SOLARMAN Smart Web

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1 SOLARMAN Smart Web

SOLARMAN Smart Web Overview

SOLARMAN Smart is specially designed for distributed power station terminal owners. Through Web applications, it can provide more comprehensive and intuitive power station data monitoring, and create the ultimate user experience with extremely simplified product design thinking.

Have SOLARMAN Smart Account

• Experience account : In order to facilitate you to quickly experience the functions of SOLARMAN Smart,we have opened a customer experience account, and you can experience SOLARMAN Smart after communicating with the person in charge of business matching and entering the experience account and password.

Operation steps : Through SOLARMAN Smart Web, select "Login Method", enter the experience account and password to log in to SOLARMAN Smart. Currently, it supports mainstream browsers, and it is recommended that you use Chrome 58, Firefox 49, IE9 or above.

 Have SOLARMAN Smart Account : You need to register a new account on SOLARMAN Smart Web, and complete the account information according to the prompts. After successful registration, you can log in to SOLARMAN Smart. See Registration&Login for details

Business Section Introduction

My plant

Through the function module of my power station, you can quickly obtain the summary statistics of the equipment and power generation data of the terminal power station, monitor the transformation of the power station in real time, view and manage the data, equipment and authorization information of the power station, display the system layout in an intuitive picture, and ensure the daily operation and maintenance work through the alarm and export data of the power station, so as to effectively promote the improvement of the power generation efficiency and data analysis of the power station.

• Add a Logger | Overview |Layout | Device | Authorization | Alerts | Plant Details | Export | Plant Settings

Function

In order to meet the user's experience in using SOLARMAN Smart, the system can support the use of other service functions through the summary of function and application sections, including different functions and applications of Display and Message, to meet your convenient use in various scenarios.

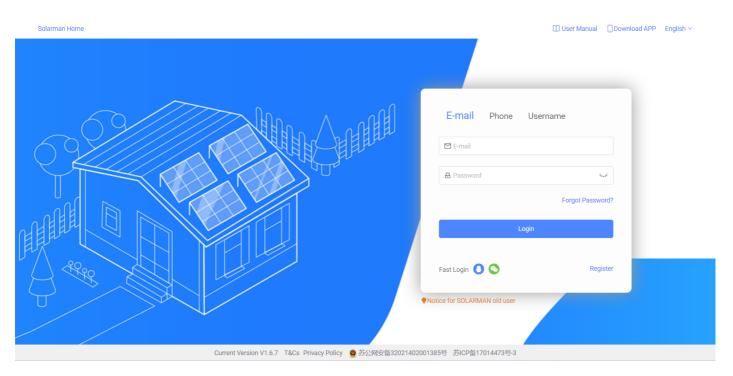
• Display | Message

During the use of SOLARMAN Smart, in order to improve the user's experience of using and operating, the basic function applications are configured, including the use instructions, message boxes, personal centers, software language switching and other basic functions to view and use. Through the use instructions, the SOLARMAN Smart Web function operations are understood. The message boxes summarize the message reminders for quick feedback. The personal centers meet the basic function settings, and the software language switching supports the use of multiple regions, So as to effectively improve the operation and management of terminal owners.

Common Operations | Personal Center

Business Scenario

When you use SOLARMAN Smart for the first time, you need to log in to SOLARMAN Smart Web after registering an account. If you already have an account or have registered through an app, you can directly enter your account and password to log in. If you have other doubts, you can view [Registered Account] and [Create a Plant] to complete the initialization steps.



Functional Overview

- **Register :** Click the [Register] button to display the account registration window. You need to improve the basic account information according to the prompts to complete the registration and use of SOLARMAN Smart account.
- Log in : After completing the account registration, in the subsequent login operation, you can choose three ways to log in, such as email login, mobile phone number login and username login, and enter the corresponding account number and password.Click the [Log in] button to enter SOLARMAN Smart.
- 1. Fast Login : If you already have a SOLARMAN Smart account, please log in directly on the login interface. In addition to the three default login methods, you can also log in using a third-party account [WeChat,

$\mathsf{Q}\mathsf{Q}$] , as shown in the figure:

	E-mail Phone Username E-mail E-mail Password Forgot Password? Login Fast Login Cogin Register Notice for SOLARMAN old user	
Current Version V1.6.7 T&Cs Privacy Policy @ 苏公网安备320214020013		

• Forgot Password? : When you sometimes forget your password, you can select and click the [Forgot Password] button on this page to display the corresponding window to complete password reset by sending a verification code through the mobile phone number or email at the time of registration, which will not affect your operation and use experience, as shown in the figure:

Solarman Home		🗍 User Manual 🛛 🗍 Download AF	PP English Y
Soumar Home	E-mail E-mail Password Confirm Password Confirm	sswitch >	τ ² Elgisti V
Current Version V1.6.7 T&Cs Privacy Policy 🥥 苏公网安备3202140	2001385号 苏ICP备17014473号-3		

Multilingual switching: In order to meet the needs of international users, SOLARMAN Smart Web supports a total of 14 languages, including simplified Chinese, English, Spanish, Portuguese, Polish, French, Korean, Vietnamese, Dutch, German, Swedish, Japanese, Slovenian and Czech. You can click the function in the upper right corner to select a language switch to meet the needs of users in different regions,

as shown in the figure:

Solarman Home	🛄 User Manual 🛛 🗍 Download APP	English 🗸
		简体中文
		English
		Español
		Português
	E-mail Phone Username	Polski
	🖾 E-mail	Français
		한국어
Password Forgot Password?		
		Deutsch
	Fast Login 💽 📀 Register	Čeština
	Notice for SOLARMAN old user	Slovenščina
Current Version V1.6.7 T&Cs Privacy Policy ● 苏公园安备320214020		

• **Download APP :** If you need the mobile terminal to use SOLARMAN Smart during the operation, you can select [Download APP] on the Web login page, and the page will display SOLARMAN Smart App download QR code. You can scan the mobile terminal to download and log in, as shown in the figure:

Solarman Home	🗍 User	Manual 🛄 Download APP English 🗸
	E-mail Phone Username ☑ E-mail @ Password	SOLARMAN Smart
	Login	
	Fast Login 🚺 🔇	Register
	Notice for SOLARMAN old user	
Current Version V1.6.7 T&Cs Privacy Policy 🤷 苏公网安备3202140	2001385号 苏ICP备17014473号-3	

• User Manual : When users use SOLARMAN Smart for the first time, they can select [User Manual] on the login page to display the corresponding Chinese and English function instructions. The system will recommend reading according to the region visited, view the corresponding documents as needed, and get

familiar with and understand the functions and applications of SOLARMAN Smart, as shown in the figure:

Solarman Home	🛄 User Manual 🛄 Download APP 🛛 English 🗸
	Recommended Reading し し し し し し し し し し し し し
	Fast Login 💽 🔇 Register
	Notice for SOLARMAN old user
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1.1.1 Registered Account

Registered Account

Step 1: Select a registered account

Enter SOLARMAN Smart Web login page, please click the registration button in the login page below to display

the registration account window.

Solarman Home	🛄 User Manual [Download APP English 🗸
	E-mail Phone Username E-mail Password Forgot Password?
REAL PROPERTY OF THE PROPERTY	Login Fast Login O C Register
Current Version V1.6.7 T&Cs Privacy Policy 🙆 苏公网安备320214(02001385号 苏ICP备17014473号-3

Step 2: Fill in the account information according to the prompts

In the account registration window, we currently support the use of mobile phone numbers (China, Brazil, the Netherlands, the United States, Nigeria and Saudi Arabia) or email accounts for account registration.

- 1. Use your mobile phone number or email account to verify your login account and complete password settings
- Please tick the box in front of T&Cs and Privacy Policy to indicate that you have read and agreed to the agreement

Solarman Home

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CD COCI III all all	Goomioaarar	Englion

	E-mail Phone
	🗹 E-mail
	A Password
	Confirm Password
	Verification Code Send
	I have read and agreed to T&Cs and Privacy Policy Register
	Login with existing account
Current Version V1.6.7 T&Cs Privacy Policy 🧕 苏公网安备320214020	01385号 苏CP备17014473号-3

Note: For account security, passwords should not be too simple. For example, continuous Arabic numerals "123456" or "AAAAA123" with the same character repeated many times will be prohibited.

Step 3: Complete account registration

After entering the mobile phone number or email verification code and checking the consent service and privacy agreement, click the [Register] button to complete the account registration of SOLARMAN Smart platform.

Solarman Home		🛄 User Manual 🛛 📋 Download A	PP English v
CONTRACTOR OF A CONTRACTOR OF	E-mail Phone		
Current Version V1.6.7 T&Cs Privacy Policy 🤷 苏公网安备320214020	001385号 苏ICP备17014473号-3		

Complete registration related

- 1. Create a Plant
- 2. Personal Center

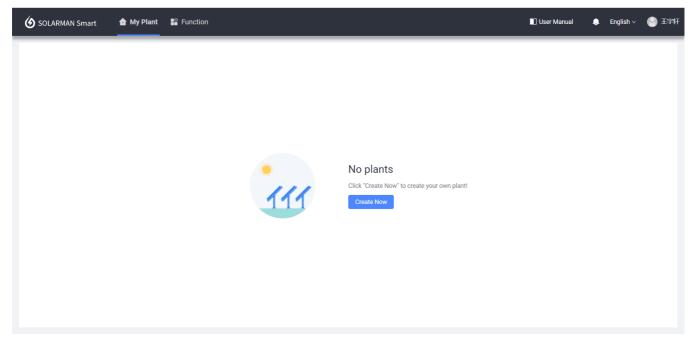
1.1.2 Create a Plant

Create a Plant

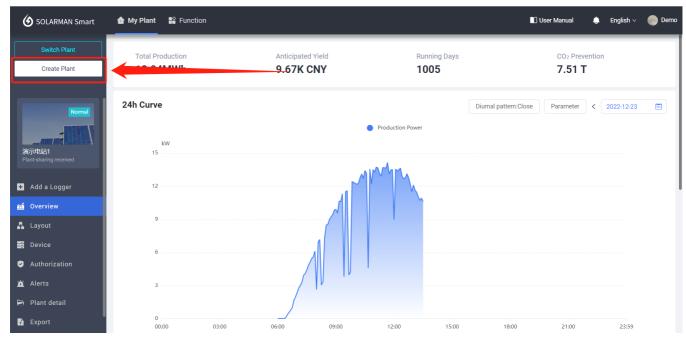
You can create a personal photovoltaic power station on SOLARMAN Smart platform to monitor the normal operation of the power station in real time. We will collect, count and calculate the power station data through the relevant equipment associated with the power station. At that time, you will be able to master the operation status of the power station through these data.

Step 1: Select Create a Plant

1. After logging in to SOLARMAN Smart Web platform, if you are a new user, you have not finished adding your own power station, you can click 【Create Now】 to start creating your own photovoltaic power station on the platform.



2. If you have created a power station and want to create a photovoltaic power station again, you can add it by clicking the [Create a Plant] button on the upper left corner of the main page.



Step 2: Enter Plant Details

1. Enter basic Info

Please complete the basic information of the power station according to the prompts: the name, location, area, address, longitude and latitude of the power station. The ones with asterisks are required, while the more complete the other information is, the better it is for you to manage the power station.

Create		Х
	Basic Info	T
Basic Info	* Plant Name:	
System Info	Please enter plant name Plant Location:	
Yield Info	Please enter plant address search Lig distr Asta Sta	
	+ Caardinata'	

Go to Location field and search, system will automatically fill in the details according to what you enter.

* Plant Location :

	清爱路 223 无锡市新安中学 中	
西道	中国传感 search	
	安徽省蚌埠市龙子湖区/中国(传感谷) ▲	*
	江苏省无锡市新吴区/中国传感网新园	
	江苏省无锡市新吴区/中国传感网国际创新园	i安实验小
净	江苏省无锡市新吴区/中国传感网国际创新园(西北门)	T IB
净慧西道	江苏省无锡市新吴区/中国传感网国际创新园G3	
	江苏省无锡市新吴区/中国传感网国际创新园G1	
	江苏省无锡市新吴区/中国传感网国际创新园G2	
	江苏省无锡市新吴区/中国传感网国际创新园F12 清源路 北洋清安科技团 亿利科创产业团 菱 湖 大	+ g

2. System Info

Please improve the system information of the power station according to the actual situation of the photovoltaic power station that needs to be created: power station type, grid connection type, installed capacity, and production date.

Create			×
Basic Info	System Info * Plant Type:	★ System Type ①:	
System Info	Residential Rooftop * Installed Capacity (Unit: kWp):	 Please select system type Operating Date ⁽): 	V
Yield Info	Installed Capacity	2022-12-23	

3. Yield Info

Please improve the income information according to the actual situation of the photovoltaic power station region. The more complete the information you enter, the better you can manage the power station. The currency unit in the income information will affect the system's income calculation. Please fill in after

confirmation.

* Plant Type: * System Type ①: icic Info Residential Rooftop Please select system type * Installed Capacity (Unit: kWp): * Operating Date ②: tem Info Installed Capacity 2022-12-23	ate			
* Installed Capacity (Unit: kWp): * Operating Date (): Installed Capacity 2022:12:23 Id Info * Vield Info * Currency: Unit Price(Unit: CNY/kWh) (): CNV Total Cost(Unit: CNY): Total Construction Cost		* Plant Type:	* System Type ①:	
tem Info Installed Capacity 2022-12-23	sic Info	Residential Rooftop	✓ Please select system type	~
d Info		* Installed Capacity (Unit: kWp):	* Operating Date ⑦:	
Currency: Unit Price(Unit: CNY/kWh) ③: CNY ✓ Unit Price Total Construction Cost		Installed Canacity	2022-12-23	
Total Construction Cost		■ Yield Info		
Total Construction Cost		Vield Info * Currency:	Unit Price(Unit: CNY/kWh) ③:	
		Vield Info * Currency:	Unit Price(Unit: CNY/kWh) ③:	
		Vield Info Currency: CNY	Unit Price(Unit: CNY/kWh) ③:	
		Vield Info CNY Total Cost(Unit: CNY):	Unit Price(Unit: CNY/kWh) ③:	

Step 3: Complete the creation

After completing the information of the power station, click the **[**Finish**]** button, and the successful creation window will be displayed on the page, indicating that you have successfully created your own photovoltaic power station, but the power station will not have any data temporarily, because you have not added any equipment to the power station, so there is no data source. You can select Add a Logger in the successful creation window **Note: If there is no collector for the time being, you can also select [Last]**, which can be operated in **Plant Details later.**

Create		Х
Basic Info System Info	 Plant Typ Plant Created Successfully Commerce * Installed 22.6 Add a Logger Logger can collect the data of related devices in the plant and upload to platform. Go to add 	
Yield Info	You can operate in "Plant Detail' later. Later Vou can operate in "Plant Detail' later. Later Unit Price(Unit: CNY/kWh) ③:	
	CNY Unit Price Total Cost(Unit: CNY): Total Construction Cost Finish Finish	

Finish creating related

1. My plant

2. Add a Logger

Learn about My plant

The My plant module is used to subdivide and manage the distributed power stations created by the terminal owner. It supports the use of different functional modules to meet the requirements of daily operation and maintenance. Among them, the collector is added to obtain real-time power station data monitoring, provide real-time data for power station data analysis and power station alarm, and support switching power stations to view the detailed data variables of multiple power stations, so that you can quickly understand the style of data charts and flow charts, Meet the Owner's data monitoring and analysis of photovoltaic power station.

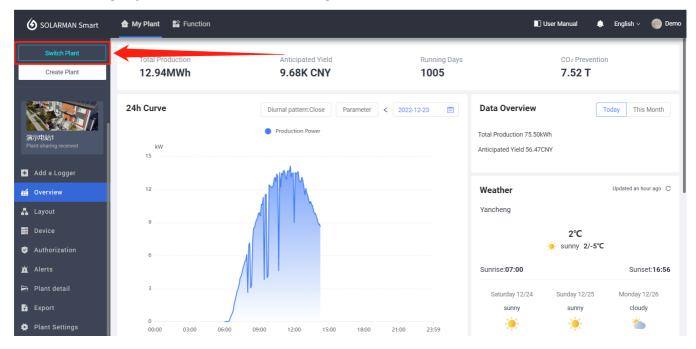
Business usage scenarios

- Terminal Owner : As the terminal owner, you need to know the power generation status and power station information of your own photovoltaic power station, and you can manage and maintain according to the summarized real-time power station data and weather forecast, so as to meet the needs of improving power generation efficiency and reducing equipment loss.
- 2. O&M Provider : As an O&M provider, it manages the photovoltaic power stations that have been created. It can view the detailed information of the company's power stations by switching power stations, including power station data, equipment information and power station alarms. Export data is used to facilitate statistics and analysis of the data of each photovoltaic power station.

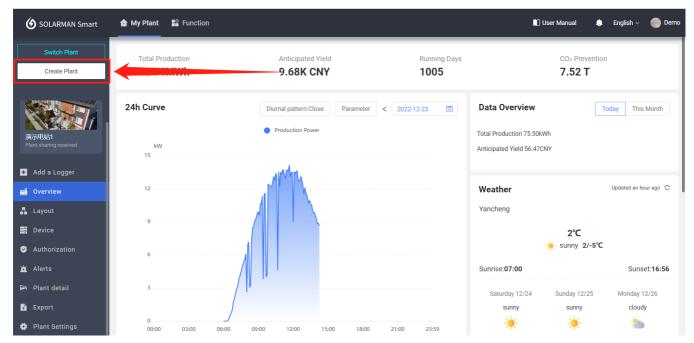
Functional Overview

SOLARMAN Smart	de My Plant ■ Function			🚺 User Manu	ial 🌲 English v 🔵 Demo
Switch Plant Create Plant	Total Production 12.94MWh	Anticipated Yield 9.68K CNY	Running Days 1005		Prevention 52 T
演示电站1 Plant-sharing received	24h Curve ^{kW} 15	Diurnal pattern:Close Parameter Production Power Production Power	< 2022-12-23 🛅	Data Overview Total Production 75.50kWh Anticipated Yield 56.47CNY	Today This Month
 Add a Logger Overview Layout 	9			Weather Yancheng	Updated an hour ago C
 Device Authorization Alerts 	6				"℃ ny 2/-5℃ Sunset:16:56
 Plant detail Export Plant Settings 	3 0 00:00 03:00 06	00 09:00 12:00 15:00 18:00	21:00 23:59		ay 12/25 Monday 12/26 unny cloudy •

- Functional module : Add a Logger | Overview |Layout | Device | Authorization | Alerts | Plant Details |
 Export | Plant Settings
- Switch Plant : If there are multiple power stations under the login account name, you can choose to click the [Switch Plant] button at the upper left corner, and the system will display the name, cover and status of the corresponding power station. You can click to display the detailed data of the corresponding power station according to your choice, as shown in the figure:



• **Create a Plant :** When the user needs to create a new power station, he can choose to click the 【Create a Plant】 button at the upper left corner. Please improve the basic information, system information and income information of the power station according to the prompts, and add a collector to complete the equipment access to obtain real-time data. See Create a Plant for details



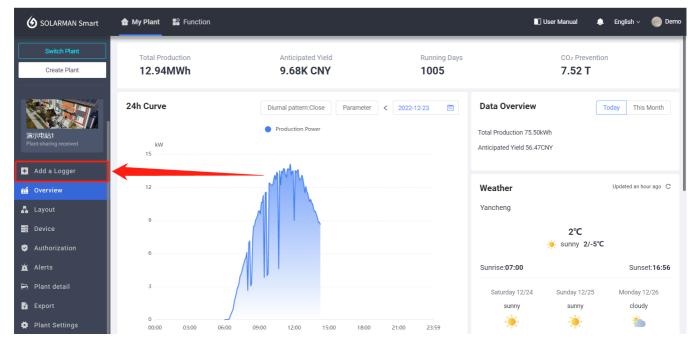
1.2.1 Add a Logger

After the plant is created, you can add a logger. Logger can collect running data from PV devices and upload to server, which enables a full understanding of PV plant running status and revenue information. Furthermore, SOLARMAN Smart will determine whether the plant is running normally, which avoid property losses caused by device failure and other reasons.

Operation guidance

Step 1: Select Add a Logger

- If you have created multiple photovoltaic power stations, please select the specific power station where you
 want to add equipment before adding a logger to avoid data confusion caused by adding equipment to the
 wrong power station and affecting your judgment on the operation of the power station.
- 2. Click the [Add a Logger] button after selecting the appropriate power station according to the guidance shown in the red box below.



Step 2: Enter Logger SN

On the "Add a Logger" page, please enter the serial number of the collector of the photovoltaic power station. SN can be found on the product box. If the product box has been lost, you can find SN on product body.

Add a Logger		Х
	SN: Please enter SN	

Step 3: Select the association method

When adding a collector, you need to select the association method of the equipment that is physically connected to the collector. The system will add the equipment to the power station according to the association method you select. You can select two association methods, Auto selection and Manual selection.

Note: Once the association method is selected, it cannot be changed. If there is no special requirement, it is recommended that you use the default "Auto selection"

Add a Logger	×	
SN: 6374839384738	Please select sub-device: Auto-selection >	
	Back to modify Added	

- 1. Automatically select the associated equipment. The default association method is "Auto selection". After using this method, the connected equipment under the collector will be automatically added to the power station, and the equipment data will be automatically synchronized to the power station.
- 2. Manually select the associated equipment If you select "Manual selection", you need to manually add the equipment that has been physically connected under the collector to the power station. If some equipment is still not connected to the collector or the collector communication is abnormal when adding, you can

manually add it again in the equipment information of the power station after the equipment works normally.

Add a Logger				×
SN: 6374839384738		Please select s	sub-device: Manual-selection >>	
0 item(s) selected Please select the sub-	device first before adding.			
Device Type	SN	COM Status	Updated	Connection Status
		No correlated devices found		
		Back to modify Adde	d	

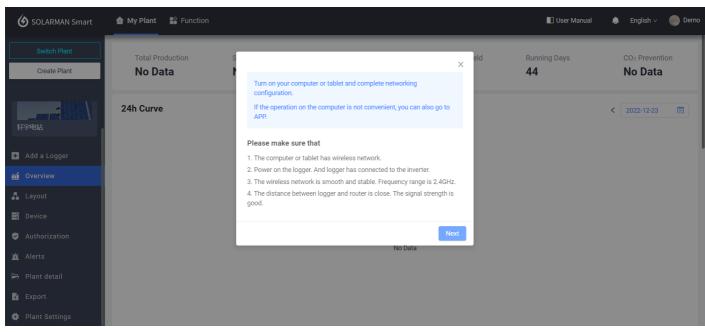
Step 4: Complete adding Logger

After the addition, you can see the data related to the gateway/collector in the [Device] module of the power station. If your device is not configured for collector networking or communication is abnormal, you can click [Start] to operate according to the guidance.

🙆 SOLARMAN Smart	★ My Plant Sunction		User Manual	🌲 English 🗸 🔵 Demo
Switch Plant Create Plant	Total Production No Data	×	Running Days 44	CO2 Prevention No Data
轩宇电站 Add a Logger M Overview Layout	24h Curve	Device Added Please follow the steps to complete the networking configuration. 1. Your device requires networking configuration. 2. If the networking configuration is not completed or the communication is not normal, please follow the steps here.		< 2022-12-23 🖻
 Device Authorization Alerts Plant detail 		Start No Data		
 Export Plant Settings Delete 				

Step 5: Logger networking configuration

Please check the following precautions for the collector networking configuration, click [Next] after confirmation, and complete the corresponding configuration according to the prompts.



1. Step 1 : Go to wireless network list and connect to "AP_123456". (123456 is logger SN.) The connection may require the password, you can find it on the package.

SOLARMAN Smart	My Plant Function		User Manual	🌲 English v 🔵 Demo
Switch Plant Create Plant	Total Production No Data	S Step 1 Go to wireless network list and connect to "AP_123456". (123456 is logger	Running Days 44	CO ₂ Prevention No Data
HTSTEMS Add a Logger Add a Logger Add a Logger Layout E Layout Device Authorization Attras	24h Curve	SN.) The connection may require the password, you can find it on the package.		< 2022-12-23 ☐
🄄 Plant detail		General Act-blue Secured		
幹 Plant Settings 💼 Delete		Back Next		

2. Step 2 : Open the browser and enter "10.10.100.254". When connecting AP network, authentication is required. (Default account and password are admin.)

(SOLARMAN Smart	A My Plant Sunction		User Manual	🌲 English 🗸 🔵 Demo
Switch Plant Create Plant	Total Production No Data	S Step 2 X Open the browser and enter "10.10.100.254". When connecting AP network,	Running Days 44	CO2 Prevention No Data
	24h Curve	authentication is required. (Default account and password are admin.) Windows Security × Microsoft Edge		< 2022-12-23 ■
+ Add a Logger		The server 10.10.100.254 is asking for your username and password.		
 Overview Layout 		That server also reports: "USER LOGIN". Warning: Your username and password will be sent using basic authentication on a connection that isn't secure.		
🚆 Device		admin		
 Authorization Alerts 				
Plant detail		OK Cancel		
 Export Plant Settings 		Back Next		
Delete				

3. Step 3 : After entering Web configuration page, please go to quick configuration/networking menu and follow the prompts to complete networking confuguration.

🕝 SOLARMAN Smart	★ My Plant Sunction		User Manual	🌲 English 🗸 🔵 Demo
Switch Plant Create Plant	Total Production No Data	Step 3 X After entering Web configuration page, please go to quick	Running Days 44	CO ₂ Prevention No Data
新学単始 Add a Logger Add a Logger Add a Logger Add a Logger Device Public Authorization	24h Curve	configuration/networking menu and follow the prompts to complete networking confuguration.		< 2022-12-23 III
 Altmonization Alerts Plant detail Export Plant Settings Delete 		Back		

4.After the online configuration of the collector is completed, it means that the collector has communication capability and can transmit the collected data of power station equipment to the server. At that time, you will be able to view the relevant data of the power station on the Web platform of Wheat Smart Power. Due to the network and server connection reasons, after the collector is configured, you need to wait 5-10 minutes to see the normal data display.

Logger related

- 1. Device
- 2. Overview

1.2.2 Overview

After the photovoltaic power station is created and connected to the collector, Select the "Overview" module to view the rich statistical data of the power station, including statistical information (total power generation, total grid connection, estimated total revenue, proportion of self use, total emission reduction, number of days of operation), recent data, 24-hour power curve, local weather, historical data, etc. You can also support the "Switch Plant" to view the display of data of different power stations to meet your browsing and management of power stations from different perspectives.

Matters needing attention

• According to the different photovoltaic power station equipment you use, we suggest that you select the grid connection type in [Create a Plant] :

* Plant Type:	∗ System Type ①:	
Residential Rooftop	✓ Please select system type	^
* Installed Capacity (Unit: kWp):	Please select system type	
Installed Capacity	All on Grid	
	Self-consumption	
	Storage System	
	Centralized	

- 1. If your device (e.g. inverter) only acquires production data and transmits data to grid, it is recommended that you choose "**All on Grid**" as your plant system type.
- 2. If your device (e.g. inverter) acquires production data and consumption data at the same time, it is recommended that you choose "**Self-consumption**" as your plant system type.
- 3. If your device (e.g. inverter) acquires production data, consumption data, battery data and grid data at the same time, it is recommended that you choose "**Storage System**" as your plant system type.

Plant Data



- Description of statistical terms :
- 1. Total Production : Total production generated from devices under the current plant.
- 2. Total Grid Feed-in : Total capacity fed into the grid.
- 3. Self-used Ratio : Proportion of current power generation used for household consumption
- 4. Anticipated Yield : Estimated income calculated based on current power generation or grid connection and current grid price and other information
- 5. Running Days : Total serving days.
- 6. CO₂ Prevention : Reduced CO2 emission since current plant went into service.
- **24h Curve** : The system displays the data variables of the power station within 24 hours in the form of a curve, in which the statistical parameters include power generation, power consumption, grid connected power and power purchase power. It supports the selection of day night mode and historical date to view the

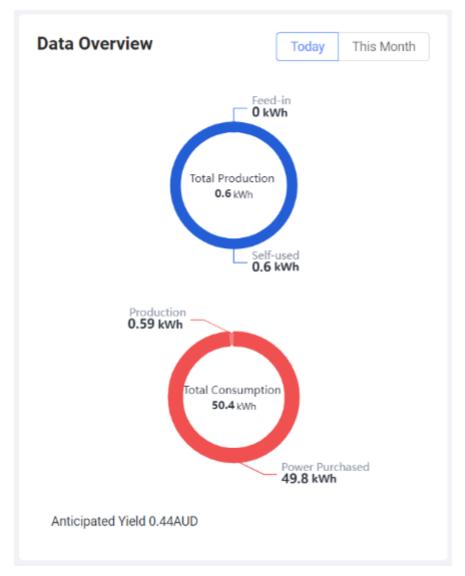
corresponding data records.



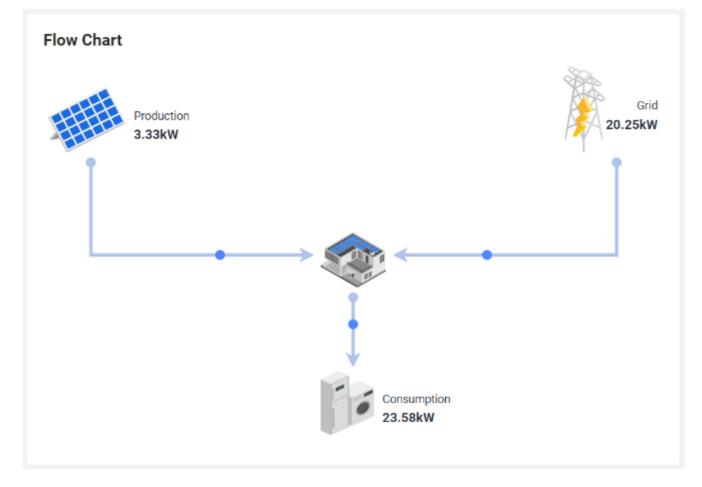
• **Data Overview**: The recent data changes of the power station are displayed through statistics of the power generation and power consumption data of the power station, so that users can more intuitively understand the summary and expected income of the power generation and power consumption of the photovoltaic power station, and support switching the data records of different dates [today] and [this



month



• Flow Chart : The style of flow chart is used to show clear power generation flow chart of photovoltaic power station to users, so that they can quickly understand the power generation status of the power station.



• Weather : The weather board today obtains the recent weather conditions of the region through the location of the photovoltaic power station and shows them to users for viewing and refreshing.



• **Historical Data** : The historical data is recorded and displayed according to the historical data of different periods of the photovoltaic power station. It is displayed in the form of data charts for your quick

understanding. It can support viewing the specific historical records of power generation data through month/year date filtering, and selecting different parameters for display.



Overview related

- 1. Create a Plant
- 2. Add a Logger

1.2.3 Layout

The Layout module is used to arrange and display the photovoltaic modules that have been connected to the system. The power generated by each photovoltaic module is displayed in different color values and line charts. The user can clearly and intuitively see the power generation status of the photovoltaic modules in the power station, and can support viewing the details of the modules and data records on different dates.

Functional Overview

小麦智电	✿ 我的电站	11 功能)	並用]使用说明		林文 ~	🔵 Den	10
切换电站																< 2022-11-01	= >	Η	月年	总	Ĩ
创建电站 C分空中面低 (Microinverte) 사망하다 Rain All on grid (Microinverte)	14W OW													Ă.	2022-11-01 17:55:00 发电功率:0.42kW 8						
©380八字电站 ■ 添加采集器 ゴ 电站数据		-9.96 W	-11-16- W	9.96 W	8.46 W	9.96 W	11.16 W	9.96 W	8.46 W	9.96 W	9.96 W	-11.18 W	10.16 W		6	Mh					
👖 系统布局		9.96 W	9.96 W	8.46 W	8.46 W	9.96 W	11,16 W	9.96 W	8.46 W	9.96 W	11.16 W	9.96 W	8.46 W		5						
 ■ 设备信息 ✓ 授权信息 		9,96 W	11.16 W	9.96 W	8.46 W	9.96 W	11.16 W	9.96 W	8.46 W	9.96 W	11.16 W	9.96 W	8.46 W		4						
直 电站报警▶ 电站资料		9.96 W	11.16 W	ŵ	9.96 W	11,16 W	8,46 W	9.96 W	8.46 W	9.96 W	11.16 W	9.96 W	8.46 W		3						
马出数据															2						
✿ 电站设置						*目前	1仅支持光信	大组件的显	显示					0 + -	0 0000 0300 0600	09:00 12:00	15:00	18:00	21:00	23:59	

• **Date selection :** When you need to view the generation power history records of different dates, you can select the date in the upper right corner, including day, month, year, total and specific dates. The system will display the generation power records of the corresponding PV modules according to your selection, as

shown in the figure:

		2022 ∨ 日月年 急
33kWh	Ă.	2022-10 发电量:934.80kWh ^{kWh}
XX		900
4	0 + -	0. 1 2 3 4 5 6 7 8 9 10 11 12
*目前仅支持光伏组件的显示		1 2 3 4 5 6 7 8 9 10 11 12

• **Component Details :** Select and click the photovoltaic modules in the array to jump to the corresponding details page, which supports viewing device data and connection information, as shown in the figure:

Q备数据 连接信息			
基础信息			
家列号: 900000032-1			
 			
直流电压: 26.5V	直流电流: 5.5A	直流输入总功率: 1	45.75W
累计发电量: 980kWh	当日发电量: 0.3kWh		
万史数据			
导出报表		昼夜模式关参数送	疑 < 2022-11-03
	直流电后	五 -○- 直流电流	
V			А
35			
30	h.M.		5
25			4
20			3
15			2
5			4

Layout related

- 1. Device
- 2. Layout

1.2.4 Device

In the Device module, you can view the information of the equipment under the power station, and support viewing the specific information of the equipment, including real-time parameters and some statistical charts. Through these data, you can determine whether the equipment is in normal working state. In addition, on this page, you can configure the electricity meter, select the associated equipment from the collector, and unbind the equipment.

Functional Overview

SOLARMAN Smart	📤 My Plant 📑 Fund	tion				🚺 User Manual	🔔 English 🗸	🔵 De
Switch Plant	Inverter Logger							
Create Plant	Device Name	Device Status	Production Power	Production-Today	Updated Time 🗘		Operation	
Normal King	18	Alert	12.43kW	22.50KWh	2022-12-26 09:50:29		Check	More V
Add a Logger Overview								
Layout Device Authorization								
Alerts Plant detail								
Export Plant Settings								
								1 recor

• **Check :** When you need to view the equipment information, you can select and click the **[**Check**]** button in the operation bar of the data list to jump to the details page of the corresponding equipment, including the equipment data and connection information, as shown in the figure:

Name	Device St	atus	Prod	uction Power	Production-Today	Updated Time 🌻			Operation	
	Alert		12.43	3kW	22.50kWh	2022-12-26 09:50:	29		Check	Mor
erINVERT	ER4001 👩 Alert 202	2-12-26 09:55:29								
vice Data	Architecture									
asic Inforn	nation									
1:	nation			Rated Power: 597.8kW						
ersion Info	ormation									
	er Version: V2.41.76			Software Vice Version: V2.41.76		HMI Version: V1.	15			
ograde Flag B	it: O									
ectricity G	Generation									
DC	Voltage	Current	Power			AC	Voltage	Current	Frequency	
PV1	483.30V	5.90A	2.85147kW			R	235.30V	7.30A	49.95Hz	
PV2	490.40V	5.20A	2.55008kW		DC/AC	s	234.20V	7.30A		
PV3	483.30V	5.90A	2.85147kW		—	т	234.90V	7.20A		
	490.40V	5.20A	2.55008kW							
PV4										
PV4	Downers 10 90kW			Total AC Output Power (Active): 12.34	kW	Peak Active Power	:: 12.43kW			
otal DC Input F	duction (Active): 13.15M			Daily Production (Active): 23.40kWh						

More: Select different device types, which are different in more operations. To perform more operations on the device data, you can select and click the [More] button in the data list operation bar. You can select [Edit], [Unbind], [Sub device Adding], [Meter configuration] and other functional operations, as shown in the figure:

Inverter Logger				
Device Name	Device Status	Updated Time 🗘	Operati	ion
	Online	2022-12-26 09:55:29	Che	
				Edit Unbind
				Sub-device Adding

1. Edit : Select and click the [Edit] button to edit and modify the device name

Inverter Logger		Device Name	×
Device Name	Device Status		^
	Online	Device Name : Within 20 characters	
			Cancel Confirm

- 1.2 My plant
 - 2. Unbind : Select and click the [Unbind] button to unbind the device

Inverter Logger						
Device Name	Device Status F	?	Sure to unbind device The device will be unbound with your plant. Please be cautious.	Updated Time \$	Operation	
10 and	Alert 1	2	Cancel	2022-12-26 10:05:29	Check	More ~

3. Sub-device Adding : At present, [Sub device Adding] only supports the operation of collector devices, and supports viewing the device information associated with the collector

Sub-device Adding		×
SN: 090000001	Please select sub-device: Auto-selection	

4. Meter configuration : When the selected device type is "Meter", click the "More" operation to display the

[Meter configuration] button, which supports adjustment and viewing of the configuration information of the electricity meter.

Inverter Logger	Meter					
Device Name	Device Status	Parent Device	Parent Device Status	Meter configuration	Updated Time 🗘	Operation
	Offline	Logger 0900000060	Offline	Configured	2022-12-12 20:21:26	Check More V
						Edit Unbind
						Meter configuration
Meter configuration						×
Weter configuration						~
Please configure the me	eter CT properties according to the mete	er installation.				
SN:METER003	Apply to					
6	 Single-phase System Three-phase System 					
CT1 CT2 CT3						
ст	Installation	Site	CT Dire	ction (Click arrow to switch)	Current Ratio (A/A)	
CT1+CT2+CT3	Grid		Energy Purchase Grid Feed-in	← 	1.00 / 1.00	= 1.00
			Cancel Save			

Device related

1. Add a Logger

- 1.2 My plant
 - 2. Authorization

1.2.5 Authorization

In the Authorization module, you can see the authorization information of the current power station, and support such functional operations as adding authorization, revoking authorization, and switching identities. Then, according to the classification of power station permissions, it can be roughly divided into two categories: power stations created by yourself and power stations authorized by others.

Authorization Classification

• 1、 Self created plant

Through the authorization steps on the following page, you can authorize the power station to some merchants who serve you, and the authorized merchants can view the data and operate the equipment of your power station.

The scope of authorization of the merchant depends on your identity:

(1) Give the merchant the identity of "Organizational Member", and the merchant can view all data of the power station

(2) The identity of the merchant is "Admin", and the merchant can view all data of the power station and operate the power station and its equipment

SOLARMAN Smart	★ My Plant Sunction			🚺 User Manual 🌲 English 🗸 🌘
Switch Plant	Authorized Business Units			Add incidence relativ
Create Plant	Business Name	Authorization info ③	Last modified time ≑	Operation
commissioning	Demo	Ordinary Member	2022-11-10 13:41:29	Switch Undo
er				
ion				
				1 record(s) < 1 > 10 / pag

• Add incidence relation : When your power station needs collaborative management, you can select the [Add incident relationship] button at the upper right corner to jump to the corresponding Plant

Authorization page. Please complete the authorization operation according to the process.

Authorized Business Units			Add incidence relation
Business Name	Authorization info	Last modified time 🗢	Operation
Demo	Ordinary Member	2022-11-10 13:41:29	Switch Undo

1. Please enter the name or keyword of the merchant

Plant Authorization		×
0	2 3	
	Please enter business name or key word first:	
	Search via business name or key word Search	

2. Select authorized merchants

Plant Authorization				×
0		2	3	
	LOGO	1060	LDGO	
	1060	LDGO	LOGO	
	LOGO	LDGO	LDGO	
		Back Confirm	914 record(s) < 1 2 3 4 5 ···· 2880 >	

3. Please assign the merchant authorization identity

Plant Authorization						
1		Assig	2 n a role		3	
		to a business unit, please assign the role first. Notice: The business unit will only be able t ther plants to the business unit. The business unit will continue to play the same role.	o check the co	itent or operate	the functions you have set.	
	Ŕ	Ordinary Member Ordinary members can check the production data, detailed information, alert infor mation and device information. But they cannot edit or set up the plant.		<u>2</u> \$	Admin In addition to having the functions of ordinary members, Admin can set up or ope rate the plant and device, but cannot delete the plant.	
		Back	Confirm			

• Switch : When you are the admin of the power station and want to adjust the identity of the authorized merchant, you can select the [Switch] button in the operation bar to jump to the identity switching page and support identity switching, as shown in the figure:

SOLARMAN Smart	📤 My Plant 📑 Func	stion		🚺 User Manual	🌲 English 🗸 🔵 Demo
witch Plant	Authorized Business Units	s			Add incidence relation
Flaint	Business Name	Authorization info	Last modified time ‡	Operation	
sioning	Demo	Ordinary Member	2022-11-10 13:41:29	Switch Undo	
e					×
		Assign business unit, please assign the role first, Notice: The business unit will only be able to or r plants to the business unit. The business unit will continue to play the same role.	a role	3	
	FQ3	Ordinary Member Ordinary members can check the production deta, detailed information, alert infor mation and device information. But they cannot edit or set up the plant.	Admin In addition to having the funct rate the plant and device, but	tions of ordinary members, Admin can set up or ope cannot delete the plant.	
		Conf	m		

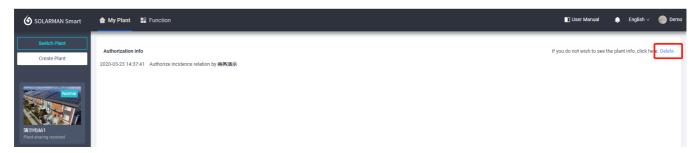
• Undo: If you need to cancel the authorized merchant, you can select the [Undo] button in the operation bar, and a prompt pop-up window will appear on the page. Select Confirm to cancel the authorization of the merchant, as shown in the figure:

SOLARMAN Smart	★ My Plant Sunction			🚺 User Manual	🌲 English 🗸 🛑 Demo
Switch Plant Create Plant	Authorized Business Units				Add incidence relation
	Business Name	Authorization info	Last modified time ≑	Operation	
Commissioning	Demo	Ordinary Member	2022-11-10 13:41:29	Switch Undo	
轩宇电站					
🕢 SOLARMAN Smart	My Plant 🔛 Function			🚺 User Manual	🌲 English 🗸 🔵 Demo
Switch Plant					1
Create Plant	Authorized Business Units	③ Sure to deauthorize with the bus	iness unit?		Add incidence relation
Create Plant	Authorized Business Units Business Name	Sure to deauthorize with the bus Atter that, the business unit will not t check any data of the plant.		Operation	Add incidence relation
Create Plant Commissioning		Authorization After that, the business unit will not b		Operation Switch Undo	Add incidence relation
	Business Name	Authorization After that, the business unit will not the check any data of the plant.	e able to time \$		Add incidence relation

• 2、 Merchant authorized plant

Currently, businesses are supported to authorize power stations to users, and users can view data and operate functions of power stations authorized by businesses, but only within the scope of permissions allowed by businesses.

If you don't want to pay attention to this power station, you can click [Delete] as shown in the figure below. Note: For the power station authorized by the merchant, the user can no longer authorize the power station to others



Authorization related

- 1. Alerts
- 2. Plant Details

1.2.6 Alerts

Select the Alerts module, and you can view all alarm information under the power station. The alarm information will distinguish the corresponding alarm level and influence range, so that you can quickly understand the importance of the alarm. Through these alarm messages, you can quickly locate whether the current power station is in a fault state, and help you deal with it in a timely manner to avoid property loss.

Functional Overview

SOLARMAN Smart	My Plant Sunction				User Manual 🌲 Engl	lish v
Switch Plant Create Plant	Device Type: All	✓ Importance: All ✓ Time: A	И			
	Alert Name Device	Importance	Range of Influence 🗢	Push Approach 🕸	Last Alert Time	Operation
Normal	Grid OF	Warning	Influence Production		2022-12-26 13:10:32	Check
	off-line	Warning	No influence		2022-12-25 18:19:27	Check
示电站1	Grid OF	Warning	Influence Production		2022-12-01 07:17:29	Check
ant-sharing received	off-line	Warning	No influence		2022-11-30 18:26:44	Check
Add a Logger	Grid OF	Warning	Influence Production		2022-11-01 07:21:24	Check
Overview	off-line	Warning	No influence		2022-10-31 18:19:50	Check
Layout	Grid OF	Warning	Influence Production		2022-10-01 07:43:54	Check
Device Authorization	off-line	Warning	No influence		2022-09-30 18:27:30	Check
Alerts	Grid OF	Warning	Influence Production		2022-09-01 07:47:50	Check
Plant detail	Grid OF	Warning	Influence Production		2022-08-01 07:43:03	Check
Export	off-line	Warning	No influence		2022-07-09 11:50:18	Check
Plant Settings	Grid OF	Warning	Influence Production		2022-07-01 07:57:58	Chec
	off-line	Warning	No influence		2022-06-17 14:21:21	Chec
	Grid OF	Warning	Influence Production		2022-06-01 07:57:33	Chec
				2) record(s) < 1 >	20 / page

• Alerts Filter : On the Alerts page, you can filter the data through the device type, alarm level and alarm time options, so that you can quickly query the corresponding alarm data information, as shown in the figure:

Device Type: All	✓ Importance: All ✓	Time: All v			
Alert Name	Device Importance	Range of Influence ≑	Push Approach 🏟	Last Alert Time	Operation
Grid OF	Warning	Influence Production		2022-12-26 13:10:32	Check
off-line	Warning	No influence		2022-12-25 18:19:27	Check
Grid OF	Warning	Influence Production		2022-12-01 07:17:29	Check
off-line	Warning	No influence		2022-11-30 18:26:44	Check

• **Check :** When you need to view the details of alarm information, you can select and click the **[**Check**]** button in the data list operation bar to jump to the corresponding alarm information details page, including alarm overview, problem description, causes and measures, time distribution, etc., as shown in the figure:

rt Name	Device	Importance				Range of Infl	uence ≑			Push Approach 🕸	Last Alert Tim	9	Operatio
d OF		Warning				Influence Pro	oduction) 🖬 🕤	2022-12-26 13	:10:32	Che
line		Warning				No influence				j 🔤 🔍	2022-12-25 18	:19:27	Che
d OF		Warning				Influence Pro	oduction			j 🖉 🔍	2022-12-01 07	:17:29	Che
line		Warning				No influence				E 🛛 🔍	2022-11-30 18	:26:44	Che
Problem Descript	ion						Reasons&Solut	ions					
Time Distribution												< 2022-1	12-26
00:00	02:00	04:00	06:00	08:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00 2	3:59	

Alerts related

- 1. Plant Details
- 2. Device

```
1.2 My plant
```

1.2.7 Plant Details

The Plant Details module is used to display the cover, basic information, system information and revenue information of the power station, so that users can quickly understand the information and management of the power station, and support the functional operation of replacing the cover picture of the power station and editing the information of the power station.

Functional Overview

SOLARMAN Smart	My Plant II: Function	•	🛾 User Manual	🌲 Engl	lish v 🔵 I	Demo
Switch Plant Create Plant Kommer Kommer Kitzeteht Ritzeteht Plant situaring received	Plant Cover	create date: 2020-05-06			Edit	
+ Add a Logger	create user:	Time Zone: (UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi				
📶 Overview	Administrative Area: China Jiangsu Yancheng Dafengqu	Address:				
👗 Layout	Coordinate: Longitude 120°30'26.46" Latitude 33°15' 36.9"					11
E Device						- I
Authorization	System Info					11
📺 Alerts	Plant Type: Residential Rooftop	System Type: All on Grid				11
🕒 Plant detail	Operating Date: 2020-03-23	Azimuth: -				
😭 Export	Installed Capacity: 14.7kWp	Angle of tilt: -				11
🖨 Plant Settings	Yield Info					
	Currency: CNY	Unit Price: 0.748CNY/kWh				11
	Total Cost: 0.00CNY					
						_

Change: When you need to replace the cover photo of the power station, you can choose to click the

 [Change] button, and the page will display the operation window. You can upload the corresponding
 picture to replace the cover photo of the power station, as shown in the figure:

电站封面	电站封面	×	病病
▲ 到换图片 基本信息 电站名称: (11)IGEN Plant-Industrial			
- 63日195(11)0C111 faileIndexinal 创建者: 南务演示 行政区域: Netherlands Utrecht Água Com 经纬度: 经度 4*48*47.07* 纬度 52*7*8.27*		-	淋,伯尔尼,罗马,斯德哥尔摩,维也纳
系统信息			
电站类型:工业用屋顶		并网类型:分布式自发自用余电上网	
投产日期: 2020-05-05		方位角:	
装机容量: 2000kWp		倾角:	
计划自发自用率:			

• Edit : If you want to adjust and maintain the information of the power station, you can click the [Edit] button at the upper right corner to jump to the editing power station page, which supports the modification of power station data, as shown in the figure:

Plant Cover	Edit
Change	
Basic Info	
Plant Name:	create date: 2020-05-06
create user:	Time Zone: (UTC+08:00) Beijing,Chongqing,Hong Kong,Urumqi
Administrative Area : China Jiangsu Yar	cheng Dafengqu Address
Coordinate: Longitude 120°30'26.46" La	atitude 33°15' 36.9°
E dia al ana	
Edit plant	
Basic Info	Basic Info
Dasie into	* Plant Name:
System Info	Plant Location:
	+ Train Education - 意志上-10
Yield Info	Please enter plant address search
	最单九编 ————————————————————————————————————
	A+H
	R9-8 APAG
	Coordinate:
	Longitude 120 * 30 · 26.46 * Latitude 33 * 15 · 36.90 *
	Administrative Area:
	China v Jiangsu v Yancheng v Dafengqu v
	Address: Time Zone:
I	(UTC+06.00) Beijing,Chongqing,Hong Kong,Urumqi 🗸

Plant Details

- 1. Export
- 2. Plant Settings
- 3. Overview

1.2.8 Export

In the Export module, you can export the summary data statistics of the power station, including "Plant Data" and "Device Data", and then select the export data type and time period to export the data statistics within the above time range for you, which is conducive to the analysis and management of power station data.

Functional Overview

SOLARMAN Smart	A My Plant E Function	User Manual	٠	English 🗸	🔵 Demo
Switch Plant Create Plant	Data Source Plant Data Device Data				
itoma itomi	Data Type Detailed Data Daily Statistics Monthly Statistics Yearly Statistics				
+ Add a Logger	2022-12-19 ~ 2022-12-26				
🗃 Overview					
👗 Layout	System is going to export the data. (Max. time span: 30 Days)				
E Device	Export Now				
Authorization					
📺 Alerts					
🖻 Plant detail					
🖹 Export					
🖨 Plant Settings					

• Export Now : After selecting the export data, export type and time period, you can select the [Export Now] button to export the selected parameters. The exported files can be downloaded, as shown in the figure:

Note: The export time period can export data for up to 30 days at a time

Data Source					
Plant Data	Device Data				
Data Type					
Detailed Data	Daily Statistics	Monthly Statistics	Yearly Statistics		
Please select time per 2022-12-19 ~		. 30 Days)			
Export Now					

Export related

- 1.2 My plant
 - 1. Plant Settings
 - 2. Overview

1.2.9 Plant Settings

In Plant Settings, you can modify and adjust the basic settings of the power station, including Calculation of Electric Energy, Data Source, Plant Authorization Restrictions, and Plant Non Working Time Setting. When you meet the preconditions for setting the power station, you can set the corresponding functions.

Prerequisite

Plant Settings can be performed when you meet any of the following conditions:

- (1) Plant is created through your current login account
- (2) The plant is obtained through the authorization of the vendor, and includes the authority to set the plant

Functional Overview

SOLARMAN Smart			📗 User Manual	🌲 English 🗸	Demo
Switch Plant Create Plant	Data Source	Plant Settings X			
	Plant Data Device Data	Calculation of Electric Energy Revise All Calculations			
	Data Type Detailed Data Daily Statistics Mon	Data Source Revise Manual Selection			
轩宇电站	Please select time period	Plant Non-Working Time Setting Revise Off			
 Add a Logger Overview 	2022-12-19 ~ 2022-12-26	Plant Authorization Restrictions Revise The restriction is turned on			
🗛 Layout 🖀 Device	System is going to export the data. (Max. time span: 30 Days)				
Authorization	Export Now				
📺 Alerts 🖻 Plant detail					
 Export Plant Settings 					
a Delete					

Calculation of Electric Energy: Select the [Revise] button of the electricity calculation method, you can
set the value rules of the production, consumption, grid feed in, energy purchased, charging energy, and
discharging energy of the power station. The default value rules selected by the system are "via
accumulated production uploaded by devices", and you can manually change them to "via daily production
summary", The system will no longer use the accumulated data uploaded by the equipment as the
benchmark, but use the data calculated by the platform instead.

Data calculated by the platform=sum of daily data uploaded by the device within the selected time period

For example, the cumulative power generation in the last 30 days=the power generation on June 1+the

power generation on June 2+...+the power generation on June 30

Plant Settings	×
Calculation of Electric Energy The calculation will influence anticipated yield, envi reasonable calculation according to actual situatio	
Calculation of Accumulated Production	
Based on device data via accumulated production uploaded by devices	Based on calculation via daily production summation
Calculation of Consumption	-
Based on device data via accumulated consumption uploaded by devices	Based on calculation via daily consumption summation
	Cancel Save

• Data Source : Select the [Revise] button of the Data Source, you can set the data sources of the current power station in four aspects: power generation, power grid, power consumption, and battery, so that the results of the system in the statistics of power station data can be more accurate and conform to the actual use of your system.

The setting mode of power station data source is Intelligent Selection by default. The system will select each data source according to the actual situation of your plant, and you can also make reasonable manual adjustment according to your actual situation.

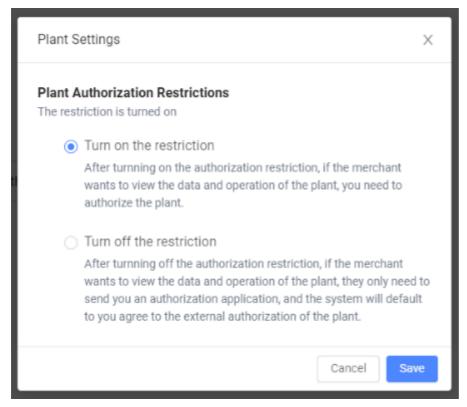
1.2 My plant

Plant Settings	×
Data Source Intelligent Selection System will select data source intelligently during the normal communication. Manual Selection Users can select data source of relative devices manually	
Current Settings Production Grid Consumption	None None
Plant Settings	Cancel Save
Manual Selection Intelligent Selection System will select data source intelligently during the normal communication. Manual Selection Users can select data source of relative devices manually	
Current Settings	

• Plant Authorization Restrictions : Select the [Revise] button of the power station authorization limit, you can limit the authority of the authorized merchants, support the "Turn on the restriction" and "Turn off the restriction" function operations, and you can select whether to restrict the authorization of the power station

•

as required.



Plant Non-Working Time Setting : In Plant Settings, when the system type of the plant is selected as "Self consumption", the option of "Plant Non Working Time Setting" will be displayed. Click the **[**Revise **]** button to set the Plant Non Working Time to ensure the accuracy of data analysis and calculation of photovoltaic plant power consumption and grid power rate, as shown in the figure:

'						
🙆 SOLARMAN Smart	My Plant S Function			User Manual	🌲 English 🗸	Demo
Switch Plant	Data Source	Plant Settings	×			
Create Plant	Plant Data Device Data					
Commissioning	Data Time	Calculation of Electric Energy All Calculations	Revise			
- 1111	Data Type Detailed Data Daily Statistics Mon	Data Source Manual Selection	Revise			
开宇电站		Plant Non-Working Time Setting	Revise			
🕂 Add a Logger	Please select time period	Plant Authorization Restrictions	Revise			
overview	2022-12-19 ~ 2022-12-26	The restriction is turned on	nenac			
🛔 Layout 📰 Device	System is going to export the data. (Max. time span: 30 Days)		_			
Authorization	Export Now					
📺 Alerts						
Plant detail Export						
Plant Settings						
			_			
Diana Camin						
Plant Settir	igs	X				
			1			
	Working Time Setting					
From sunset to	o sunrise					
	on this setting in the PV scenario, t	-				
	ment under the plant is not in worki no PV power is generated. This sett					
	t the plant with the system type of "					
	electric power or grid power throug					
the PV equip	ment does not work at night.					
O Off						
On						
Effective	Time: From sunset to sunris	ie v				
In order to	avoid errors, if no data is uploaded from t	the PV equipment under the				
	ir before sunset and 1 hour after sunrise, to working time.	the plant is also considered				
to be in nor	n-working time.					
	The time is according to the time zor	ne of the plant.				
(U1	C+08:00) Beijing,Chongqing,H					
		Cancel Save				

• Delete : If the power station is created through your currently logged in account, you can select the

[Delete] function, and the page will display a prompt pop-up window. Select confirm to delete the power

station.

🙆 SOLARMAN Smart	My Plant III Function	🚺 User Manual	🌲 English 🗸	- Demo
Switch Plant Create Plant Commissioning	Data Source Sure to delete the plant? × Plant Data Device Data After the deletion, you will not be able to check any data in the plant. Continue? Data Type Cancel Contimm			
Add a Logger Coverview Layout Device Authorization	Please select time period 2022-12-19 2022-12-20 System Is going to export the data. (Max. time span: 30 Days) Export Now			
 À Alerts ⇒ Plant detail Export ➡ Plant Settings ➡ Delete 				

Plant Settings related

- 1. Overview
- 2. Alerts
- 3. Plant Details

1.3 Function

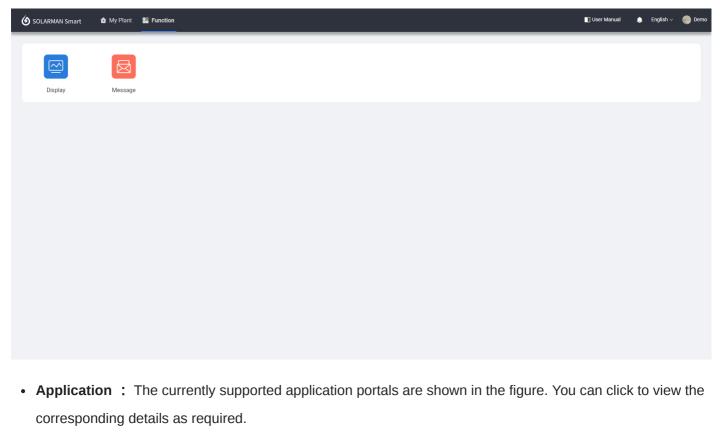
Understanding Function

The functional application section is based on the entrance of summarizing relevant functional applications of SOLARMAN Smart, providing optimized application solutions for operators and terminal owners. In this section, application services associated with the power station can be quickly used, including viewing and using applications such as large screen demonstration and message services, so that users can complete corresponding operations without jumping to other platforms, Ensure the application of functional services under various scenarios in the daily operation and maintenance management of the power station.

Business Scenario Description

In the process of using SOLARMAN Smart to manage the photovoltaic power station, the operator needs to understand or display the data of the power station owned by the enterprise more clearly and quickly. Therefore, the data can be analyzed and displayed with the help of the large screen demonstration service in the functional application section. The message service is based on the third-party service support needed in the daily operation and maintenance of the photovoltaic power station, and the convenient application of the terminal users can be realized through the functional application.

Functional Overview



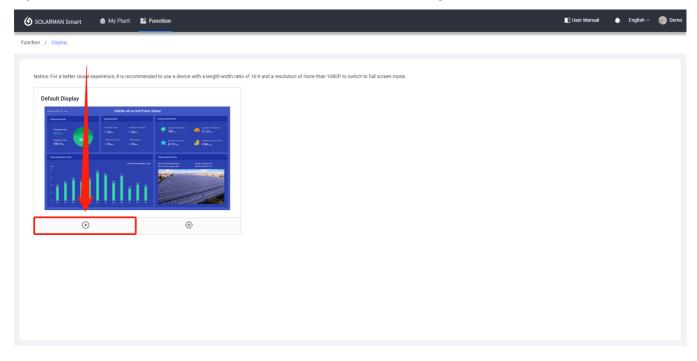
Display | Message

1.3.1 Display

The Display application is mainly used to help users quickly count and summarize the data of the power station, so as to facilitate viewing and use. At present, SOLARMAN Smart presets different types of large data screens for selection, and can also modify and adjust the name and logo of the display screen, which is convenient for external display and explanation while meeting the requirements of data statistics viewing.

Display Preview

On the large screen demo page, select and click the [Demo] button of the system preset large screen
 Note: In order to ensure a better visual experience, it is recommended that you use a device with an aspect ratio of 16:9 and a resolution above 1080P to view the large screen.



2. Select the power station you want to demonstrate in the pop-up window, and click [Start] of the corresponding power station

🌀 SOLARMAN Smart 🍵 My Plant 🔡 Function			🖺 User Manual 🌲 English 🗸 🔵 Demo
My Plant Function Function / Display Notice: For a better visual experience, it is recommended to use a device with a length-wite Default Display With a second	Select	X Start	Uuer Manual 🌒 English v 🌑 Demo
© ©			

 Start the large screen demonstration. You can display your power station data in full screen on the computer screen, LED large screen and other intelligent terminals through the large screen system preset by the system.



Display Settings

- 1.3 Function
 - 1. On the large screen demo page, select and click the [Settings] button of the system preset large screen

6	SOLARMAN Smart	🏠 My Plant	Function				🚺 User Manual	🔔 English 🗸	🔵 Demo
Functi	on / Display								
		experience, it is recor	mmended to use a device with a length-width ra	tio of 16:9 and a resolution of more than 1	080P to switch to full screen mode.				
	Default Display	Outload loss							
	۲		ම]					

- 2. At present, we support you to set the following content
- The skin color of the display is divided into "Tech Blue", "Cool Black" and "Classic White"
- · Display Logo: supports you to upload customized logos for display
- Display fields of the data statistics module: freely selectable from the fields provided by the system
- Display fields of energy conservation and emission reduction module: freely selectable from the fields provided by the system
- · Display fields of the trend chart module: freely selectable from the fields provided by the system

🌀 SOLARMAN Smart 🏠 My Plant 🔡 Function		🔲 User Manual	🌲 🛛 English 🗸	🔵 Demo
Function / Display	Set X			
Notice: For a better visual experience, it is recommended to use Default Display The set of the s	Skin Please select from the following skins Tech Blue Cool Black Classic White			
	Logo When the logo is not uploaded, nothing will not be displayed in the upper right corner. (Size: 290*50 pixels) 38°06'25.9°N 96°01'43.1°W 38.107203, 96.028500 Upload			
· · · · · · · · · · · · · · · · · · ·	Statistical Data Cancel Confirm			

Display related

1. Message

1.3.2 Message

The Message application is used to manage the message push service information of the photovoltaic power station. SOLARMAN Smart platform supports the push service of the alarm message of the power station. You can receive the alarm of the power station or equipment in a timely manner through email, mobile phone SMS, and telephone voice, so as to avoid the risk of damage or failure of photovoltaic property as much as possible.

Functional Overview

SOLARMAN Smart 🏠 My Plant 🞬 Function	🔳 User Manual 🌲 English 🗸 🔵 Demo
Function / Message	
Tips During the trial operation period, purchase of services are not supported temporarily.	
Remaining E-mail Free trail is available.	SMS Free trial is only available for the mobile number of China's mainland (+86).
Remaining: 497/Total: 500	Remaining: 250/Total: 250
Voice Call Free trial is only available for the mobile number of China's mainland (+86).	
Remaining: 50/Total: 50	

• Message Service Description :

- 1. The three message receiving methods of email, SMS and voice call belong to charging service
- 2. At present, the platform is in the trial operation stage, and each account can enjoy a certain number of free message services, specifically 500 emails, 250 SMS messages (only mobile phone numbers in Chinese Mainland are supported), and 50 voice calls (only mobile phone numbers in Chinese Mainland are supported), until they are used up
- 3. In the future, we will gradually open the purchase function of the message service package and support the global mobile phone number. Please wait

Message related

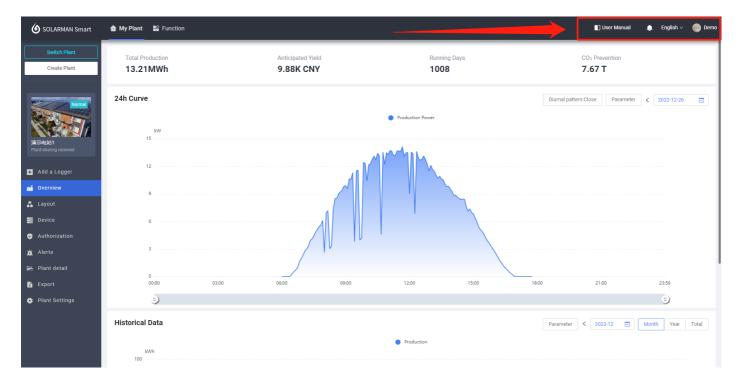
1. Display

Understanding Basic functions

Basic functions are the introduction and description of the basic function operations of SOLARMAN Smart platform, which is convenient for users to monitor the operation and maintenance business in daily life, including common operations and personal centers. Please check the corresponding function operation instructions according to the prompts to deepen the understanding and use of SOLARMAN Smart platform.

Business Scenario Description

- When you are using SOLARMAN Smart platform for the first time, you may have doubts about some functions and business operations. You can view the "instructions" in the basic function service. You can select Chinese and English versions of the instructions to view, so as to meet the user's operation in different scenarios.
- 2. If you need to view or adjust the personal login account information, you can select "Personal Center" to view the corresponding operating instructions of relevant functions, so that you can maintain and manage your personal information and basic settings.



Functional Overview

Common Operations | Personal Center

1.4.1 Common Operations

1、 User Manual

When users use SOLARMAN Smart for the first time, they can select [User Manual] on the login page to display the corresponding Chinese and English function instructions. The system will recommend reading according to the region visited, view the corresponding documents as needed, and get familiar with and understand the functions and applications of SOLARMAN Smart.

SOLARMAN Smart	★ My Plant Function		-			🚺 User Manual 🌲	English 🗸 🔵	Demo
Switch Plant Create Plant	Total Production 13.26MWh	Anticipated Yie 9.91K CN		Running Days 1009	Recommended Read			
Normal	24h Curve		Production P	ower	User Manual - 简	体中文 User Manual - En	glish	
演示电站1 Plant-sharing received	kW 15							
🛨 Add a Logger	12							
🗃 Overview	9							
E Device	6							
 Authorization Alerts 	3							
🖹 Plant detail	0							
🖹 Export	00:00	03:00 06:00	09:00 12:00	15:00	18:00	21:00	23:59	
🏟 Plant Settings	Ξ						=	
	Historical Data				Parameter <	2022-12 🗐 Month	Year Tota	l I
	kWh 100		Productio	n				

2、 Message Center

The icon of the message center is located at the top right of the overall page. The system will send a series of power station messages, alarm messages and system notifications to the message center. You can get the current message content by clicking the icon.

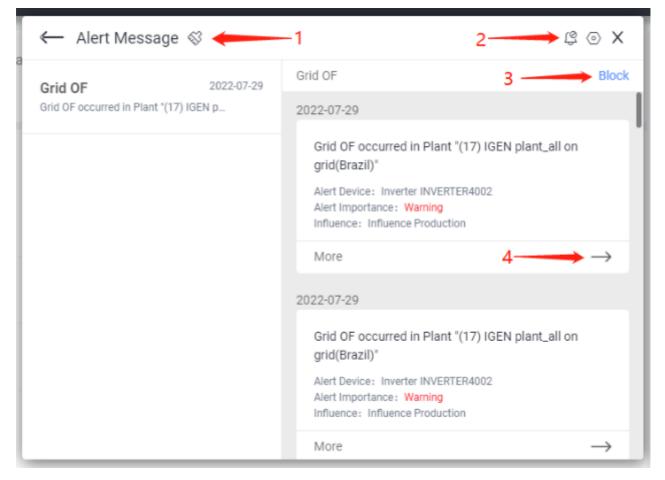
Note: At present, you will only receive alerts messages from the power station

🙆 SOLARMAN Smart	🚖 My Plant 📑 Function				English v 🔵 Demo
Switch Plant	Total Production	Anticipated Yield	Running Da	Message Center 🛇	⊚ ×
Create Plant	13.26MWh	9.91K CNY	1009	Alert Message 2022-07-29 Grid OF occurred in Plant "(17) IGEN p	
Normal	24h Curve				
演示电站1	kW 15		Production Power		-
Plant-sharing received	12		~// [~] ·····		
overview A Layout	9				
Bevice	6				
 Authorization Alerts 	3				
🖻 Plant detail	0				
🖹 Export	00:00	03:00 06:00 09:00	12:00	15:00 18:00	21:00 23:59
🏟 Plant Settings	Ξ				۲
	Historical Data			Param	eter < 2022-12 🔄 Month Year Total
	kWh 100		Production		

As shown in the figure below, after opening the alerts message in the message center, you can see the following interface:

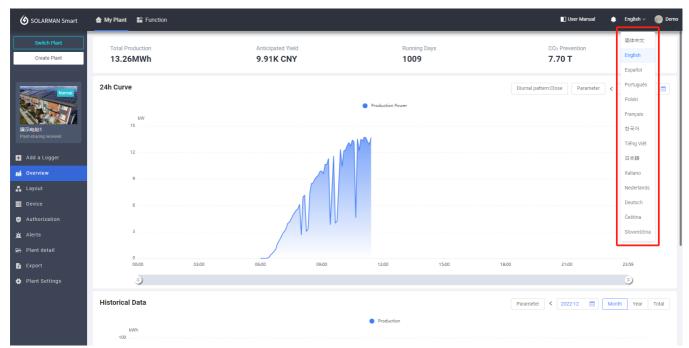
- 1. Click icon 1 to clear all unread messages and hide unread marks
- 2. Click icon 2 to enter the alarm shielding list, and you can recover the shielded alarm
- 3. Click icon 3, the alarm currently viewed will be masked or restored, and the masked alarm will not be pushed to you when it occurs again

- 1.4 Basic functions
 - 4. Click icon 4 to enter the alarm details interface



3、 Software language

To meet the needs of international users, SOLARMAN Smart supports a total of 13 languages, including simplified Chinese, English, Spanish, Portuguese, Polish, French, Korean, Vietnamese, Dutch, German, Swedish, Japanese and Czech. You can click the function in the upper right corner to select a language switch to meet the needs of users in different regions.



4、 Log out

When the mouse hovers over the account name in the upper right corner, the logout button will be displayed. Click to exit the currently logged in account.



1.4.2 Personal Center

1、 Me

When the mouse hovers over the account name in the upper right corner, the Me button can be displayed. Click

Enter to view the account information settings.

You can edit nicknames and avatars in this interface.

🙆 SOLARMAN Smart	My Plant If Function			🚺 User Manual 🌲 Engli	lish 🗸 🕚 Demo
Switch Plant Create Plant	Total Production 13.26MWh	Anticipated Yield 9.91K CNY	Running Days 1009	CO₂ Prevention 7.70 T	 ∧ Me
Romal Romal	24h Curve 15		Production Power	Diumal pattern:Close Parameter < 202	Contrat Co
Add a Logger	9				U Logout
← Personal Ce	inter				
Ме	Me				
Account Securi	Nickname: Demo				
Message General User Manual Feedback	Avatar: Change avatar Save				

2、 Account Security

Select and click the [Account Security] interface to support such functional operations as account password modification, account cancellation and account binding view, so that users can adjust and maintain account

information.

Account Security	
Account Password I have set account password	Edit
Account Cancellation	
System will delete all of your personal data after your account is cancelled.	Check
Account Binding BindUsername,E-mail	Unfold
	Account Password I have set account password Account Cancellation System will delete all of your personal data after your account is cancelled. Account Binding Account Binding

• Account Password : If you need to modify the login password of your account, you can click the [Edit] button in the figure below to operate.

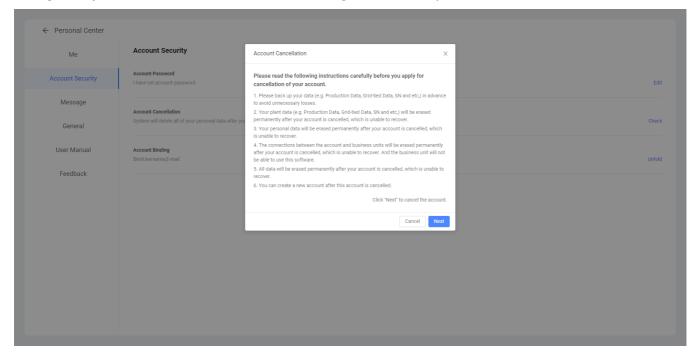
Me	Account Security	Modify password		×	
Account Security	Account Password I have set account password	Original password :	Please enter original password	h _{hee} t.	
Message		New password:	Please enter new password	h _{int} e	
General	Account Cancellation System will delete all of your personal data after your acco	Please confirm:	Please enter new password again	2 ₁₀₀ 4	
User Manual	Account Binding BindUsername,E-mail		Cancel		
Feedback					

• Account Cancellation : If you need to cancel your account, you can click the [Check] button in the figure below to operate. Please complete the account cancellation process according to the prompts.

← Personal Center		
Me	Account Security	
Account Security	Account Password I have set account password	Edit
Message	Account Cancellation	
General	System will delete all of your personal data after your account is cancelled.	Check
User Manual	Account Binding BindUsername.Email	Unfold
Feedback		

Step 1: Read the logout instructions

Please read the contents on the page carefully, confirm that you meet the conditions and agree to the Notice on Logout. If you confirm that the above Notice on Logout is correct, please click the [Next] button.



Step 2: Select the reason for logout

Please select the content matching you from the logout reasons given on the page according to your own situation and consideration.

If the reasons given do not match, you can manually enter the content after selecting [Others]

Note: If your account belongs to any company or enterprise in the merchant version, you cannot cancel it temporarily!

Me	Account Security	Account Cancellation		×	
Account Security	Account Password I have set account password	Please select your reason of cancellation here. O Phone Number/E-mail to unbound	 Wechat/QQ to unbound 		
Message	Account Cancellation	Create a new accout later This is a redundant account. Others	 The account is not created by myself No longer use this software. 		
General	System will delete all of your persor	U UIM3			
User Manual	Account Binding		Back	onfirm	
	BindUsername,E-mail				

Step 3: Verify mobile phone number/email

If your account has been bound to a mobile phone number or email address, you need to verify the verification code.

You can select any method to verify on the page. After successfully entering the verification code, please click the [Confirm] button.

Note: If your account is not bound to a mobile number or email address, skip this step.

	Account Security			
Me	Account Security	Account Cancellation	×	
Account Security	Account Password T have set account password	Please complete your identity verificatio	on via E-mail d******0@solarman.com	
Message		Verification Code	Send	
Wessage	Account Cancellation	Switch to Phone Number		
General	System will delete all of your personal data after you			
			Cancel Confirm	
User Manual	Account Binding			

Step 4: Final confirmation

Please carefully read the contents in the final confirmation pop-up window and carry out the final confirmation operation.

 Personal Center Me Account Security 		Account (Are you sure to apply for cancellation of your account? You are entitled to apply for cancellation of your	X	
Message General	I have set account password	100237 Switch to F	Cancel Confirm	Confirm	
User Manual Feedback	Account Binding BindErmail				

After submitting the cancellation application, the system review period is 7 days. During this period, you can go to this page again to withdraw your application within 7 days. If you do not withdraw your cancellation application within 7 days and there are no other exceptions to your account, the system will erase all data from the system by canceling your application and your account.

Me	Account Security	Account Cancellation ×	
Account Security	Account Password I have set account password		
Message	Account Cancellation		
General	System will delete all of your personal data after you		
		Please wait for the verification result.	
User Manual	Account Binding BindE-mail	You are entitled to apply for cancellation of your account. You can cancel the application within 7 days freely. Otherwise, system will delete your personal data after 7 days.	
Feedback		Commit Time: 2022-12-27 15:02:14 Verified Time: 2023-01-03 15:02:14	
		Withdraw	

• Account Binding : If you want to view the binding information of the current account, you can click the [Unfold] button, and the page will display the binding information of the account.

← Personal Center		
Account Security	Account Password I have set account password	Edit
Message General	Account Cancellation System will delete all of your personal data after your account is cancelled.	Check
User Manual	Account Binding BindUsername,E-mail	Fold
Feedback	Bind phone number Not bind	Bind
	Bind E-mail E-mail: d0@solarman.com	Edit
	Bind usemame Username bound: demo0	Edit
	Third party account Second Not Bind	Bind
	QQ Not Bind	Bind

3、 Message

Through the Message interface, you can set the alarm messages of the current account.

Me	Message	
	Alert Message Receiving Settings	F
Account Security	Notice: Alert message push is a paid service. Please go to "Function"-"Message" to check details.	Go →
Message	Alert Message	
General	System supports multiple receiving methods for alert message	
User Manual	Purchase E-mail Notification Users will receive a push notification from E-mail.	C
Feedback	Purchase SMS Notification Users will receive a push notification from SMS. Notice: The service only support the mobile number of China's mainland (+86).	C
	Purchase Voice Call Users will receive a voice call notification. Notice: The service only support the mobile number of China's mainland (+86).	C
	Alert Range Settings If the alert is not in the receiving range, it will be filtered.	
	Prompt Message Defailure Message	
	This kind of alerts occurs frequently, but it will not affect the This kind of alerts will happen, which is generally manifested as This kind of alerts frequency are low, which need to be	paid

• Alert Message : At present, SOLARMAN Smart Web can receive all alerts in the message box for free. The system also supports three other charging methods

Alert Mess System suppo		ultiple receiving metho	ds for alert message	
Purchase		E-mail Notification	Users will receive a push notification from E-mail.	
Purchase		SMS Notification	Users will receive a push notification from SMS. Notice: The service only support the mobile number of China's mainland (+86).	
Purchase	¢	Voice Call	Users will receive a voice call notification. Notice: The service only support the mobile number of China's mainland (+86).	

• Alert Range Settings : SOLARMAN platform will grade all device alarms. You can reasonably select the alarm receiving range according to the actual scenario. When an alarm outside the receiving range occurs, the system will not send you a notification. You can avoid frequently receiving unimportant alarm messages through this device.

Alert Range Settings If the alert is not in the receiving range, it will be filtered.		
Prompt Message	Warning Message	Failure Message
This kind of alerts occurs frequently, but it will not affect the normal operation of power plant.	This kind of alerts will happen, which is generally manifested as abnormal data in a short period.	This kind of alerts frequency are low, which need to be paid special attention to.

• Alert Frequency Settings : When the photovoltaic equipment works normally, the working data will periodically send data to the server of the SOLARMAN platform according to a certain frequency. After receiving the data, the SOLARMAN platform will display it to you in different forms on various pages. Here, the "Alert Frequency Settings" will affect the alarm messages you receive through certain rules. The purpose is to support you to appropriately reduce the disturbance caused by equipment false alarm through reasonable alarm frequency setting.

Alert Frequency Settings Reasonable alert frequency settings can properly reduce the disturbance caused by false alert.							
Current Setting: Alerts will be received after 1 trigger times	Not	te: The acquisition period of alert information is about 5-10 minutes.					
Trigger Times: 1	Trigger Times: 2	Trigger Times: 3					
Trigger Times: 4	Trigger Times: 5						

4、 General

When you select to click the [General] interface, you can set the temperature unit and multi language in this interface.

Me Ceneral Account Security Temperature Unit Selected: Celsius (°C) Message Temperature Unit Selected: English General Selected: English User Manual Fedback	\leftarrow Personal Center		
Account Security Selected: Celsius (°C) Language Selected: English User Manual	Me	General	
Language General Selected: English User Manual	Account Security		
User Manual	Message	Language	
	General	Selected: English	
Feedback	User Manual		
	Feedback		

5、Online Service

When the mouse hovers over the account name in the upper right corner, the online customer service button can be displayed. Click to enter and directly contact SOLARMAN online customer service.

Customer service online time: 09:00-11:30 a.m., 12:30-18:00 p.m. If the customer service is not online, you can leave a message directly, and the customer service will reply to you as soon as it is online.

SOLARMAN Smart	My Plant Function			🚺 User Manual 🌲 En	glish v 🔵 Demo
Switch Plant Create Plant	Total Production 13.29MWh	Anticipated Vield 9.94K CNY	Running Days 1009	CO2 Prevention 7.72 T	오 Me ⊕ Account
Normal	24h Curve		Production Power	Diurnal pattern Close Parameter < 202	 ⊙ General ↓ Message ✓ Feedback
演示电站1 Plant-sharing received	kW 15		www.		 Online Service User Manual
➡ Add a Logger Moverview	12				Ů Logout
🗛 Layout	9				
DeviceAuthorization	6				