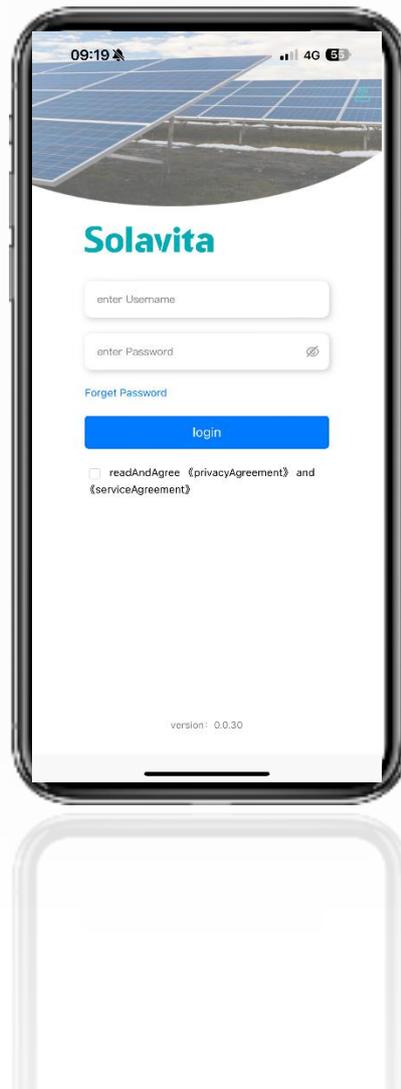


Solavita



Solavita Cloud(App)

User Manual

CATALOGUE

1. Product Description	1
1.1 Background	1
1.2 Overview	1
1.3 Features	1
2. Interface Description	2
2.1 Overview	2
2.2 Power Station List	2
2.3 Device List	2
2.4 Warning List	3
2.5 Mine	3
3. Function Description	4
3.1 Login	4
3.2 Homepage	5
3.3 Power Station List - Equipment List.	6
3.4 Warning	12
3.5 Mine	13

1. Product Description

1.1 Background

Based on the rapid development of the photovoltaic power generation industry and the increasing demand for monitoring and management of photovoltaic power stations. Through automated data collection, real-time monitoring, data analysis, and prediction functions, the photovoltaic data monitoring and operation platform can help improve the reliability, power generation efficiency, and safety of photovoltaic power plants.

1.2 Overview

The intelligent energy management system independently developed by Jiangsu Skyworth New Energy Technology Co., LTD. Mainly used for distributed household grid connection and distributed household energy storage systems. Real time monitoring of power generation, power, current, voltage, and other data of grid connected systems and energy storage systems; Through data analysis and intelligent algorithms, intelligent management of photovoltaic energy storage systems can be achieved, including revenue prediction, fault identification, and parameter optimization. A software system based on advanced network interconnection, utilizing the latest information technology to achieve efficient monitoring and status information analysis.

1.3 Features

- **Diversified platforms**

- **Mobile operating system**

It can seamlessly connect with Apple's iOS system, Android system, and other systems.

- **High efficiency**

It can effectively locate a certain equipment in a power station in a certain area through observation and analysis in a short period of time, and quickly inform management personnel for maintenance.

● **Safe and reliable**

Based on the WEB software system, the performance is stable and reliable. The data storage is distributed, avoiding the possibility of data leakage. Provide backup tools to protect system data security. The comprehensive password verification and login verification mechanism further enhances system security.

2. Interface Description

2.1 Overview

Through the overview function section, you can quickly obtain summary statistics of power station equipment, monitor the conversion status of the power station in real time, and facilitate you to view the current summary information, statistics, and power generation situation of the power station from a more macro perspective, thereby effectively promoting the improvement of power generation efficiency and data analysis of the power station.

2.2 Power Station List

The power plant list interface allows you to view the current status, daily power generation, and historical power generation of the power plant. Click to enter a specific power station to view the flow of power generation, the statistical chart of daily and historical power generation. View the daily earnings and cumulative earnings.

2.3 Device List

The devices list interface is an important component of the app, which provides the

function of managing and configuring photovoltaic power station equipment. You can view which power station the current device is under, and check the offline, online, and fault status of the device to better locate the specific location of the faulty device.

2.4 Warning List

In the Warning management interface, there are real-time alarm history alarms, which can summarize and display the alarm data information of the added power station equipment for management. It supports alarm query, alarm notification setting, alarm refresh setting, and alarm detail function operations. You can quickly obtain alarm information based on the alarm status and arrange processing.

2.5 Mine

On 'Mine' page, you can perform basic operations such as logging out, changing passwords, and viewing personal information. You can switch languages and manipulate time zones and date formats. Contact us to view company information, the company email is convenient for contact, and the app is shared and downloaded with the latest version.

3. Function Description

3.1 Login

Search for application name (solavita cloud) and download the app through the mobile shopping mall. Such as, Google play for Android, Apple store for Apple.

Before logging in using the account password on the login interface, you need to read and agree the agree agreement privacy.

As shown in the following figure:



Solavita



[Forget Password](#)

login

readAndAgree 《privacyAgreement》 and 《serviceAgreement》

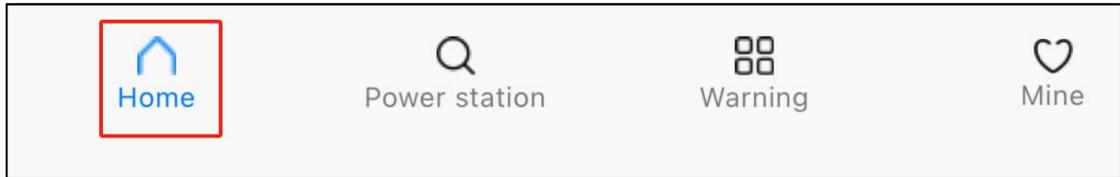
version: 0.0.30



When entering the account and password, please ensure that the capitalization is correct, otherwise an error message will appear.

3.2 Homepage

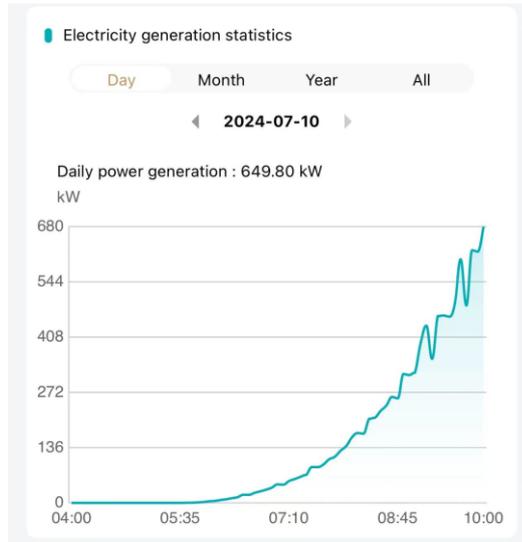
1) The first part you see after logging into your account is the home page



The homepage header displays the account's current power generation, generated output, cumulative power generation, daily power generation and abnormal status of the power station.



2) The following section is the statistics of power generation under this account, which can be based on clicking the above 'Day', 'Month', 'Year', and 'All' button to switch to the following chart display format: the current power generation situation, the current month's power generation situation, the current year's power generation situation, and the total power generation situation.

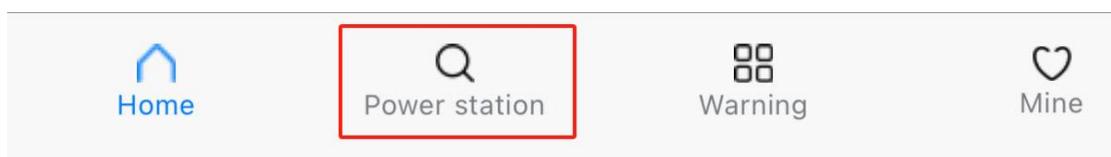


3) The last part is the display of energy conservation and emission reduction, which includes saving standard coal, reducing CO₂ emissions, and equivalent tree planting.

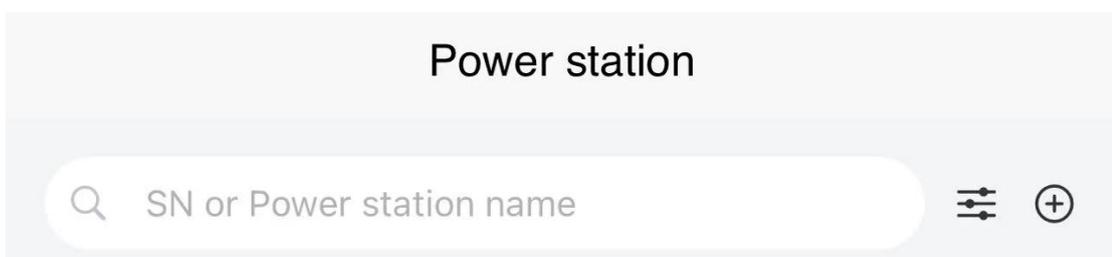


3.3 Power Station List - Equipment List.

Click on the 'Power station' below to enter the list of power stations.



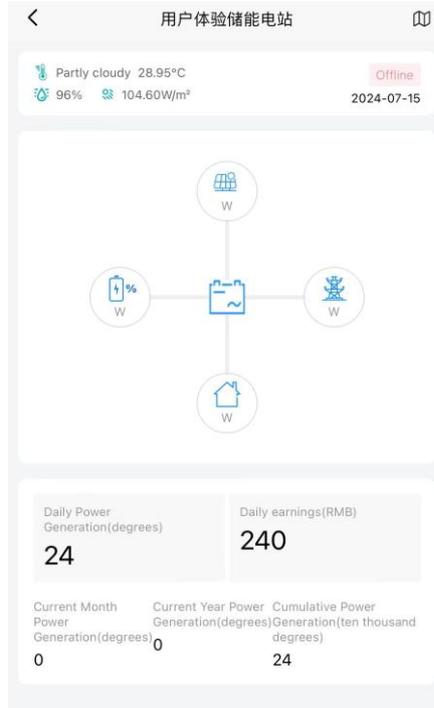
1) Search based on SN number of device or power station name to find specific power station information



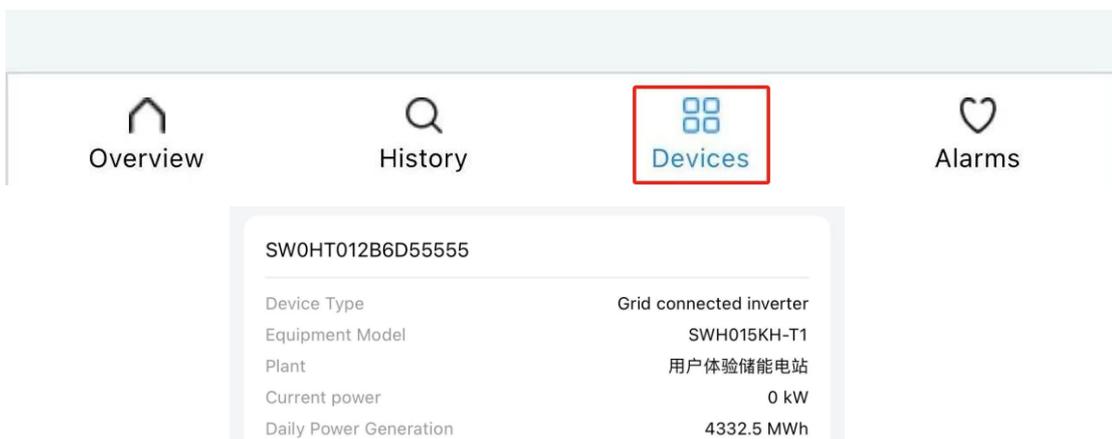
- 2) Display the list of power stations under the account: power station name, current power, daily power generation, rated power, power station address, and power station status. Click on a single power station card to enter the power station details page to view specific information.

Power Station	Device
<p>用户体验储能电站</p>  <p>Current power: 0 kW Daily Power Generation: 2117.3 kWh Rated Power: 15 kW</p> <p>江苏省苏州市吴中区郭巷街道保利置业独墅西岸花园2幢</p>	Breakdown
<p>用户体验并网电站</p>  <p>Current power: 28.69 kW Daily Power Generation: 47.9 kWh Rated Power: 50 kW</p> <p>江苏省苏州市虎丘区枫桥街道天籁花园二期</p>	Normal
<p>德国储能电站</p>  <p>Current power: 0 kW Daily Power Generation: 2090.4 kWh Rated Power: 15 kW</p>	Normal

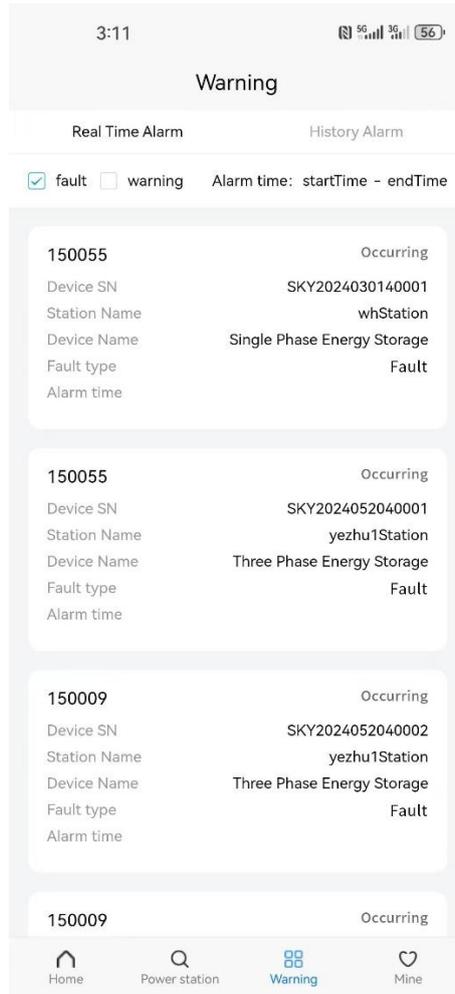
- 3) The power station details page displays the basic information of the current power station: current date, current weather, current status of the power station, power generation flow diagram and data, current day's power generation (kWh), current day's revenue, current month's power generation (kWh), current year's power generation (kWh), cumulative power generation (10,000 kWh). The difference between the data in the history interface and the overview data in the homepage is that the homepage displays all the power plant data under the current account, and this page displays the total daily, monthly, and annual power generation data under the current power plant.



- 4) Click on the device button to enter the device list under the power station. This page only contains information about all devices under the power station. This page displays contents such as device SN number, device type, device model, power station name, current power, and daily power generation.

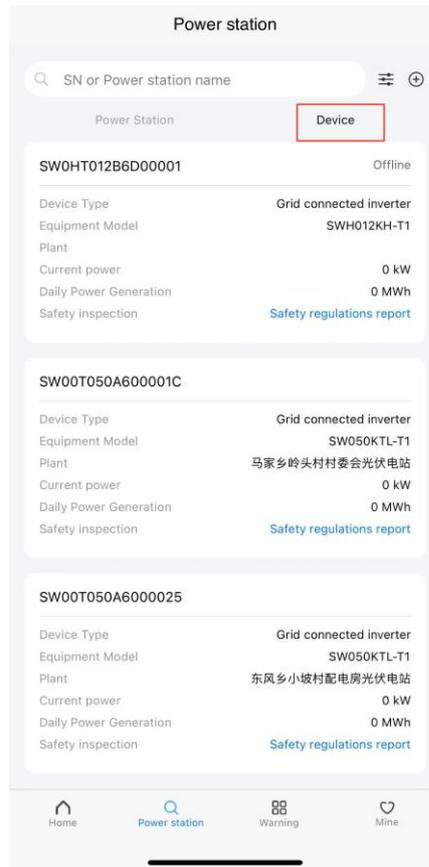


- 5) Click on the warning below to enter the alarm list under the power station. This page records real-time and historical alarms of the current power plant. Equipment inverters that can detect current faults or alarms based on search criteria. This page displays the fields: device SN, power station name, device name, fault type, occurrence time, repair status (repaired, not repaired).



Click on tab to switch to the device list

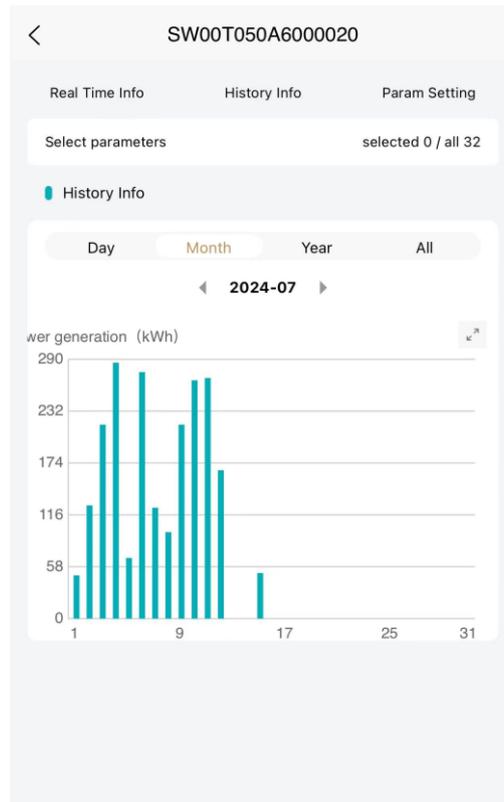
- This page displays: device SN number, device type, device status, equipment model, power station name, current power, and daily power generation. Click on one device card to enter the device details page, displaying the specific information of the device(real-time information, historical information).



- 7) Device - Real time information, which includes the last updated data of the device, including: device status, device name, device SN, device type, device model, firmware version, rated power, working mode, run time, inverter temperature, current power, daily power generation, cumulative power generation, DC parameters (voltage, current, power), AC parameters (voltage, current, frequency), battery parameters, battery status, battery model, battery power, battery voltage, battery current, battery temperature, SOH, SOC, charging current, discharging current, charging voltage, discharging voltage (The battery charging and discharging parameters are only applicable to the hybrid inverter).

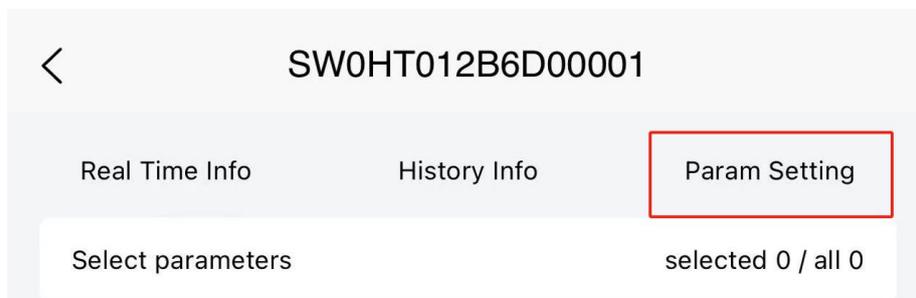
SW00T050A6000020			
Real Time Info	History Info	Param Setting	
Update Time	2024-07-15 10:51:33		
Basic Parameter			
device status	Normal		
Device Name	SW00T050A6000020		
Device Type	并网逆变器		
Equipment Model	SW050KTL-T1		
Rated Power	50 kW		
run time	--		
inverter temperature	51 °C		
Current power	13.58 kW		
Daily Power Generation	50.50 kWh		
Cumulative Power Generation	49.04 MWh		
Dc Parameter			
	Voltage(V)	Current(A)	Power(W)
PV1	458.1	8.1	3711
PV2	456.4	8.1	3697
PV3	408.7	6.4	2616
PV4	464.6	8	3717
Ac Parameter			
	Voltage(V)	Current(A)	Frequency(Hz)
R	240.2	19.8	49.97

8) Equipment - Historical information. This chart searches for past data based on days, months, and years, and can be viewed in landscape mode.



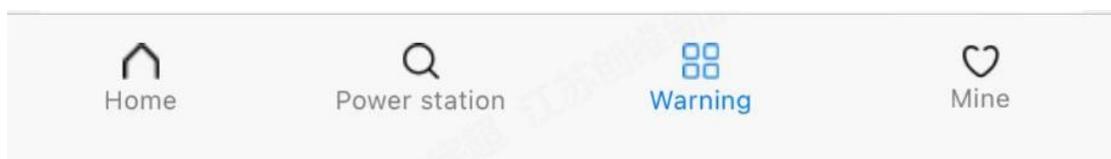
9) param Setting

This feature is only authorized by the installer. If you need to modify parameters, please contact your installer or Skyworth.

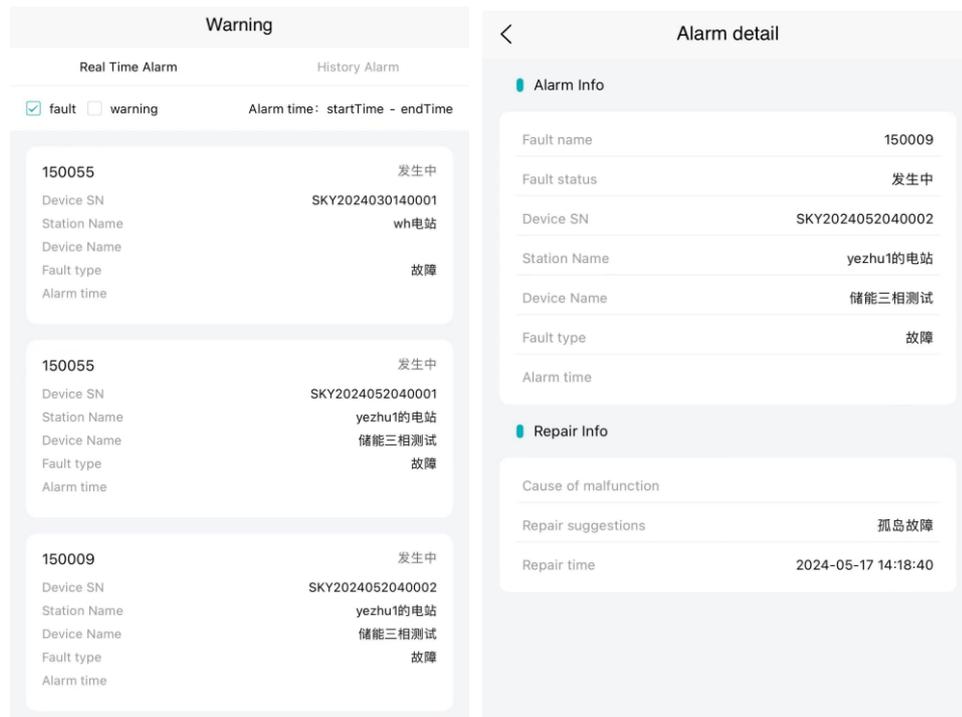


3.4 Warning

When entering the alarm page, you can see real-time alarm information for all power stations and equipment under the current account. Clicking on the historical alarm on the right side can view the details of previous alarm information status.



Real time alarm and historical alarm query all alarm information under the current account, which can be searched based on the fault status (fault, alarm) and generation time. It displays: device SN, power station name, device name, fault type, alarm time. Click on the fault information card to enter the alarm details page. The alarm details page mainly displays alarm information and repair information.



3.5 Mine

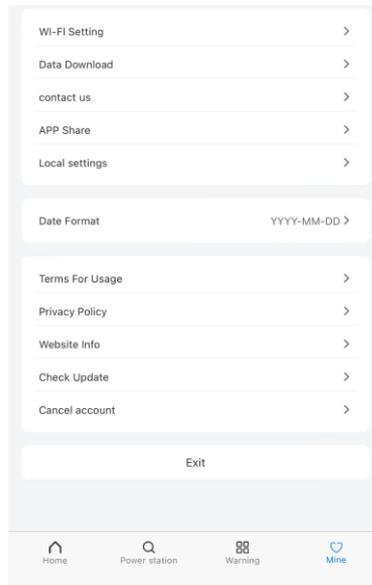
'Mine' displays some personal information: profile picture , name and email.

You can also modify your password on this page.

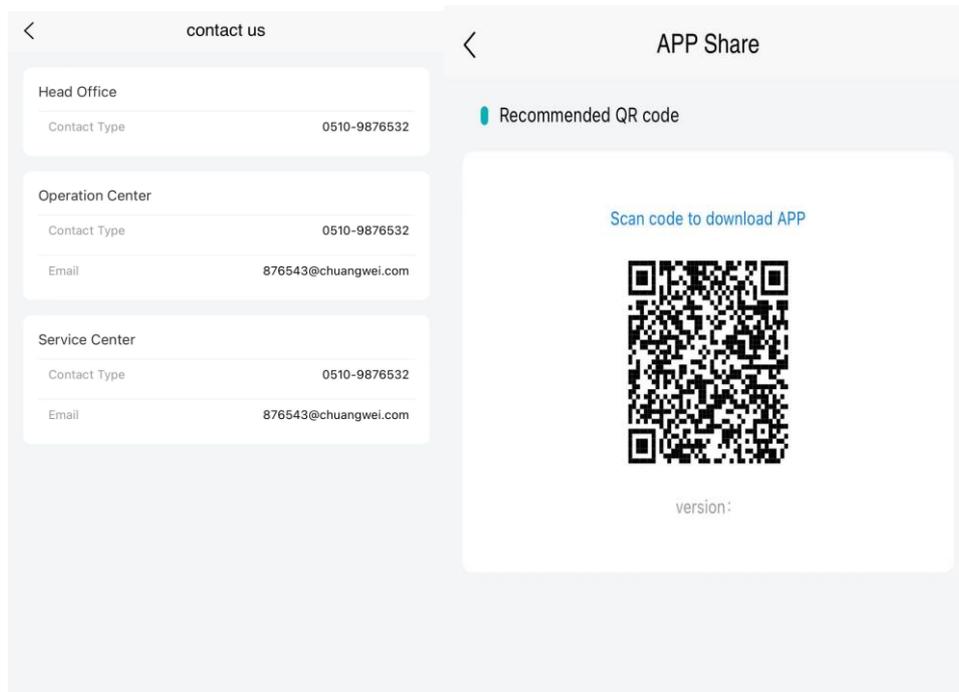


- 1) On this page, you can set the time zone, change the date format, switch languages, and other operations. Check the official website information,

check the app version, upgrade the app, and log out.



- 2) Click to contact us to view the contact information such as phone number and email address, click on the app share and then scan the QR code to download the latest version of the app.



Solavita

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