



EMA APP User Manual (PV Version)

V8.7.0

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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.Register/Login/Reset Password

2.1 Register

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

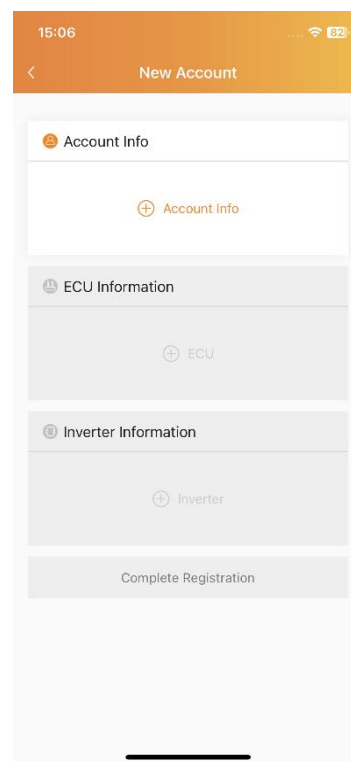
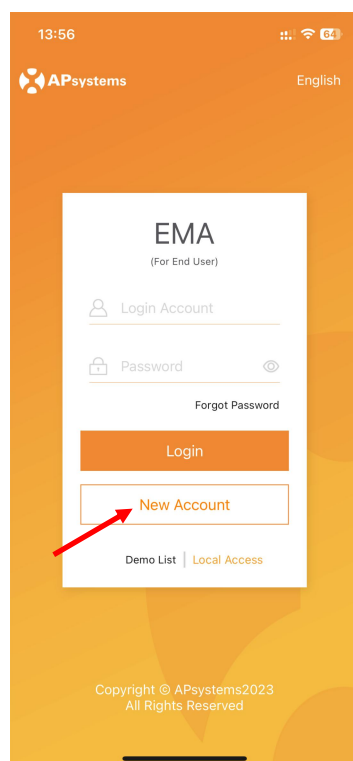
- Click "Register" to enter the registration navigation page.

"Register" is divided into the following three steps:

Step1: Account Information (Required)

Step2: ECU Information (Required)

Step3: Inverter Information (Required)



2.Register/Login/Reset Password

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 sequential screenshots of the 'Account Info' screen in the EMA APP. The left screenshot, taken at 11:27, shows the initial form with fields for Login Account, Password, Name, Country/Region, State/Province, City, Module Maximum Power, and Contact Email. The right screenshot, taken at 11:26, shows the form after some information has been entered, including Contact Email (138999@qq.com) and Contact Phone. It also shows the Installer Information section with a Company Code field and the Others section with checkboxes for agreeing to terms and being 18 years old. An OK button is at the bottom.

Note

Company Code

Contact your installer to get the company code. Installer can login EMA Manager or EMA web portal, and get the company code in the "Setting" page.

2.Register/Login/Reset Password

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.Register/Login/Reset Password

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

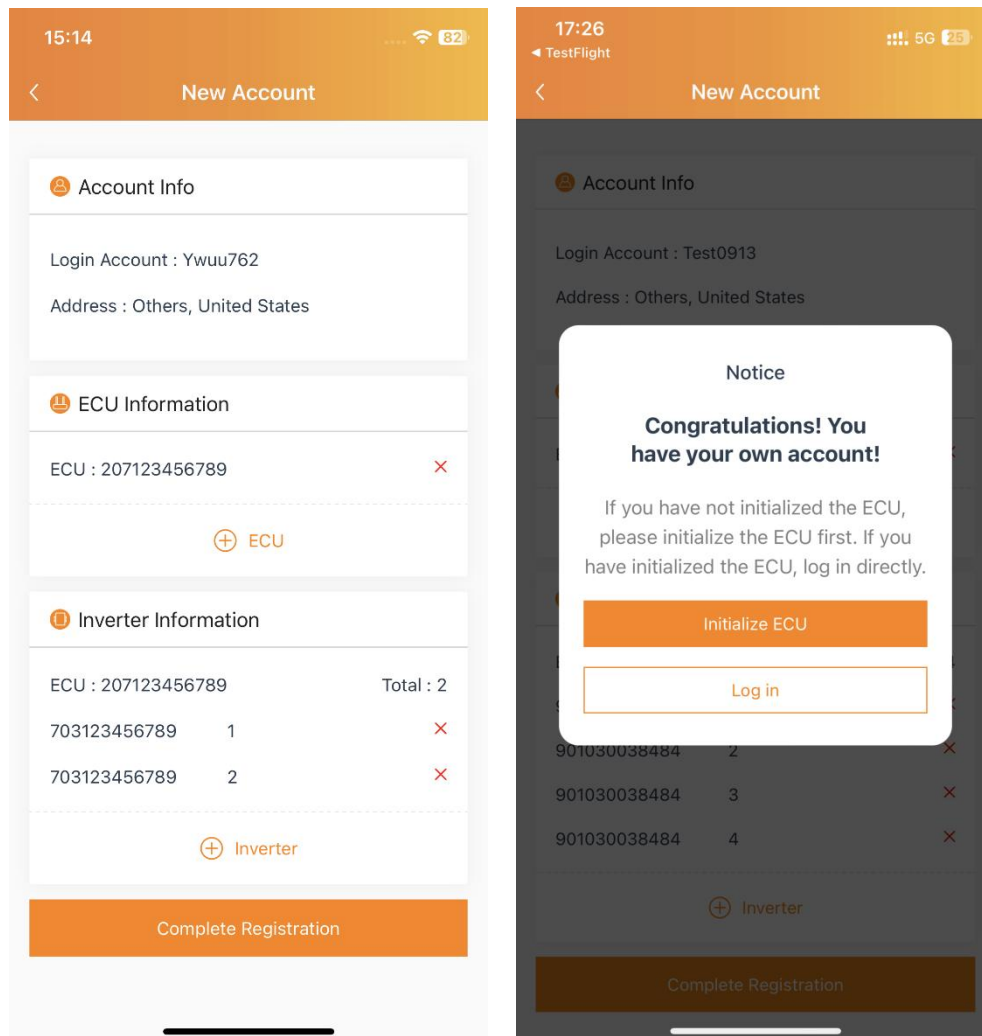
Align the ECU bar code within the frame to scan

UID	Action
1 703000334821	2 ✕

OK

2.Register/Login/Reset Password

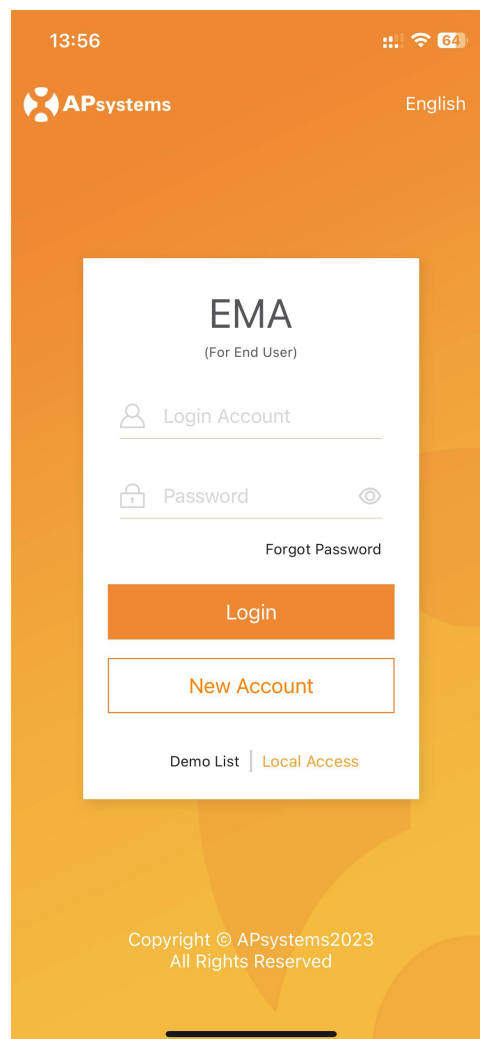
- Click "Complete Registration" to complete.



2.Register/Login/Reset Password

2.2 Login

If you have already registered an EMA account, enter your account name and password on the login page and click to log in.

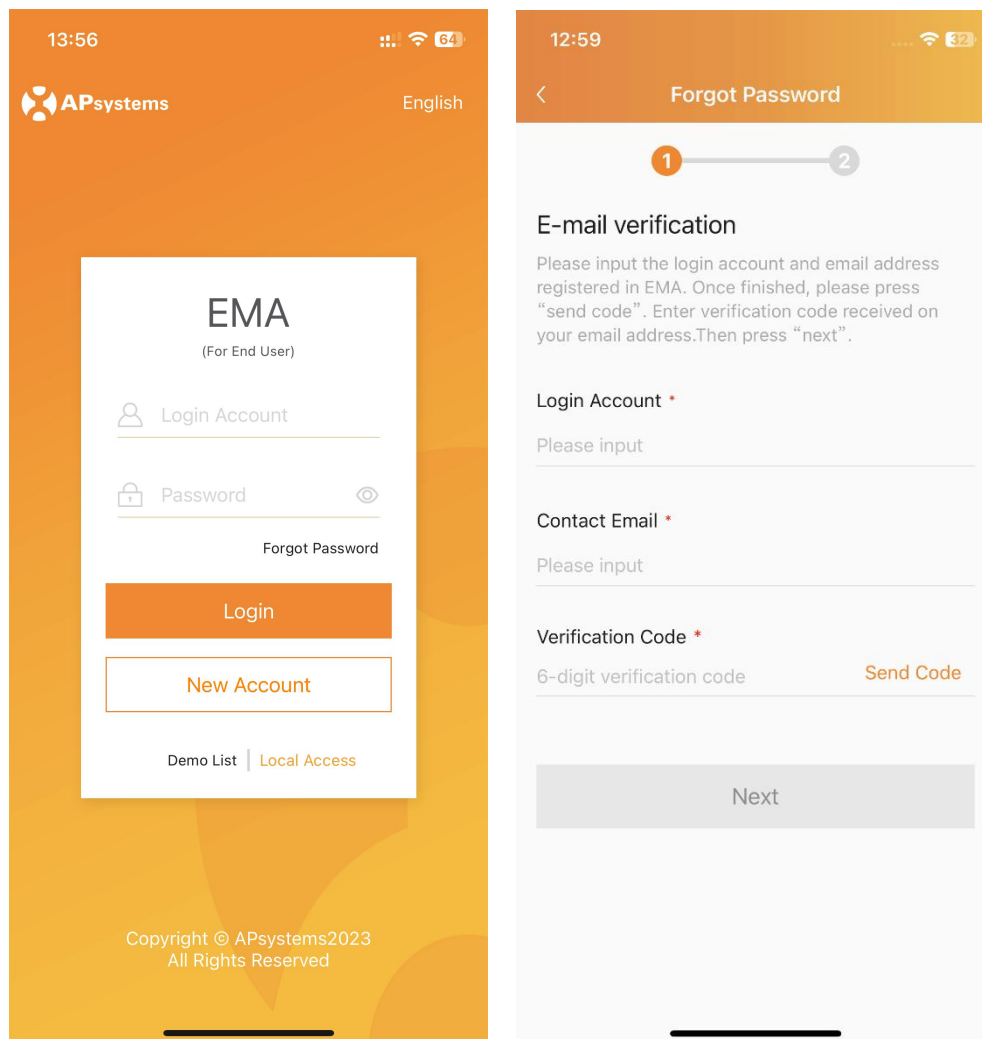


2.Register/Login/Reset Password

2.3 Reset 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, and return to the APP to verify the information,
- Enter the new password and click "Finish" to complete.



3. System Configuration

3.1 ECU Initialization

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

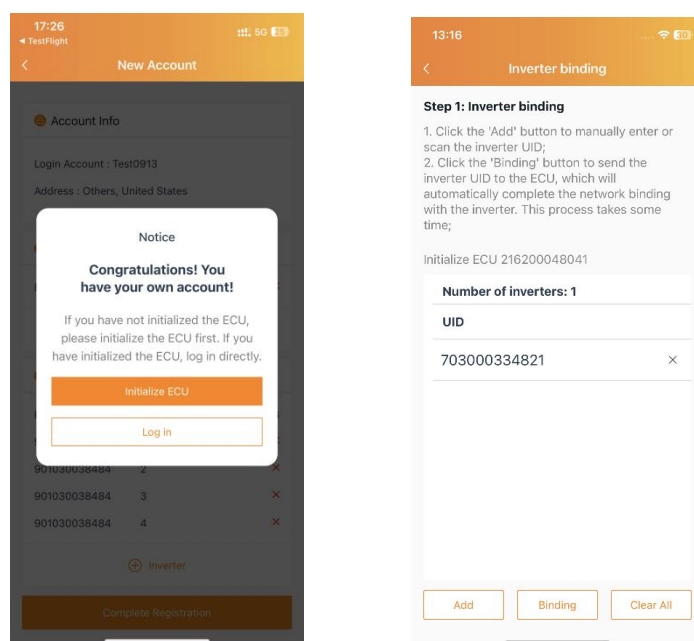
Note

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.

3.1.1 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.

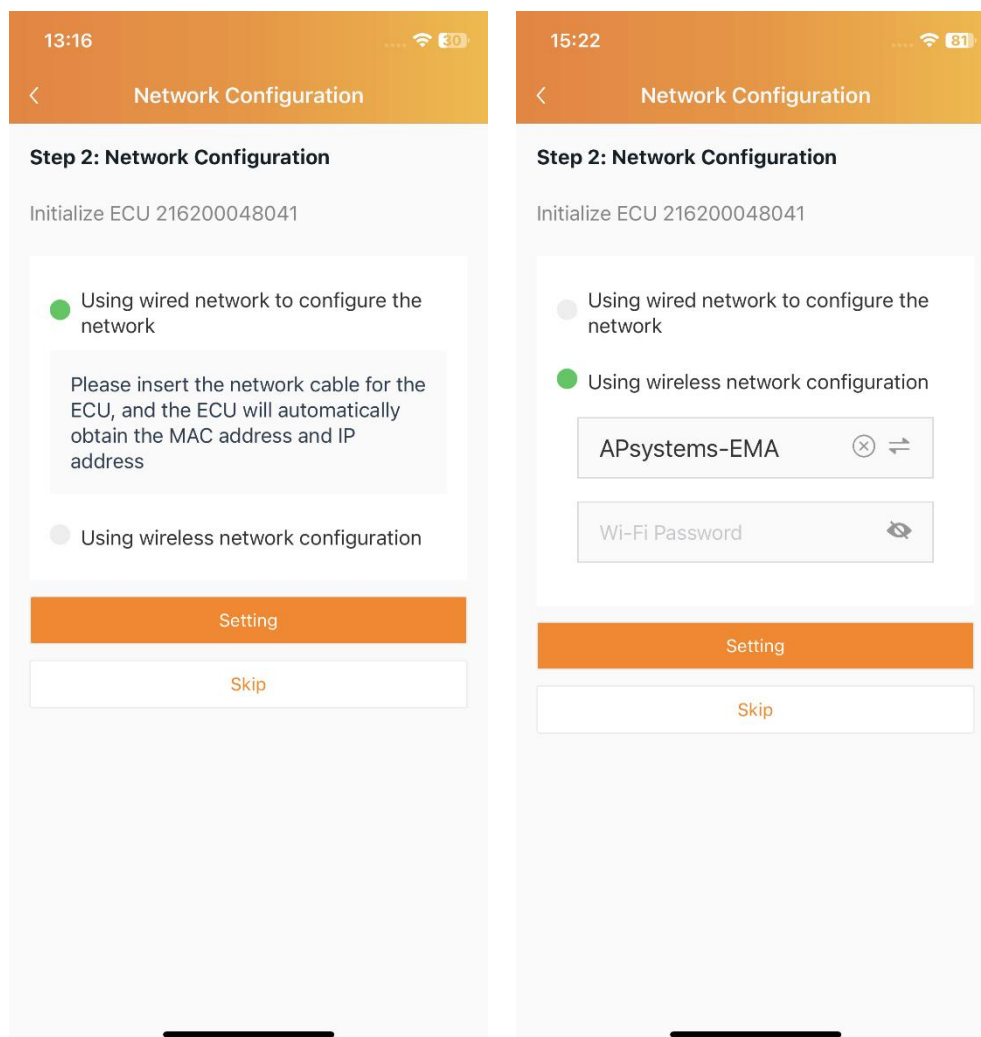
If you skip account registration and proceed directly to ECU initialization, you need to enter the inverter information.



3.System Configuration

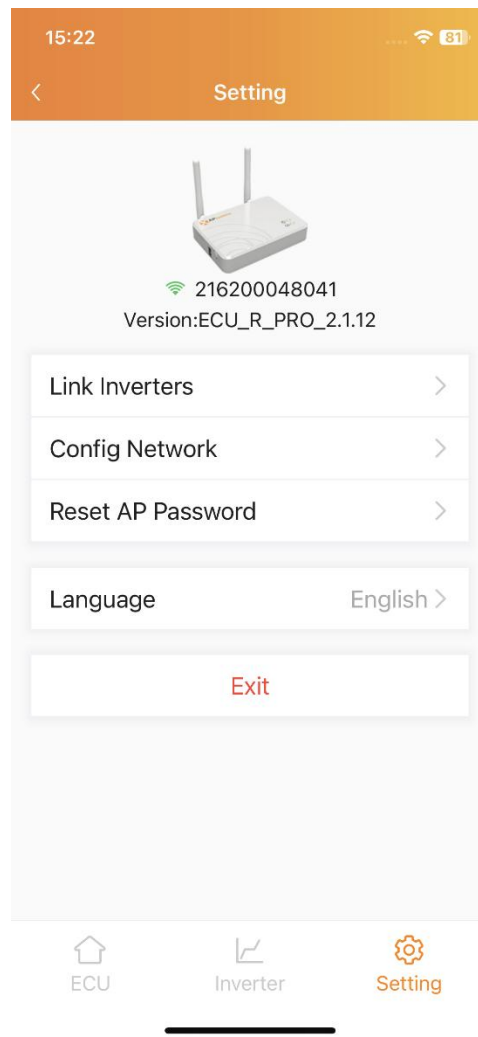
3.1.2 Network Configuration

- 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.



3.System Configuration

3.2 ECU Setting



4.Data Monitor

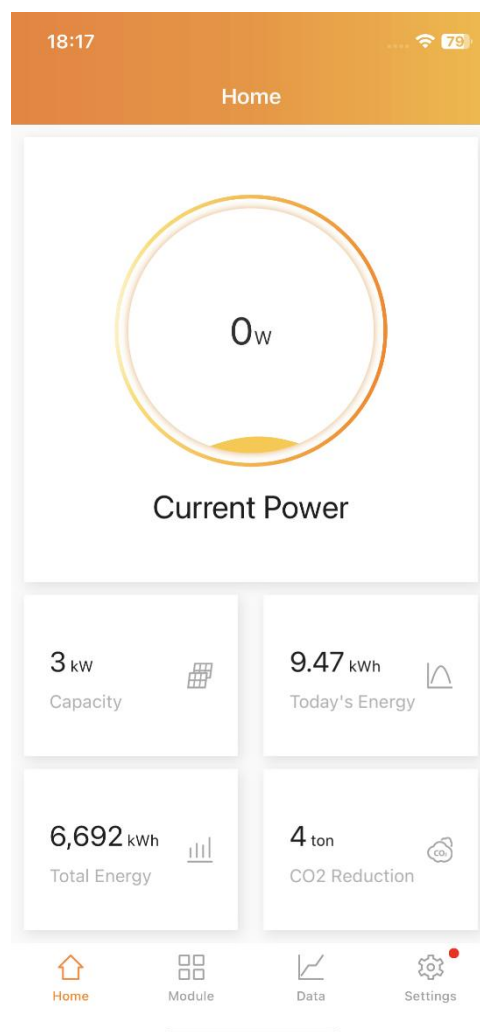
4.1 Remote Monitor

Note

Remote monitoring requires logging in to an EMA account.

4.1.1 Home

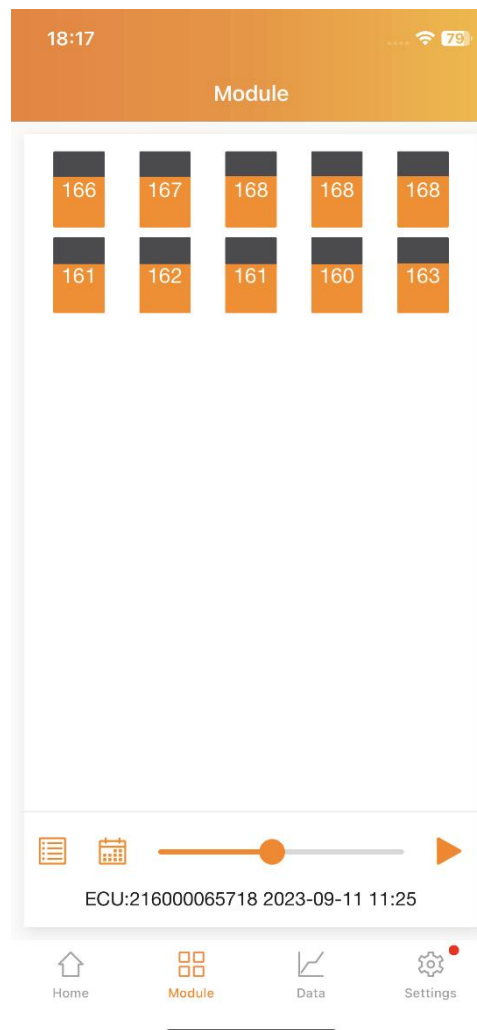
"Home" displays the real-time operating status and system benefits;



4.Data Monitor

4.1.2 Module

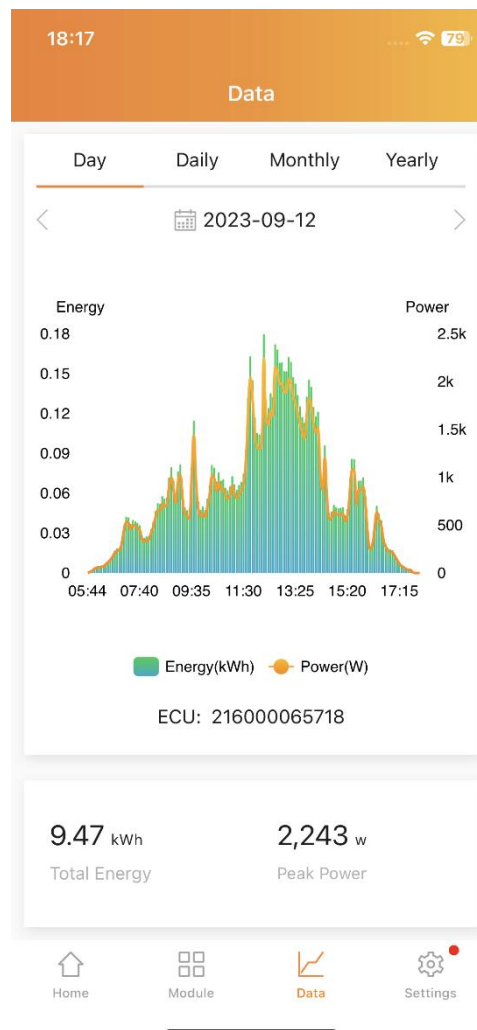
"Module" displays the system module level operating status;



4.Data Monitor

4.1.3 Data

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



4.Data Monitor

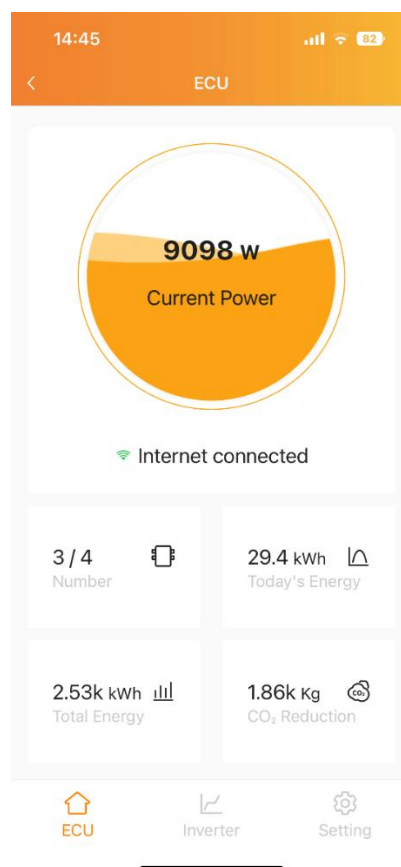
4.2 Local Monitor

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.

4.2.1 ECU

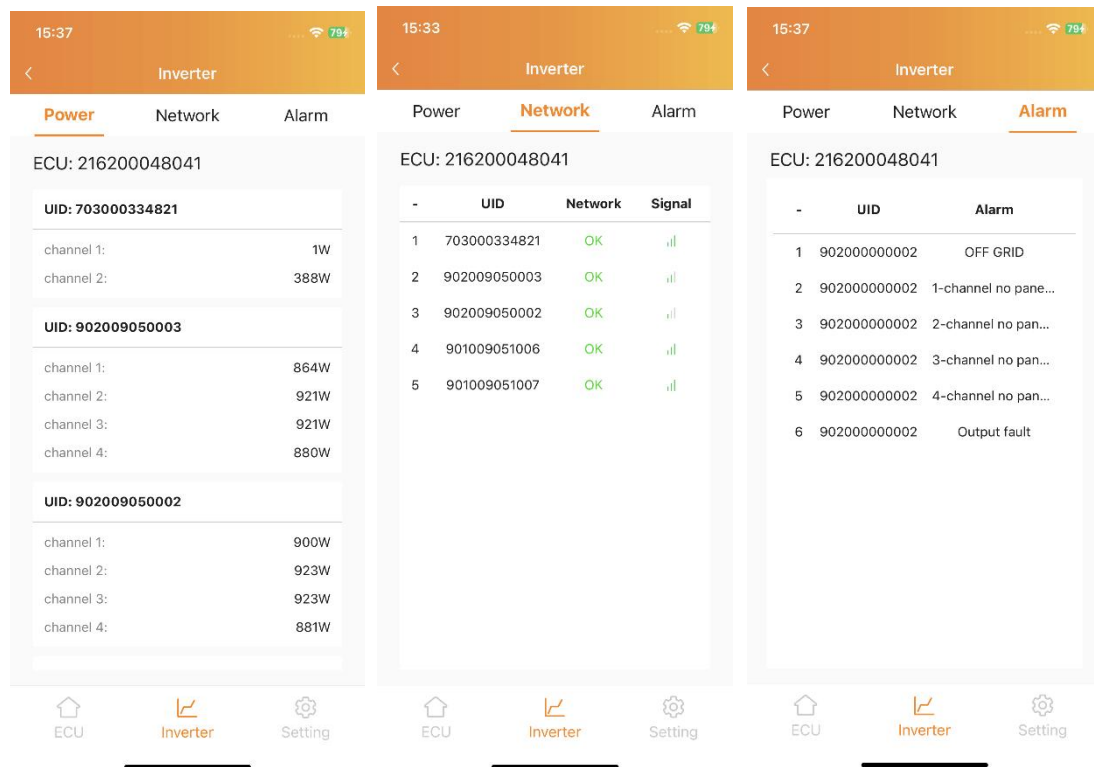
"ECU" displays the real-time operating status of the system and the system's environmental benefits;



4.Data Monitor

4.2.2 Inverter

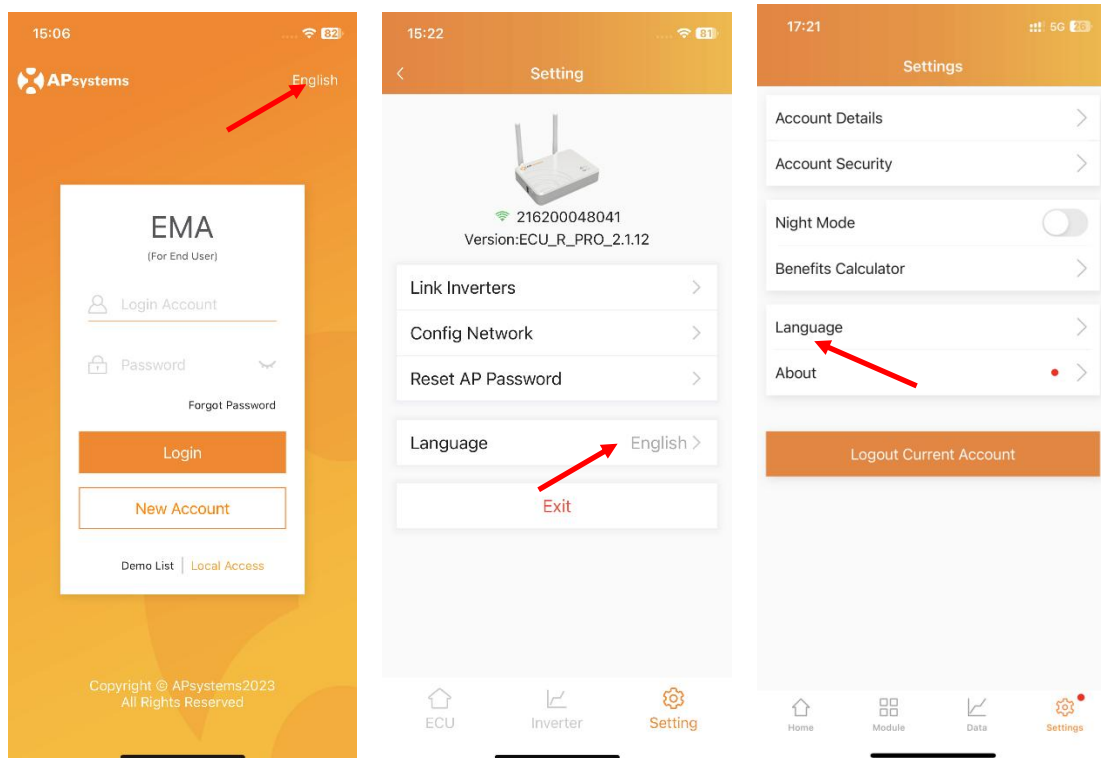
"Inverter" displays the device level power generation data, the progress of the network between the device and the ECU and the alarm information of the device.



5.App Setting

5.1 Language

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



5.App Setting

5.2 Night Mode

The App interface can be switched to night mode.

