



TCL iEnergy App

User Manual

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1. Software Overview

1.1 Overview

TCL iEnergy App is the official mobile application of the **WowEnergy 2.0 Intelligent Energy Management System**.

The platform supports multiple user roles, including end users, installation service providers, and device manufacturers. After login, functions are automatically matched based on user identity to meet energy management requirements in different scenarios.

Through Bluetooth, Wi-Fi, and remote cloud connections, TCL iEnergy enables full lifecycle management—from power plant deployment and device commissioning to remote operation & maintenance, user-side energy analysis, strategy optimization, and demand response. It is an all-in-one mobile solution covering both residential and C&I scenarios.

1.2 Functions

Multi-role Support

Supports end users, installers, and device manufacturers with role-based functionality.



Real-time Monitoring

Monitor key data such as PV generation, battery charging/discharging, and load consumption.

Smart Alarms

Intelligent alerts triggered by device type and edge computing, with instant notifications.

Multiple Connectivity Options

Bluetooth, Wi-Fi, and cloud access to adapt to various deployment scenarios.

Data Analysis

Graph-based trend analysis and historical data tracking to support decision-making.

Strategy Configuration

Anti-backflow, self-consumption, grid priority, battery priority, peak shaving & valley filling, TOU mode, inverter operation modes, etc.

Fast Device Configuration

Installers can activate devices via Bluetooth and remotely modify parameters.



1.3 Target Users

End Users

Monitor and optimize energy usage, reduce electricity costs, and participate in green energy management.

Installation Service Providers

Commission devices, configure parameters, and perform remote fault diagnosis and O&M.

Device Manufacturers / Technical Support

Remotely monitor device operation and provide diagnostics and service support.

1.4 Security

The software features high performance and high concurrency while ensuring data security and confidentiality.

1.5 Operating Environment

The application supports both **Android** and **iOS** mobile devices.

2. User Guide

2.1 App Installation



Android:

Users can search for **“VidaYoung”** in major Android app stores (Tencent App Store, Xiaomi App Store, Huawei AppGallery, etc.) to download and install.

iOS:

Users can search for **“VidaYoung”** in the App Store to download and install.

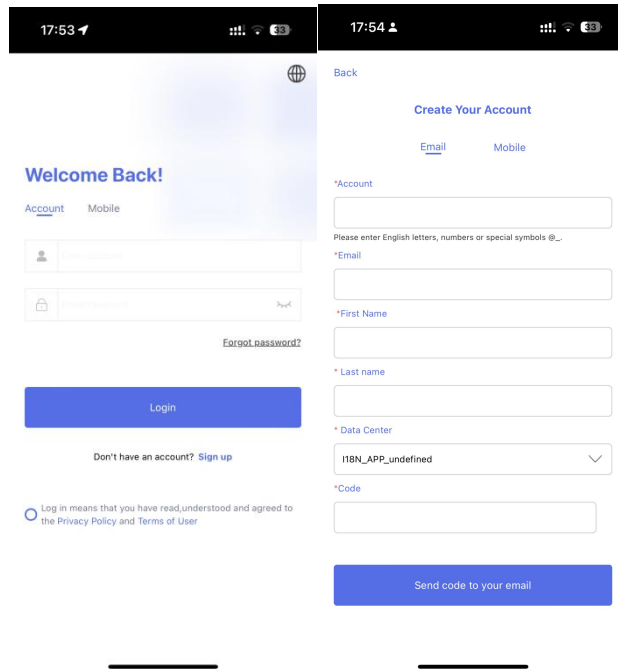
3. Function Description

3.1 End Users

3.1.1 End User Registration

For first-time access, users can register by following these steps:

Tap **“Register”** → Registration page → Account → Email → First Name → Last Name → Verification Code → Request email verification code → Enter password → Password confirmation → Registration completed.



Notes:

1, Installer and distributor accounts cannot be registered via the APP; they must be created by upstream manufacturers on the PC web platform.

2, The APP supports **end-user registration only**.

3.1.2 Power Plant Binding

When logging in for the first time, the end-user home page displays **no power plant** status. Users must bind an existing power plant.

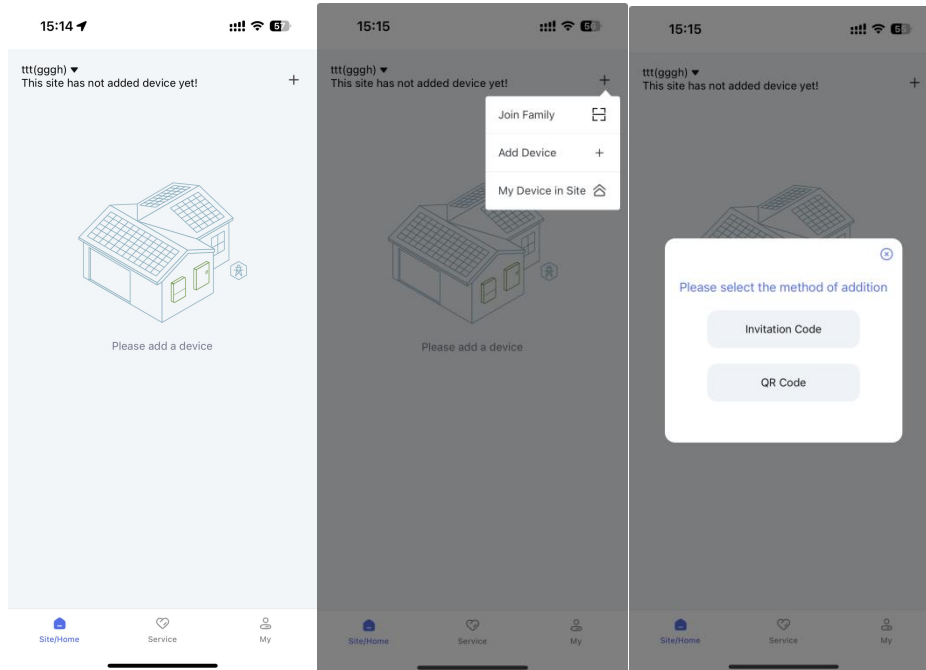
Binding Method:

Tap the “+” icon in the upper-right corner → Select **Join a Home** →



Bind via invitation code or QR code scanning.

(Refer to section XXXX for invitation code acquisition.)

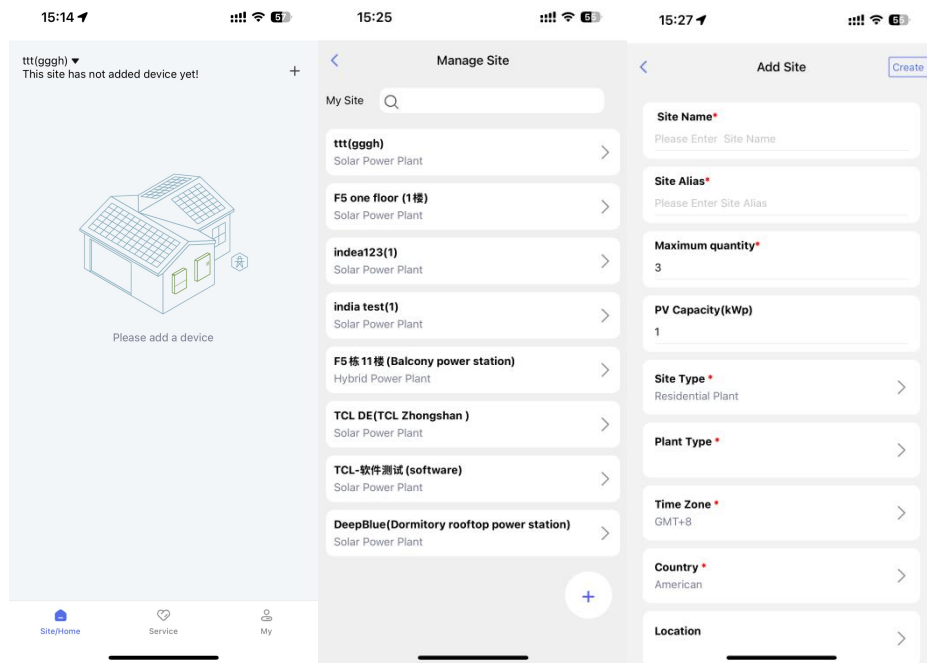


3.1.3 Create a New Power Plant

If no power plant has been created previously, users must create a new one.

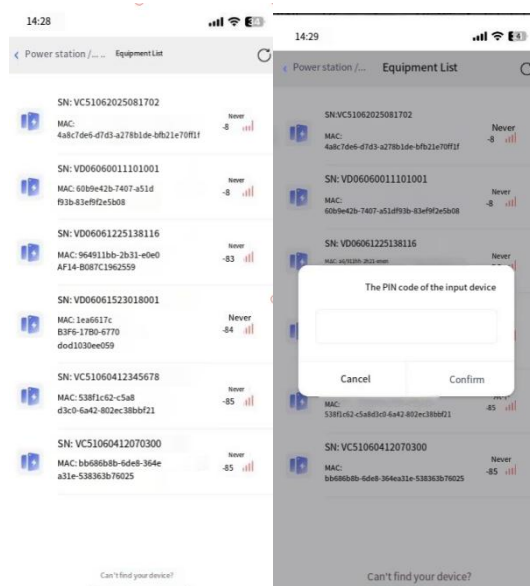
Steps:

Tap the power plant name list in the upper-left corner → Go to power plant list → Tap the “+” icon in the lower-right corner → Fill in power plant information → Complete creation.



3.1.4 Device Binding

Tap the “+” icon in the upper-left corner of the power plant home page
 → Select **Bind Device** →The APP automatically searches for devices on the same network →Select the target device and enter the device **PIN code** to complete binding.



3.1.5 Power Plant Home Page

The power plant home page displays:

Energy flow diagram

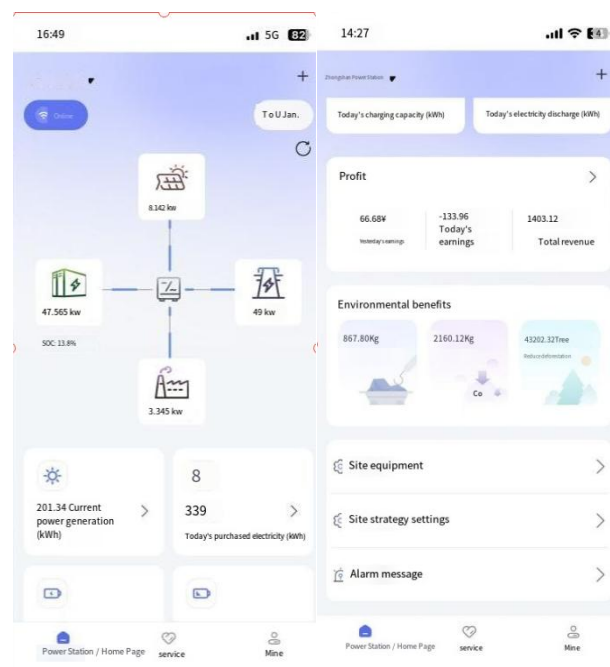
Today' s PV generation

Today' s grid electricity purchase

Today' s charge/discharge data

Revenue data

Environmental benefit data

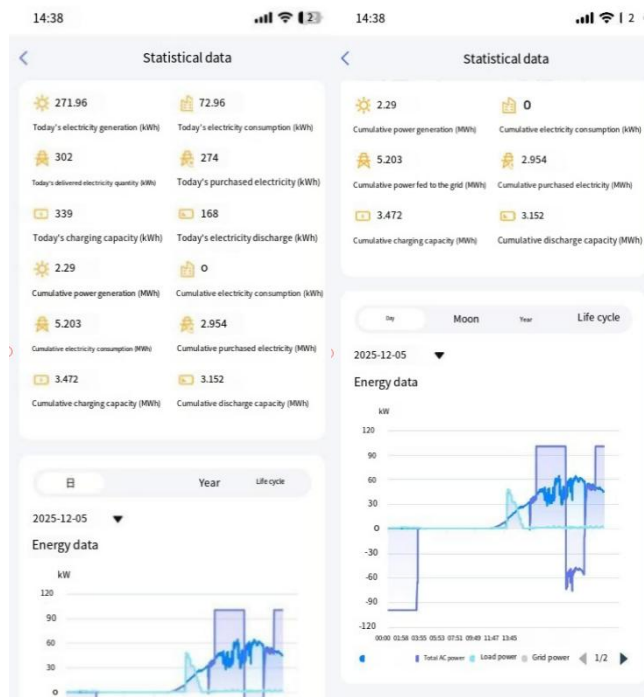


3.1.6 Data Details



Tap **Today's Generation, Grid Purchase, Charge/Discharge, or Revenue** to enter the detailed data pages.

The detailed data page provides daily and cumulative statistics and supports **daily / monthly / yearly** time filtering with corresponding reports.

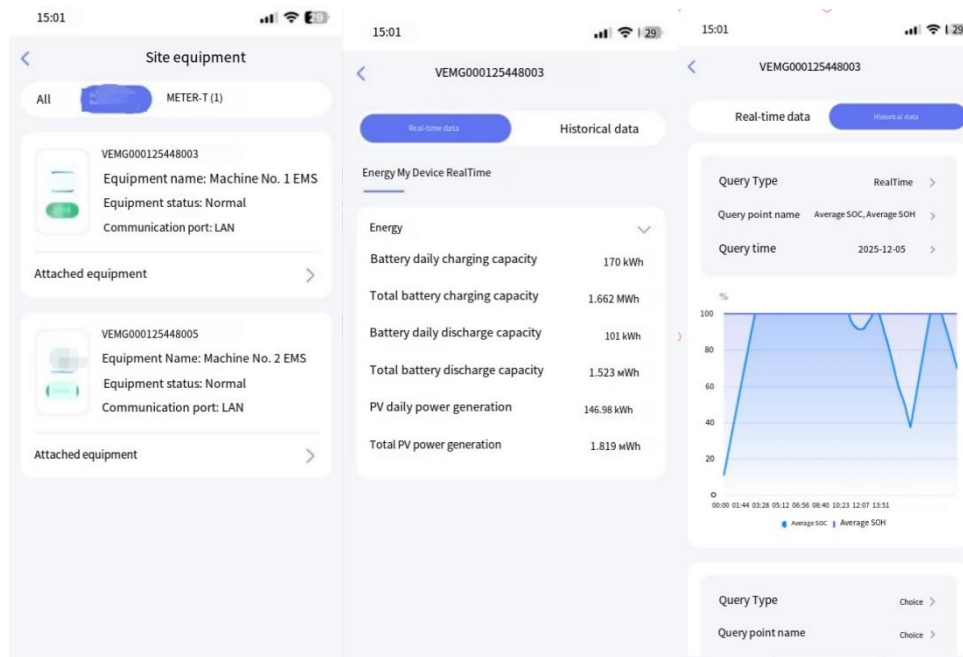


3.1.7 Site Devices

Tap **Site Devices** at the bottom of the power plant home page to view all bound devices.

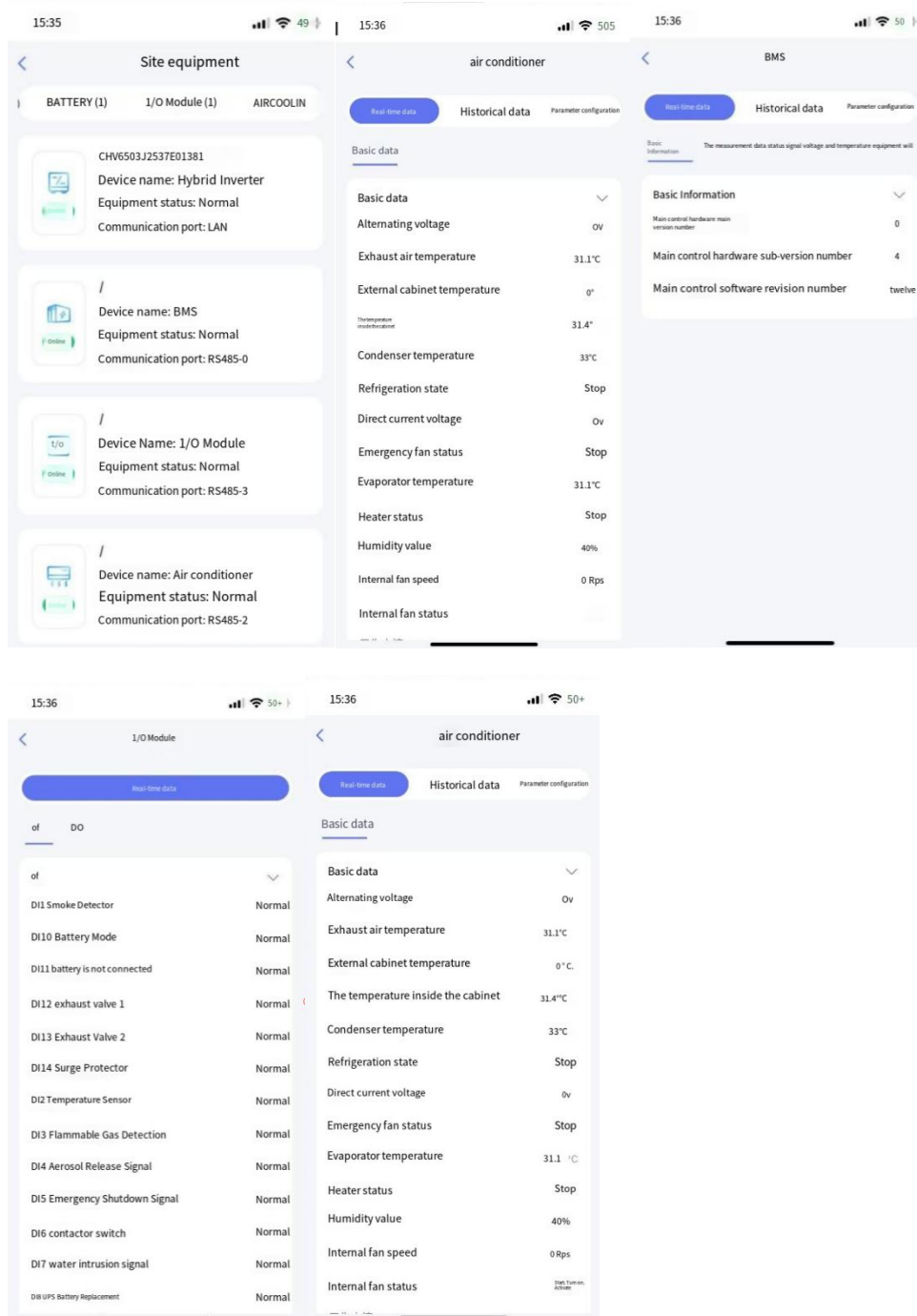
Tap a device to enter its detail page.

For EMS devices, both real-time data and historical data are available.



Devices Under EMS:

Tap sub-devices under the EMS to view data such as inverters, batteries, switch status, air conditioners, etc.



3.1.8 Site Strategy Settings

Tap **Site Strategy Settings** at the bottom of the power plant home page to enter the strategy configuration page.



Available strategies include:

Anti-backflow

Self-consumption

Grid priority

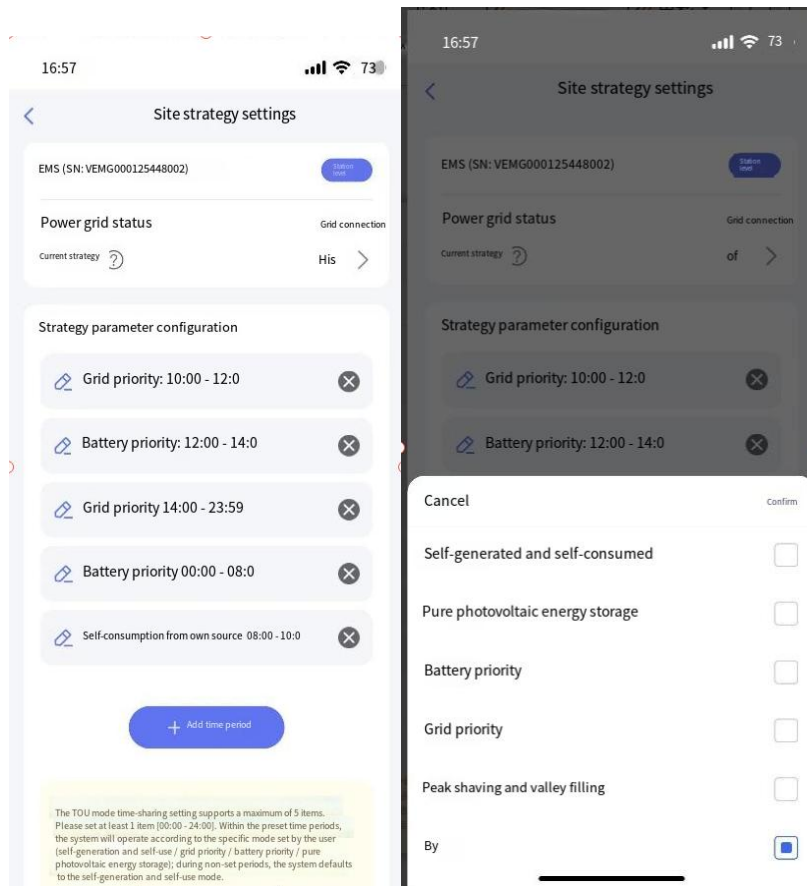
Battery priority

Peak shaving & valley filling

TOU mode

Inverter operation modes

Strategies can be configured by time periods after selecting the desired mode.

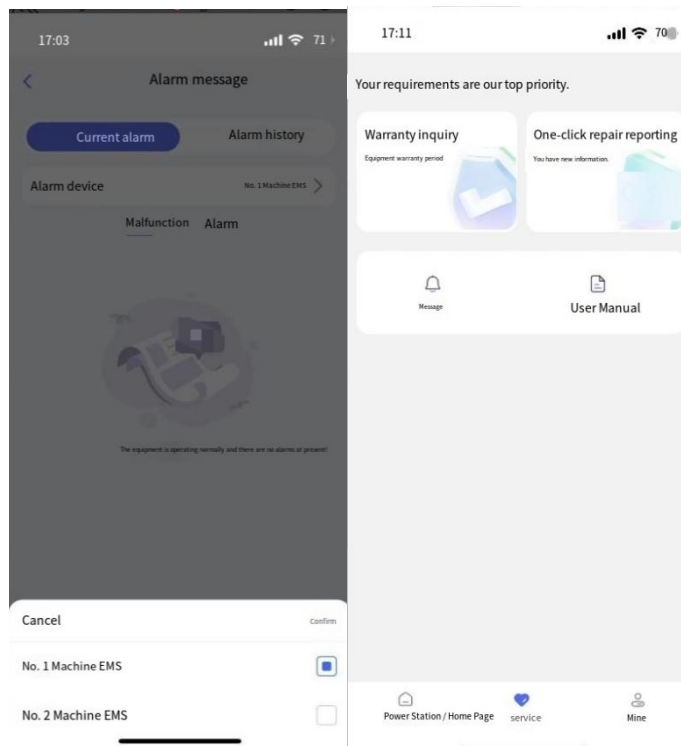


3.1.9 Alarm Information

Tap **Alarm Information** at the bottom of the power plant home page to enter the alarm page.

The alarm page includes **current alarms** and **historical alarms**.

Users can manually select different EMS devices to query alarm information.



3.1.10 Service Page

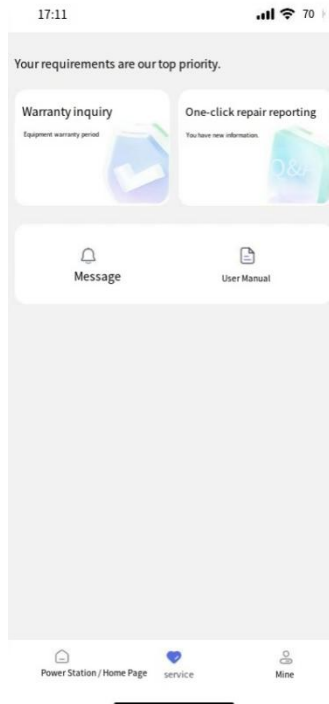
Tap the **Service** tab at the bottom of the APP to access:

Warranty inquiry

One-click repair request

Message notifications

User manual

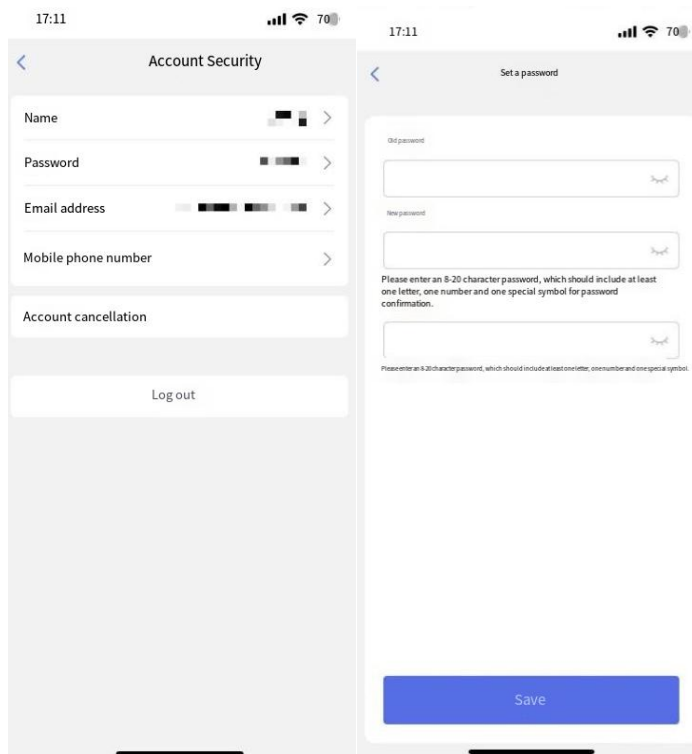


3.1.11 My Account

Tap **My Account** at the bottom of the APP.

1, **Account Information:**

Edit personal name, password, email, phone number, and perform account deactivation.



2, Share:

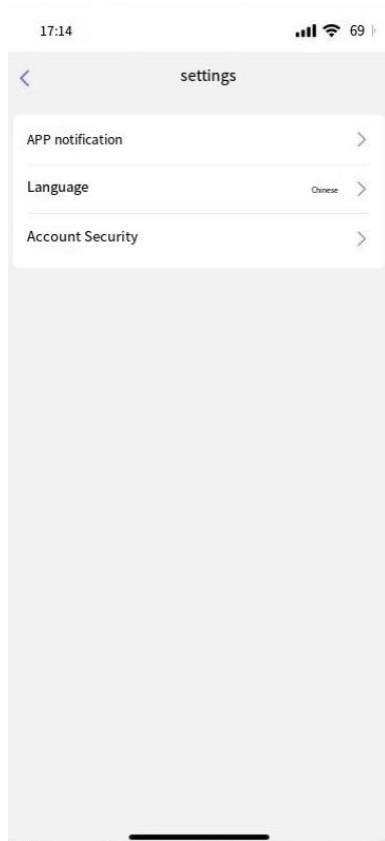
Automatically generate power plant QR codes and invitation codes to allow other users to join power plant management.





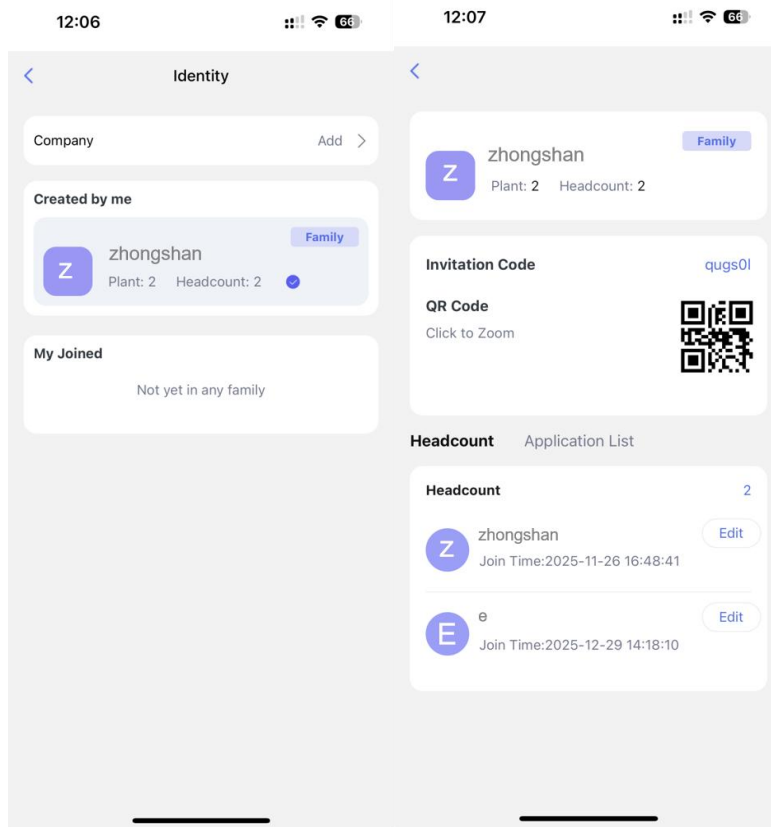
3, **System Settings:**

Support system language switching and account password modification.



4, **Identity Management:**

Manage permissions for members under the power plant.



5, About TCL iEnergy:

View version updates, terms & privacy policy, and system permission information.

