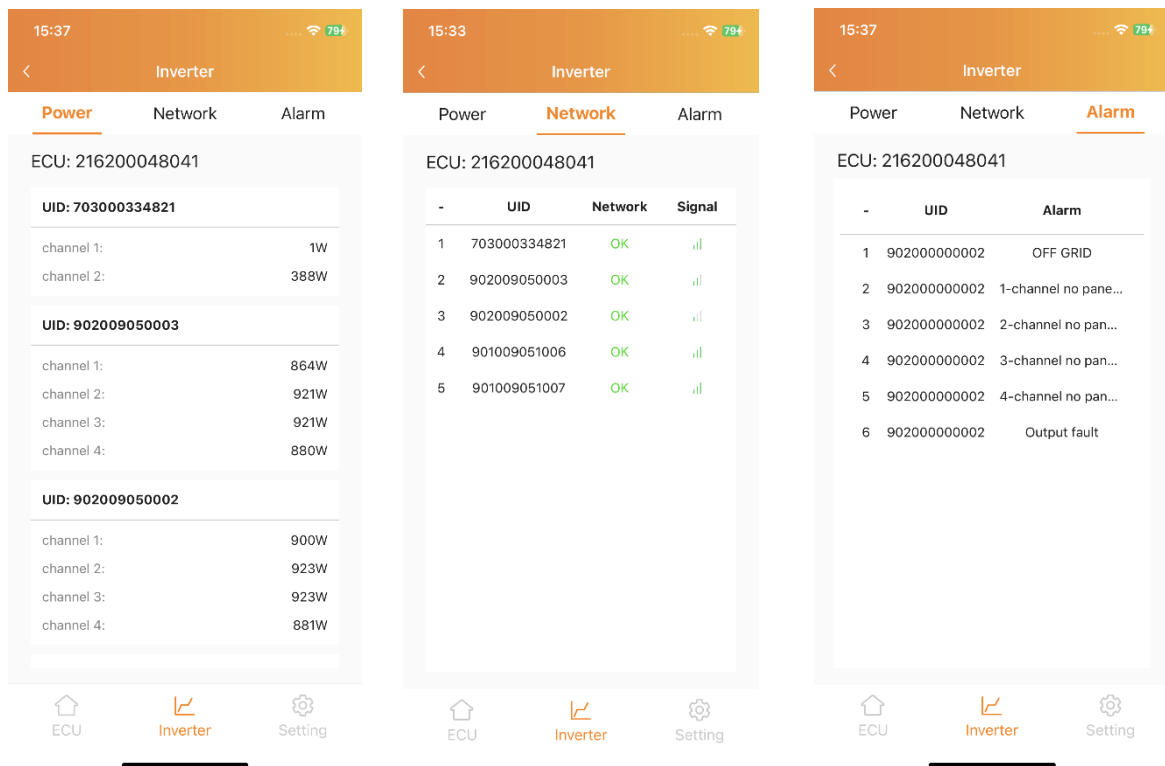
"ECU" displays the real-time operating status of the system and the system's environmental benefits;



3 Data Monitor

3.2.2 Inverter

"Inverter" displays the device level power generation data, the progress of the network between the device and the ECU and the alarm information of the device.

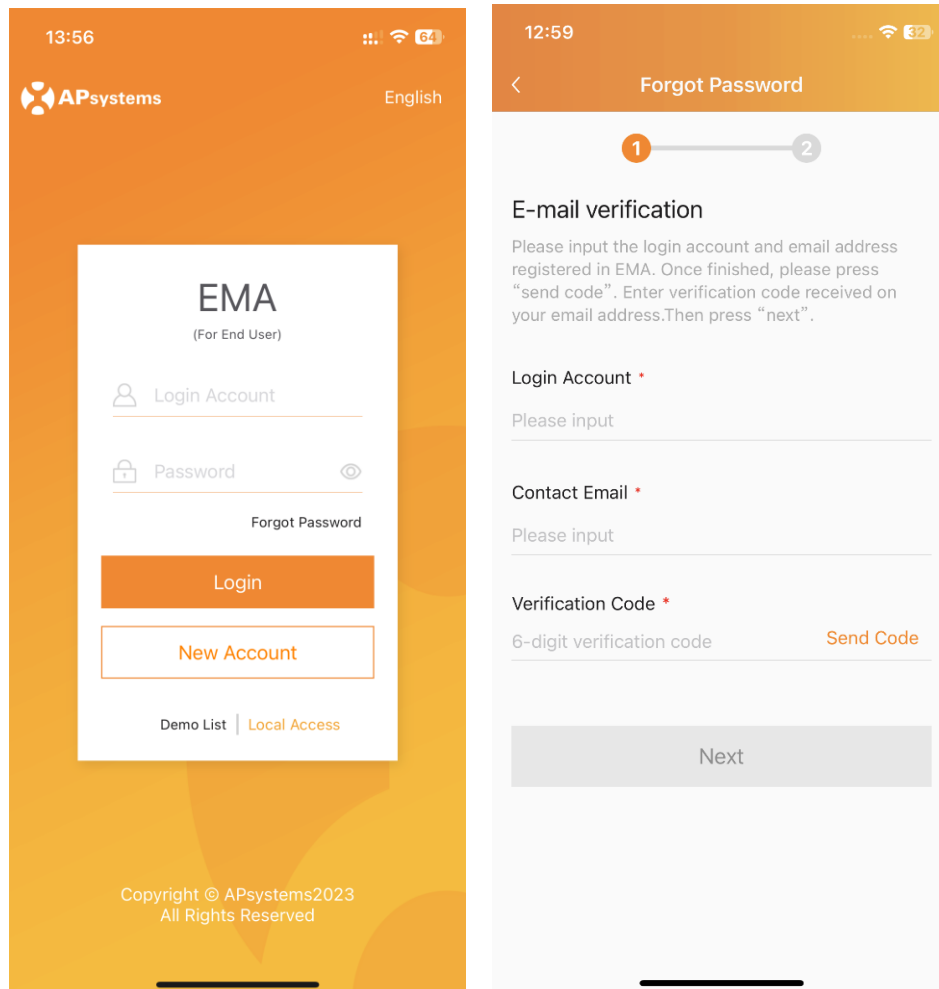


4.Account management

4.1 Forgot Password

If you forget your EMA account login password, you can reset your account password through the password retrieval process.

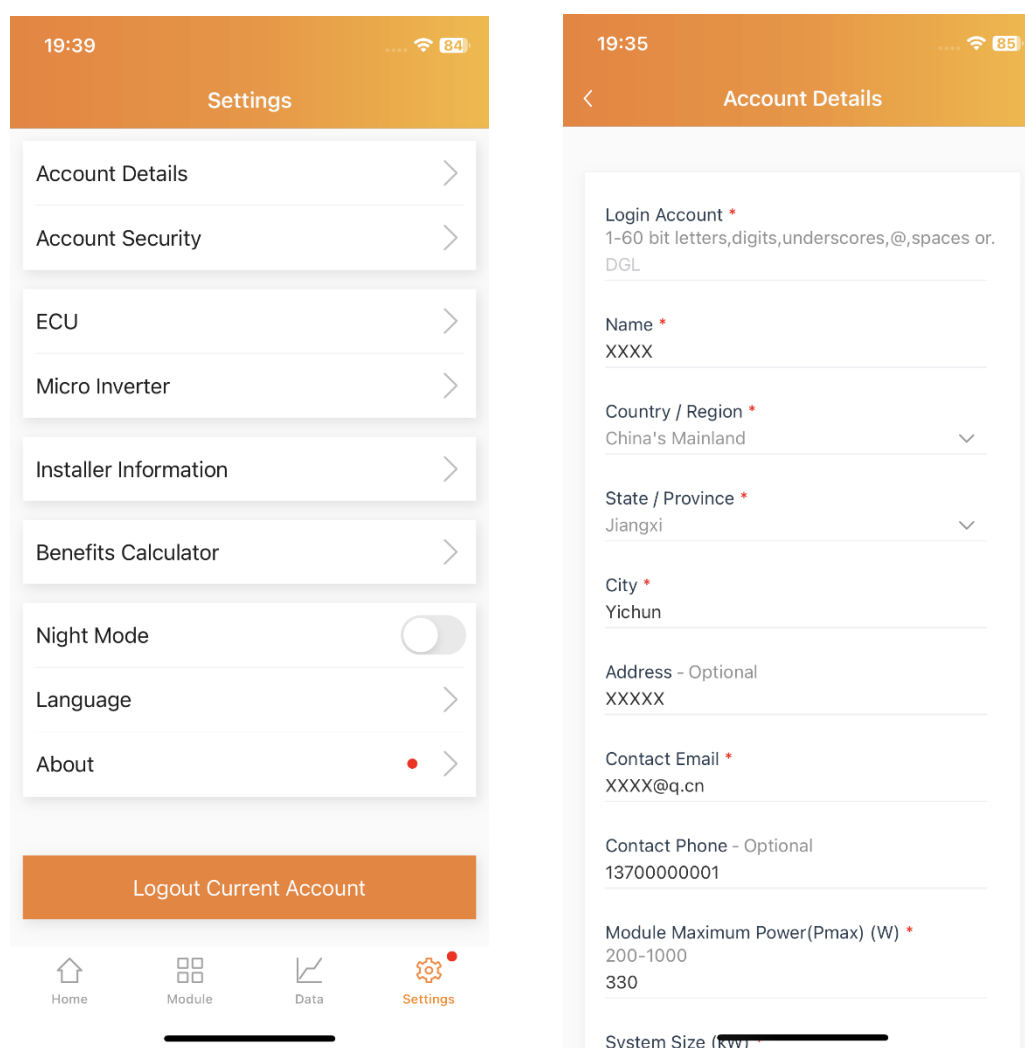
- Click "Forgot Password",
- Enter your account name and email, click to get the verification code, then consult your email to retrieve the verification code (verification code is valid for 5 minutes), and return to the APP to verify the information,
- Enter the new password and click "Finish" to complete.



4 Account management

4.2 Account Information Edit

- Log in to your account and enter "Account Details" on the "Settings" page,
- Enter the correct information in the input box where the information needs to be modified, and click "OK" to save the modified information.

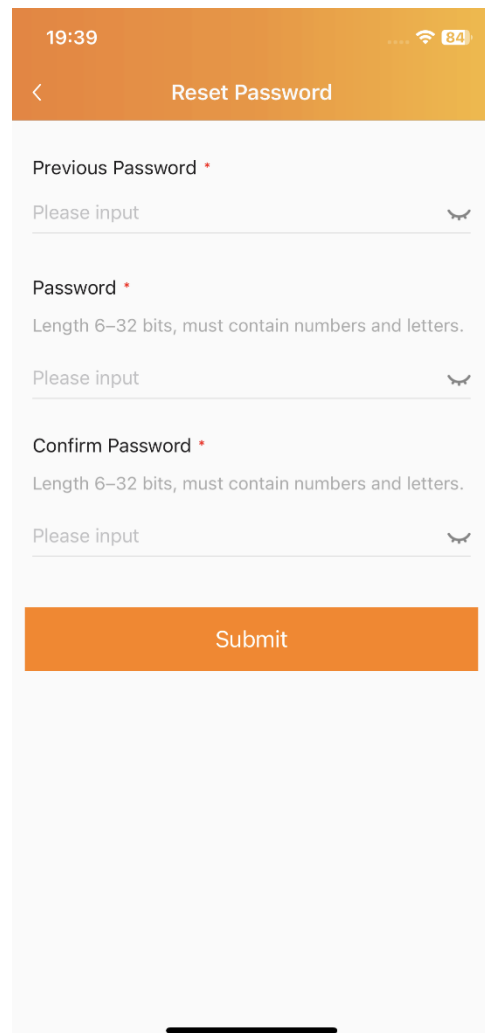
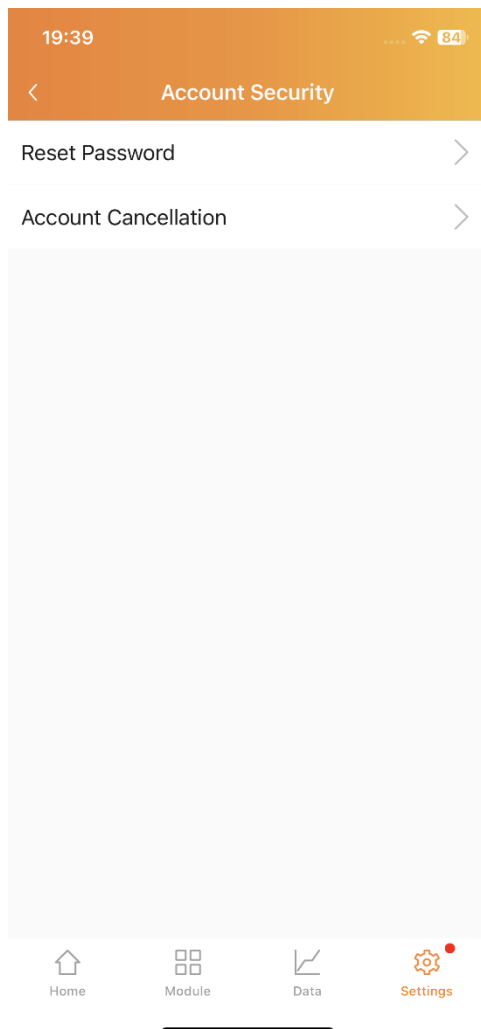


4 Account management

4.3 Account Security

4.3.1 Reset Password

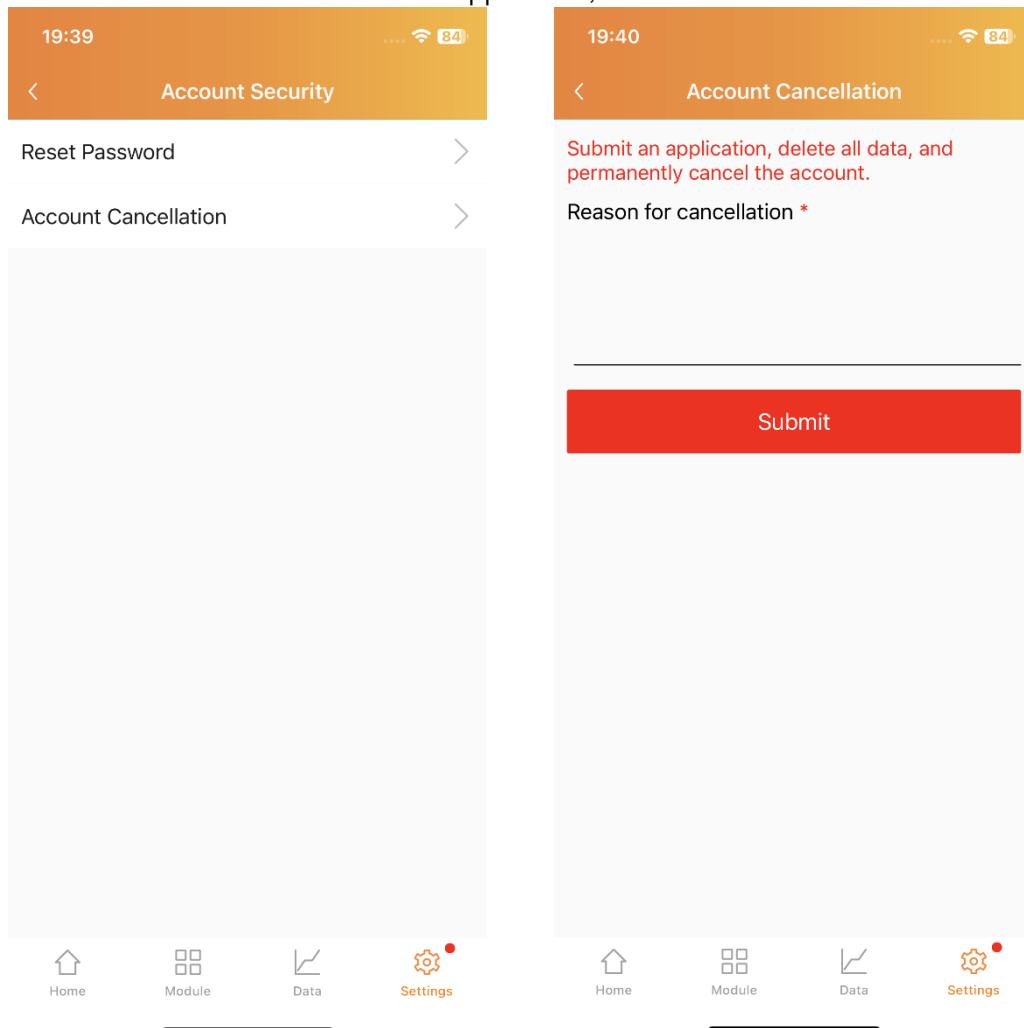
- Log in to your account and enter "Account Security" on the "Settings" page,
- Click "Reset Password", enter the new password, and click "Submit" to complete the password reset,



4 Account management

4.3.2 Account Cancellation

- Log in to your account and enter "Account Security" on the "Settings" page,
- Click "Account Cancellation", enter the reason for cancellation, and click "Submit" to send the account cancellation application,



Note

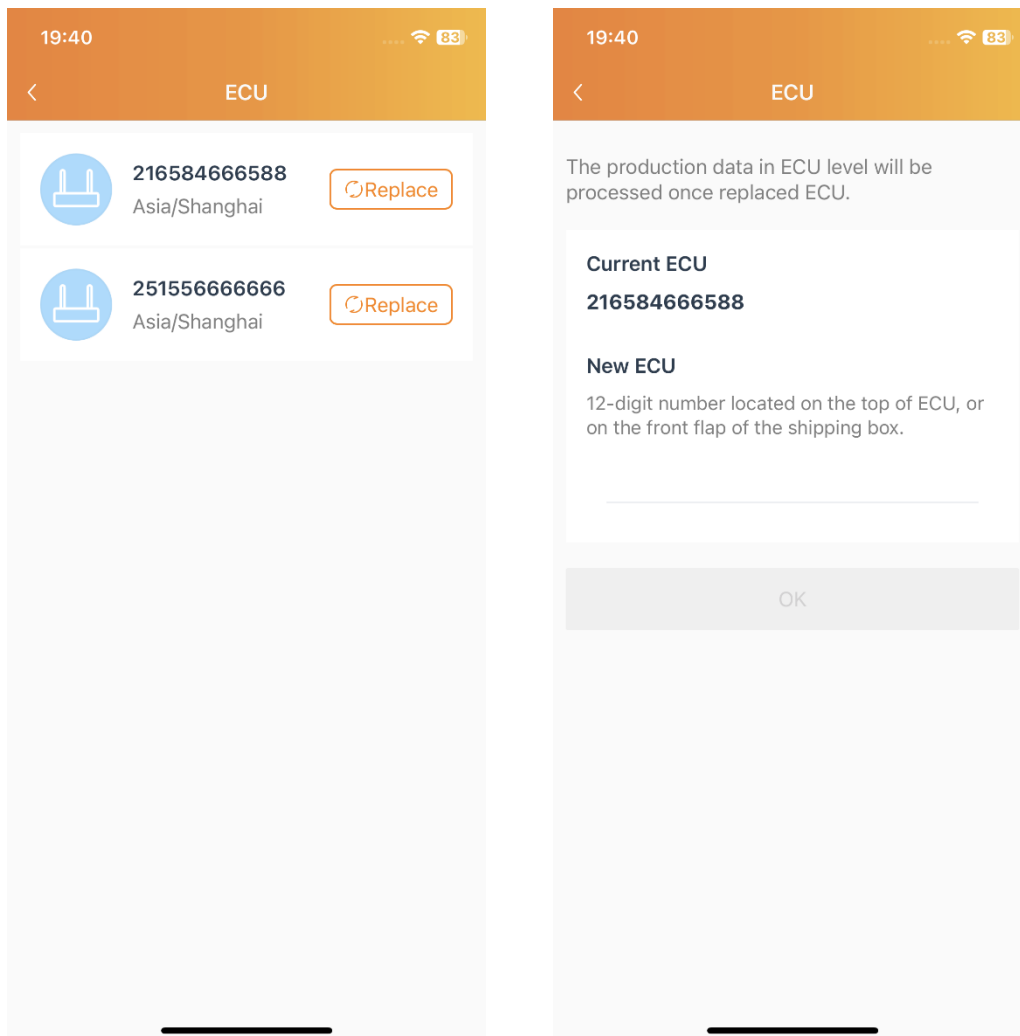
EMA will process the submitted application within 48 hours.

4 Account management

4.4 Device Information Edit

4.4.1 ECU Information Edit

- Log in to your account and enter "ECU" on the "Settings" page,
- Click "Replace", enter the new ECU ID in the input box, and click "OK" to update the ECU information,



4 Account management

4.4.2 Inverter Information Edit

- Log in to your account and enter "Inverter" on the "Settings" page,
- Click "Replace", select the inverter replacement method, edit the new device information according to the page prompts, and click "OK" to update the inverter information,

Method 1: Replace by device

19:41 83%

< Micro Inverter

Replacing DC equipment, DC level data will not be processed for continuation

Current ECU
216584666588

Current Inverter Type
406000000013 YC600

Replace method
Device ▾

New inverter
12-digit number located on the top of inverter, or on the front flap of the shipping box.
Please enter the new inverter ID

OK

Method 2: Replace by channel

19:41 83%

< Micro Inverter

Replacing DC equipment, DC level data will not be processed for continuation

Current ECU
216584666588

Current Inverter Type
406000000013 YC600

Replace method
Channel ▾

New inverter
12-digit number located on the top of inverter, or on the front flap of the shipping box.
Please enter the new inverter ID

Current Channel New Channel
2 Please sele... ▾

OK

4 Account management

4.4.3 Installer Information

The user can associate the registered user account with the installer's technical support account here. After the account is associated, the user can view the installer's information on this page.

- Log in to your account and enter "Installer Information" on the "Settings" page,
- If the installer's company code is not associated when registering the account, you can click the "Associate" button and enter the installer's company code to associate the account; if the installer's company code has been associated, the installer's information will be displayed on the page,

The image displays two mobile app screenshots of the "Installer Information" page. The left screenshot, taken at 19:49, shows a message stating: "The account is not associated with any installation provider. After association, the installation provider can provide you with after-sales service." Below this message is an orange "Association" button. The right screenshot, taken at 19:42, shows the same page with a "Company Logo" placeholder and a form containing the following fields: "Installer Name" (test20230801), "Company Name" (test901), "Company Code" (A23H7409), "Technical Support Email" (yamin.luo@apsystems.cn), and "Technical Support Phone".

Note

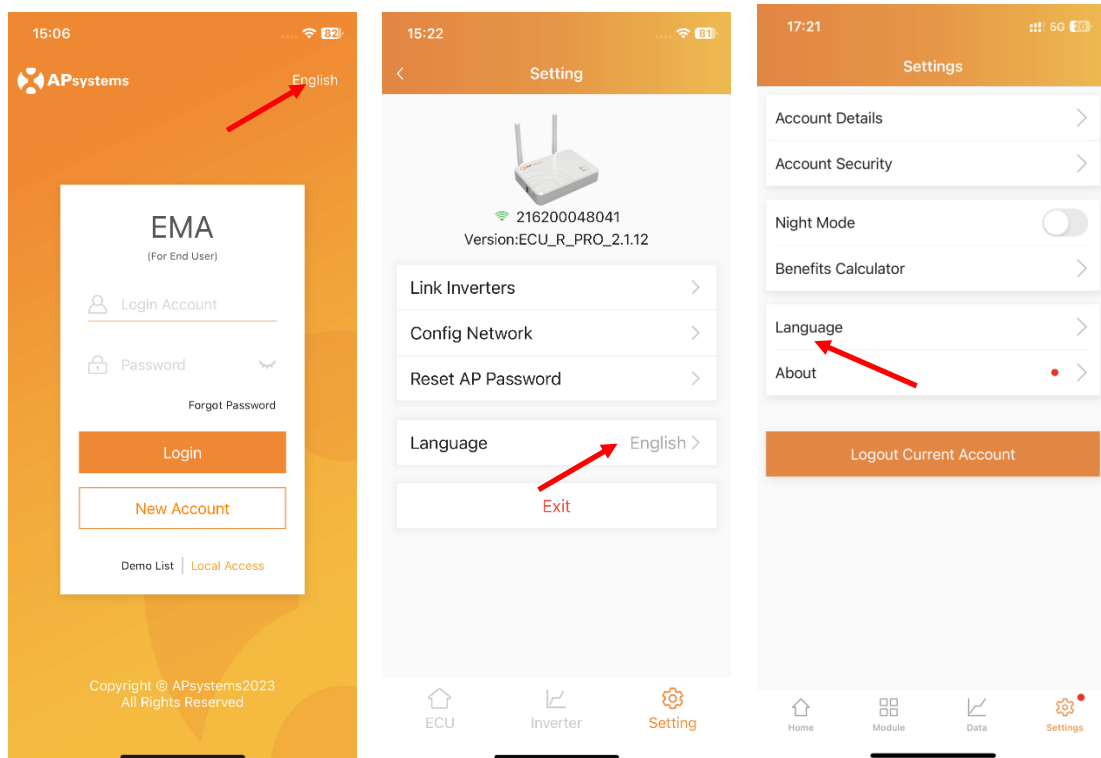
You can enter the **company code** to make the link to your installer/retailer. This field is optional.

Installer/retailer can login EMA Manager or EMA web portal, and get the company code in the "Setting" page.

5.App Setting

5.1 Language

You can switch the language on the "Login" page and "Setting" page.



3.App Setting

5.2 Night Mode

The App interface can be switched to night mode.

