

Solinteg Monitoring Platform Introduction

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www.solinteg.com

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CONTENT



Overview



Solinteg Cloud



IntegHub App



01 Overview

SOULINTEG

Solinteg Monitoring Solutions

Solinteg Cloud



Solinteg Cloud is Solinteg's self-developed official monitoring platform for end-users and distributors to monitor and manage their devices and plants. It features rich functions such as 24-hour load monitoring and devices and plants management, remote configuration and upgrading, organization management, alarms information, etc.

PORTAL.SOLINTEG-CLOUD.COM

IntegHub



IntegHub has the portable version of the platform, allowing people to install it on their phones for monitoring and management of their devices and plants anytime, anywhere.



Solinteg Monitoring Features

24 Hours
Load monitoring

Pre-set
Work Modes

Data Report
Plant & Device

WiFi
Configuration

Remote
Upgrade

CT & Meter
Detection

Parameter Report
Check & Export

Alarm
Management
Reminder and solution

Vivid Energy Flow

Organization
Management

Parameter
Configuration

Feedback Function

Internal Account
& Scope Limit

Authority of Different Accounts

Function	Definition	Owner	Distributor				Demo
			Organization	Administrator	O&M	Visitor	
Plants							
	An overview display of production, revenue, plant status, plant list and searching	●	●	●	●	●	●
	Manage all plants under this account, including add plant, delete plant and edit information of plant.	●	●	●	✘	○	○
	Device management of each plant under this account	●	●	●	●	○	○
Devices							
	Devices list and searching	●	●	●	●	●	●
	Manage all devices under this account, including add devices, delete devices and edit information of devices.	●	●	●	●	○	○
Devices List	Parameter settings and download	●	●	●	●	○	✘
	Device log	●	●	●	●	●	✘
	Export professional parameters and create template for viewing	✘	●	●	●	○	○
Firmware Upgrade	Upgrade history list and searching	✘	●	●	●	●	●
	Device latest firmware upgrade	✘	●	●	●	✘	✘

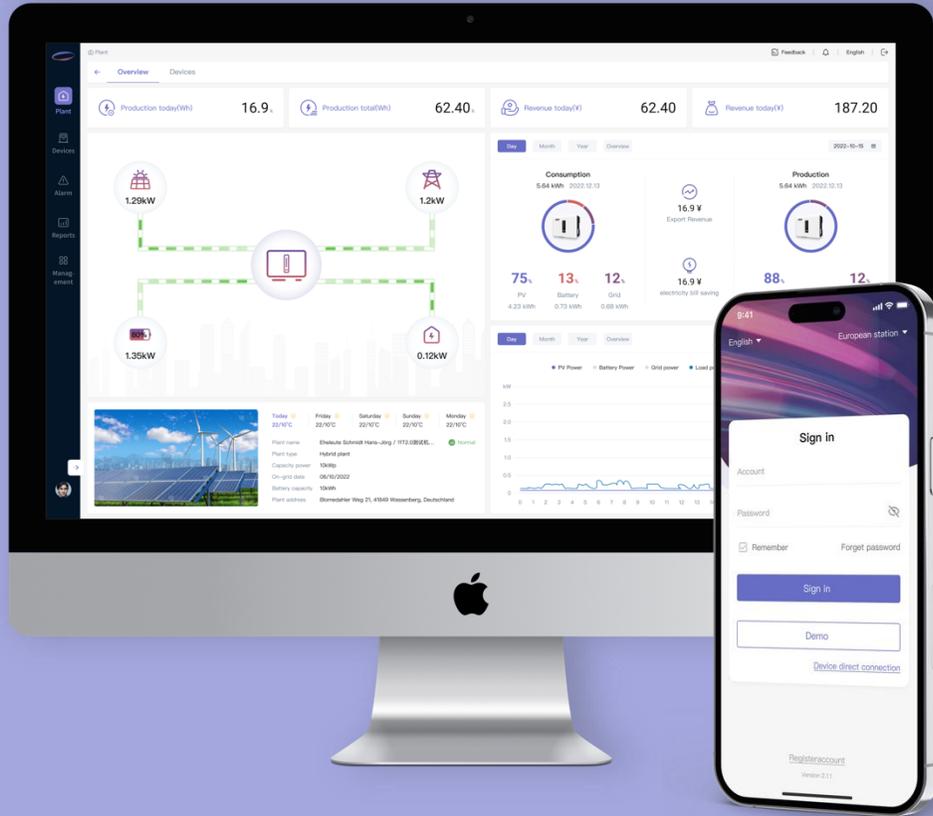
Function	Definition	Owner	Distributor				Demo
			Organization	Administrator	O&M	Visitor	
Alarm							
	Alarm list, searching, details and suggestion view	✘	●	●	●	●	●
Report							
Plant report	View and download the monthly/annual/total/customized report	●	●	●	●	○	○
Export records	View export records of professional parameters and download	✘	●	●	●	✘	○
Manage							
	Organization information view	✘	●	●	●	●	●
Organization Manage	Create and edit subordinate account and internal account	✘	●	●	✘	✘	✘
Owner Manage	View and manage owner under this account, including modify the email address and reset password	✘	●	●	✘	✘	✘
News center	New messages for alarms, systems, and services	○	●	●	●	●	●
Account							
Account settings	Personal information setting	●	●	●	●	●	✘
General settings	Language, country, time and revenue settings	●	●	●	●	●	✘
Feedback	Feedback any questions and suggestions about Solinteg	●	●	●	●	●	✘

●: With ○: Part only, can not edit or save settings ✘: Without



Solinteg Cloud

SOLINTEG



Solinteg Monitoring Platform

Sign-in Page

- Choose the language
- Create an “Owner Account”

Plant Page

- Create a new plant
- View Plant’s Real-time Generation & Consumption
- Add devices to plant
- View Device Data & Export a Data Report

Device Page

- Configure the device
- View the device log
- Remote upgrade firmware

Alarm Page

- View the detailed information on alarms

Report Page

- Export a plant data report

Manage Page

- Create a subordinate organization account
- Create an internal account & limit the scope of jurisdiction
- Set the push method of alarms

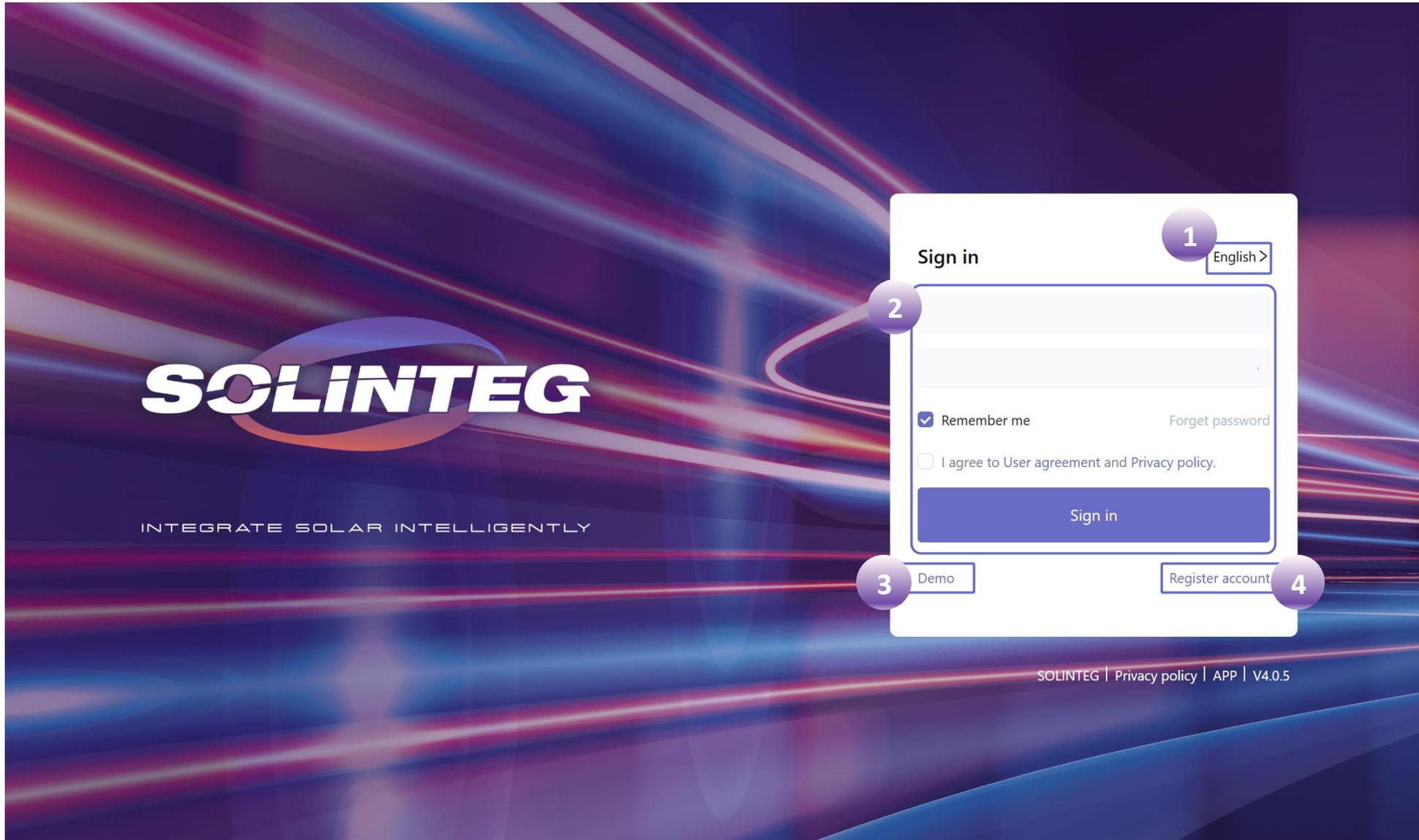
- Feedback Function



Solinteg Cloud
Main Pages

SOLINTEG

Main Page - Sign-in Page



- ① Select the language of the monitoring platform. Solinteg Cloud offers eight languages choice - English, German, Czech, Polish, Chinese, Spanish, Italian, and Portuguese.
- ② Sign in by account and password.
- ③ Solinteg Cloud provides a demo account. Users can directly access the platform and experience its basic functions through the demo account.
- ④ Owner users can through the sign-in page to create the owner account.

Main Page - Plant Page

The screenshot shows a dashboard for managing power plants. It includes a top navigation bar with 'Plants', 'Feedback', 'English', and a home icon. Below the navigation is a summary section with metrics for current power, production, and revenue. A filter bar allows switching between 'All', 'Normal', 'Abnormal', and 'Offline' states. A search bar is used to find plants by name, SN, or owner email. A table lists plant details, and an 'Operate' menu provides actions for each plant. A detailed filter panel is shown at the bottom.

Status	Plant name	Address	Electricity produ...	Current p...	Daily pro...	Last update time	Capacity	Grid conne...	Plant type	Operate
	Solinteg Wuxi Hybrid ...	中华人民共和国	0.00 kWh/kWp	kW	kWh	06:39:45 2024.03.25	100.0 kWp	2024.03.25	C&I Plant	
	Solinteg Wuxi On-Gri...	中华人民共和国	0.01 kWh/kWp	7.52 kW	9.10 kWh	09:30:49 2024.04.23	800.0 kWp	2024.03.17	C&I Plant	
	Plant #3	Republic of China	0.01 kWh/kWp	0.00 kW	0.10 kWh	11:34:08 2024.02.06	10.0 kWp	2024.02.05	Residential Plant	
	Plant #4	Romania	0.01 kWh/kWp	0.00 kW	0.20 kWh	11:34:07 2024.02.06	20.0 kWp	2024.02.05	Residential Plant	
	Plant #1	280	0.10 kWh/kWp	0.00 kW	0.10 kWh	17:12:36 2024.01.13	1.0 kWp	2024.01.02	Residential Plant	
	Plant #2	spia	0.05 kWh/kWp	0.00 kW	0.10 kWh	17:12:36 2024.01.13	2.0 kWp	2024.01.02	Utility Plant	
	Plant #5	reia, Portugal	0.07 kWh/kWp	0.24 kW	0.60 kWh	09:44:48 2024.04.23	9.0 kWp	2023.12.14	Residential Plant	
	Plant #6	Czechia	0.32 kWh/kWp	1.50 kW	2.10 kWh	10:43:06 2024.04.23	6.56 kWp	2022.12.07	Residential Plant	

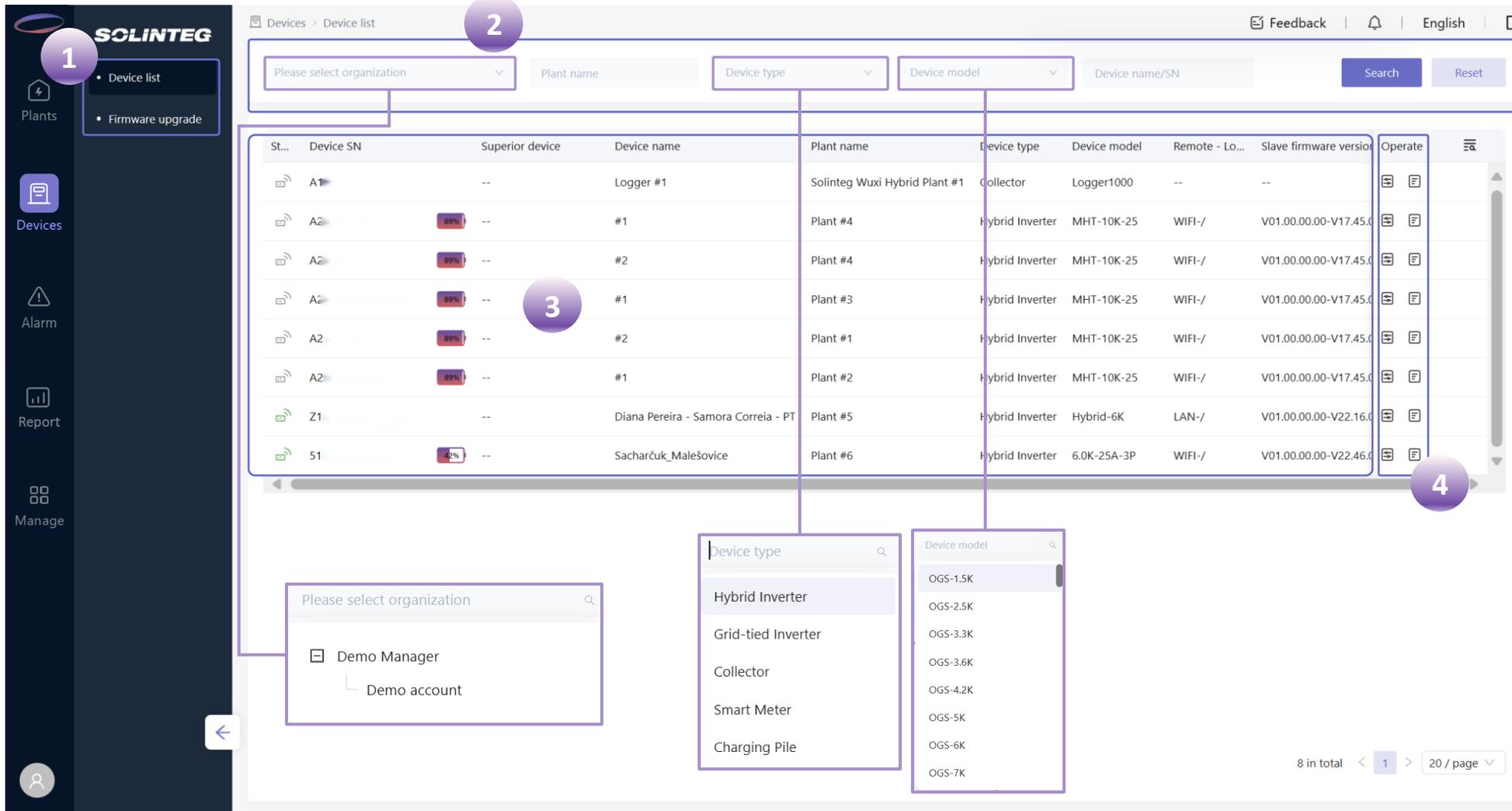
- ① Power plant system performance by different counting periods.
- ② Quickly distinguish between power plants that are normal operating, abnormal, and offline.
- ③ Through this button can create a new plant.
- ④ Search for power plants through plant name, owner email, organization name, and advanced filtering options such as plant type, capacity, and grid connection time.
- ⑤ Detail information about the plant.
- ⑥ The operations that can be performed on a power plant, from left to right, are as follows: Modify, to modify the plant information; Devices, to redirect to the devices page; Delete, to remove the power plant.

Plant type: All Residential Plant Utility Plant C&I Plant

Capacity: kWp - kWp

Grid connection time: →

Main Page - Devices Page (Device list)



1 SOLINTEG

- Plants
- Devices
 - Device list
 - Firmware upgrade
- Alarm
- Report
- Manage

Devices > Device list

Please select organization | Plant name | Device type | Device model | Device name/SN | Search | Reset

St...	Device SN	Superior device	Device name	Plant name	Device type	Device model	Remote - Lo...	Slave firmware versio	Operate
	A1	--	Logger #1	Solinteg Wuxi Hybrid Plant #1	Collector	Logger1000	--	--	
	A2	89%	#1	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.0	
	A2	89%	#2	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.0	
	A2	89%	#1	Plant #3	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.0	
	A2	89%	#2	Plant #1	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.0	
	A2	89%	#1	Plant #2	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.0	
	Z1	--	Diana Pereira - Samora Correia - PT	Plant #5	Hybrid Inverter	Hybrid-6K	LAN-/	V01.00.00.00-V22.16.0	
	51	42%	Sacharčuk_Malešovice	Plant #6	Hybrid Inverter	6.0K-25A-3P	WIFI-/	V01.00.00.00-V22.46.0	

Please select organization

Device type

- Hybrid Inverter
- Grid-tied Inverter
- Collector
- Smart Meter
- Charging Pile

Device model

- OGS-1.5K
- OGS-2.5K
- OGS-3.3K
- OGS-3.6K
- OGS-4.2K
- OGS-5K
- OGS-6K
- OGS-7K

8 in total < 1 > 20 / page

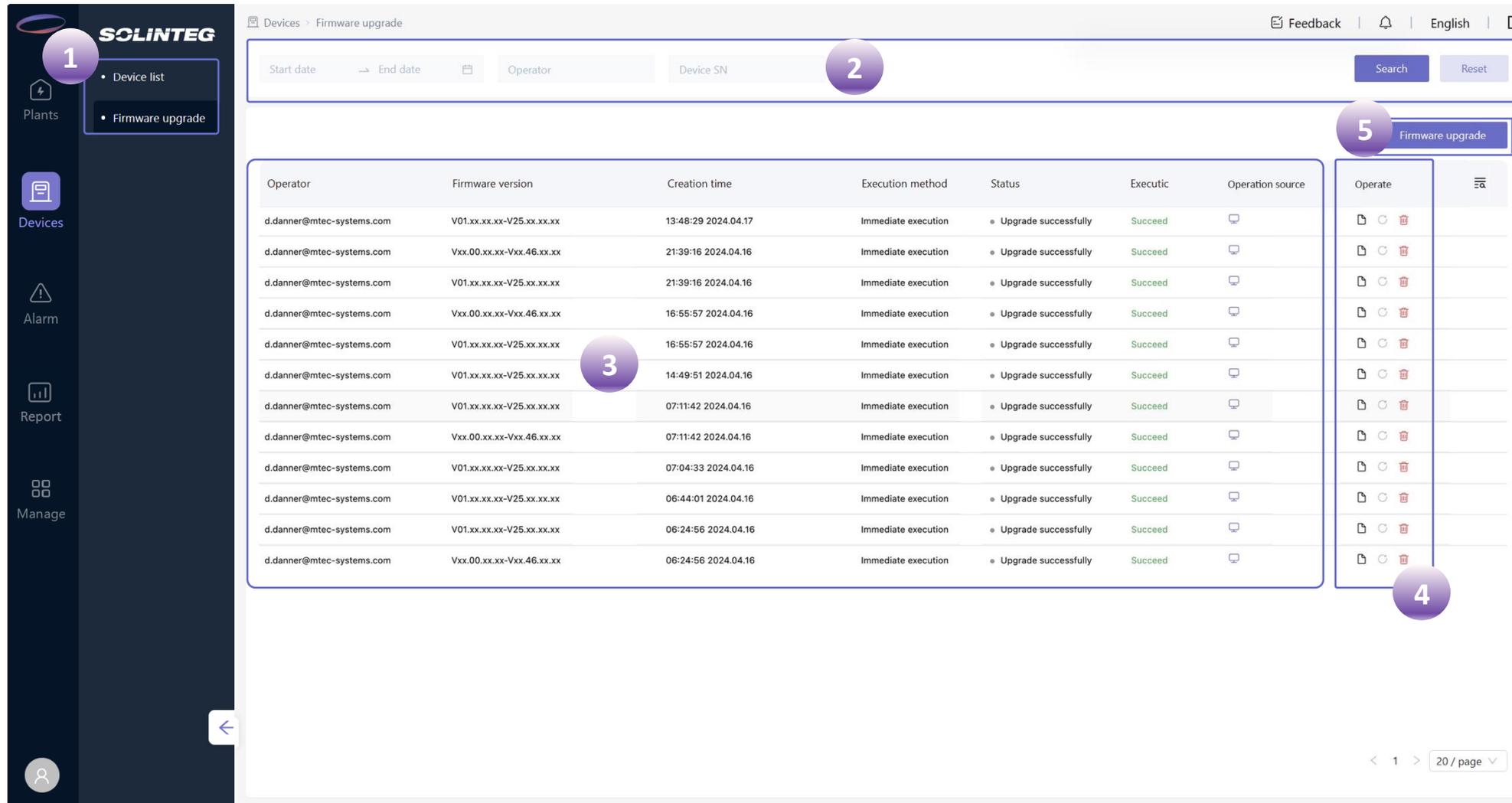
① The Device Page has two sub-interfaces: "Device List" and "Firmware Upgrade". The current page is "Device List".

② Conduct searches by using various criteria such as the organization they belong to, the plant they are associated with, the device name, the type of device, and the model of the device.

③ Devices list and detailed information.

④ Operations of device - configure and device log.

Main Page - Devices Page (Firmware upgrade)

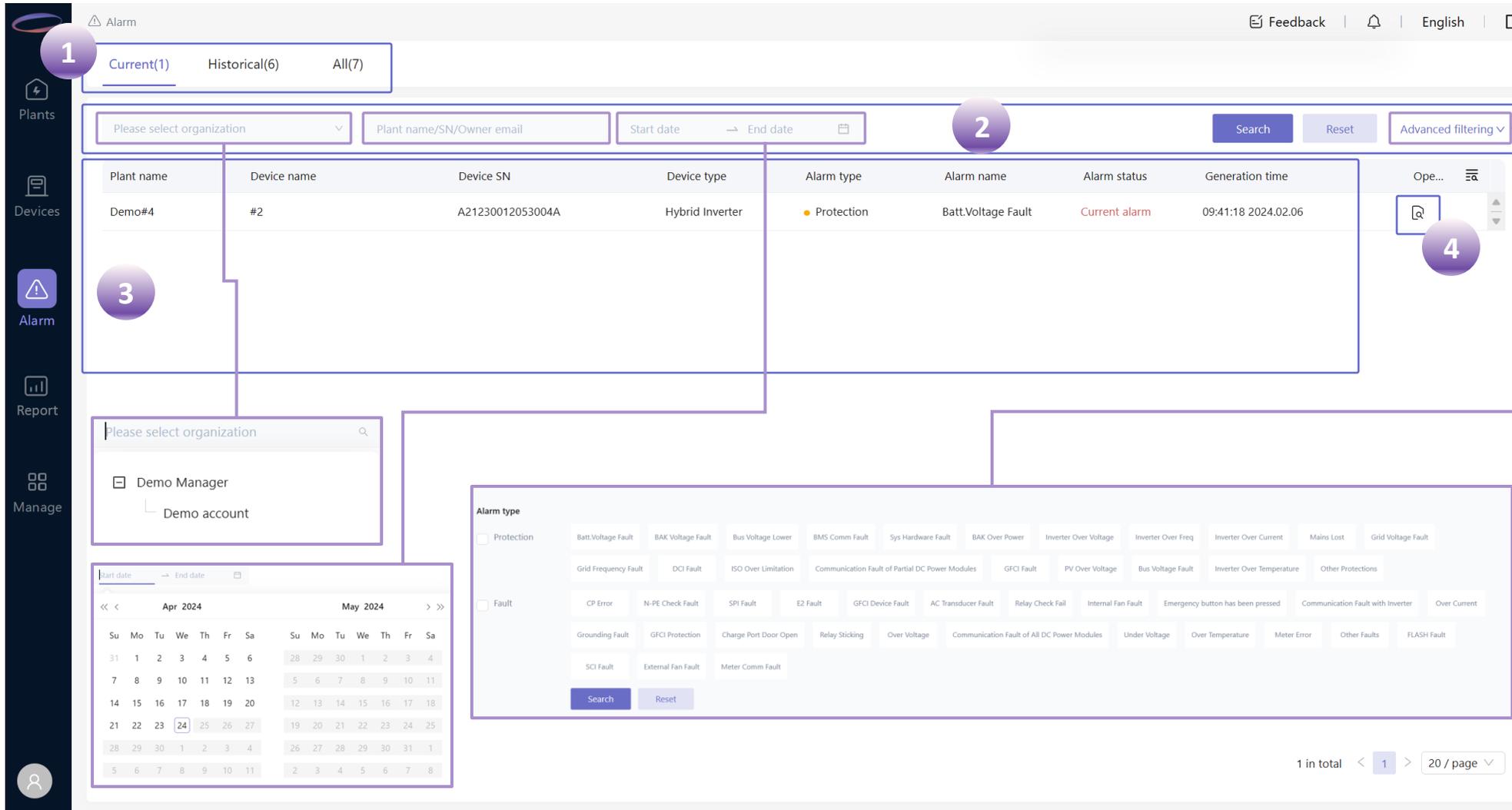


The screenshot shows the 'Firmware upgrade' page in the SOLINTEG system. It features a sidebar on the left with navigation options: Plants, Devices (selected), Alarm, Report, and Manage. The main content area has a breadcrumb 'Devices > Firmware upgrade' and a search bar with filters for Start date, End date, Operator, and Device SN. A table lists 12 firmware upgrade records, each with columns for Operator, Firmware version, Creation time, Execution method, Status, Executic, Operation source, and Operate. A 'Firmware upgrade' button is located in the top right of the table area. The page also includes a feedback icon, a language selector (English), and a pagination control at the bottom right showing '20 / page'.

Operator	Firmware version	Creation time	Execution method	Status	Executic	Operation source	Operate
d.danner@mtec-systems.com	V01.xx.xx.xx-V25.xx.xx.xx	13:48:29 2024.04.17	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	Vxx.00.xx.xx-Vxx.46.xx.xx	21:39:16 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	V01.xx.xx.xx-V25.xx.xx.xx	21:39:16 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	Vxx.00.xx.xx-Vxx.46.xx.xx	16:55:57 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	V01.xx.xx.xx-V25.xx.xx.xx	16:55:57 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	V01.xx.xx.xx-V25.xx.xx.xx	14:49:51 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	V01.xx.xx.xx-V25.xx.xx.xx	07:11:42 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	Vxx.00.xx.xx-Vxx.46.xx.xx	07:11:42 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	V01.xx.xx.xx-V25.xx.xx.xx	07:04:33 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	V01.xx.xx.xx-V25.xx.xx.xx	06:44:01 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	V01.xx.xx.xx-V25.xx.xx.xx	06:24:56 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️
d.danner@mtec-systems.com	Vxx.00.xx.xx-Vxx.46.xx.xx	06:24:56 2024.04.16	Immediate execution	● Upgrade successfully	Succeed	📄	🔄 🗑️

- ① The Device Page has two sub-interfaces: "Device List" and "Firmware Upgrade". The current page is "Firmware upgrade".
- ② Search for historical upgrades through start&end time, operator or device SN code.
- ③ Detail information on historical upgrades or scheduled upgrades.
- ④ Operations for upgrades. From left to right, detail information, refresh and delete.
- ⑤ Through this button to arrange firmware upgrades.

Main Page - Alarm Page

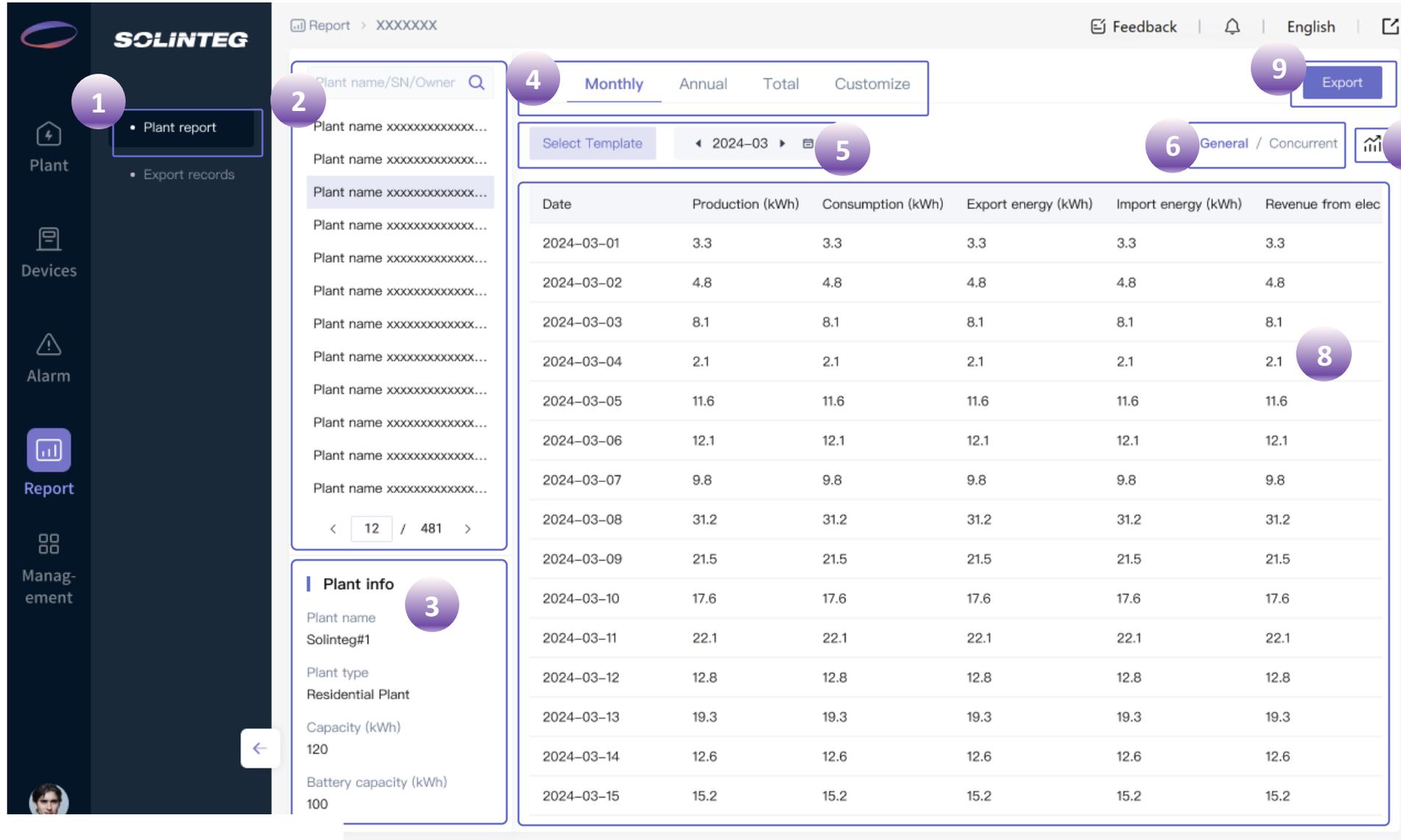


The screenshot shows the Alarm Page interface with the following components and callouts:

- 1**: Filter tabs for 'Current(1)', 'Historical(6)', and 'All(7)'.
- 2**: Search filters including 'Please select organization', 'Plant name/SN/Owner email', 'Start date', and 'End date'.
- 3**: The main alarm table with columns: Plant name, Device name, Device SN, Device type, Alarm type, Alarm name, Alarm status, and Generation time.
- 4**: An 'Advanced filtering' button in the top right of the table.
- Organization Selection**: A dropdown menu showing 'Demo Manager' and 'Demo account'.
- Calendar**: A calendar view for April and May 2024.
- Alarm type**: A grid of checkboxes for various alarm types such as 'Batt.Voltage Fault', 'Grid Frequency Fault', 'CP Error', etc.
- Page Info**: '1 in total' and '20 / page'.

- ① View current, historical, as well as all alarm messages.
- ② Search for alarm through organization name, plant name, time, and it also supports searching for alarm through more detailed protection or fault names.
- ③ Detail information of alarms.
- ④ Through this button can view more detailed information of the alarm, including possible causes and repair suggestions.

Main Page - Report Page(Plant report)



Report > XXXXXXXX

Feedback | English

1 Plant report

2 Plant name/SN/Owner

3 Plant info

4 Monthly Annual Total Customize

5 Select Template

6 General / Concurrent

7

8

9 Export

Date	Production (kWh)	Consumption (kWh)	Export energy (kWh)	Import energy (kWh)	Revenue from elec
2024-03-01	3.3	3.3	3.3	3.3	3.3
2024-03-02	4.8	4.8	4.8	4.8	4.8
2024-03-03	8.1	8.1	8.1	8.1	8.1
2024-03-04	2.1	2.1	2.1	2.1	2.1
2024-03-05	11.6	11.6	11.6	11.6	11.6
2024-03-06	12.1	12.1	12.1	12.1	12.1
2024-03-07	9.8	9.8	9.8	9.8	9.8
2024-03-08	31.2	31.2	31.2	31.2	31.2
2024-03-09	21.5	21.5	21.5	21.5	21.5
2024-03-10	17.6	17.6	17.6	17.6	17.6
2024-03-11	22.1	22.1	22.1	22.1	22.1
2024-03-12	12.8	12.8	12.8	12.8	12.8
2024-03-13	19.3	19.3	19.3	19.3	19.3
2024-03-14	12.6	12.6	12.6	12.6	12.6
2024-03-15	15.2	15.2	15.2	15.2	15.2

Plant info

Plant name Solinteg#1

Plant type Residential Plant

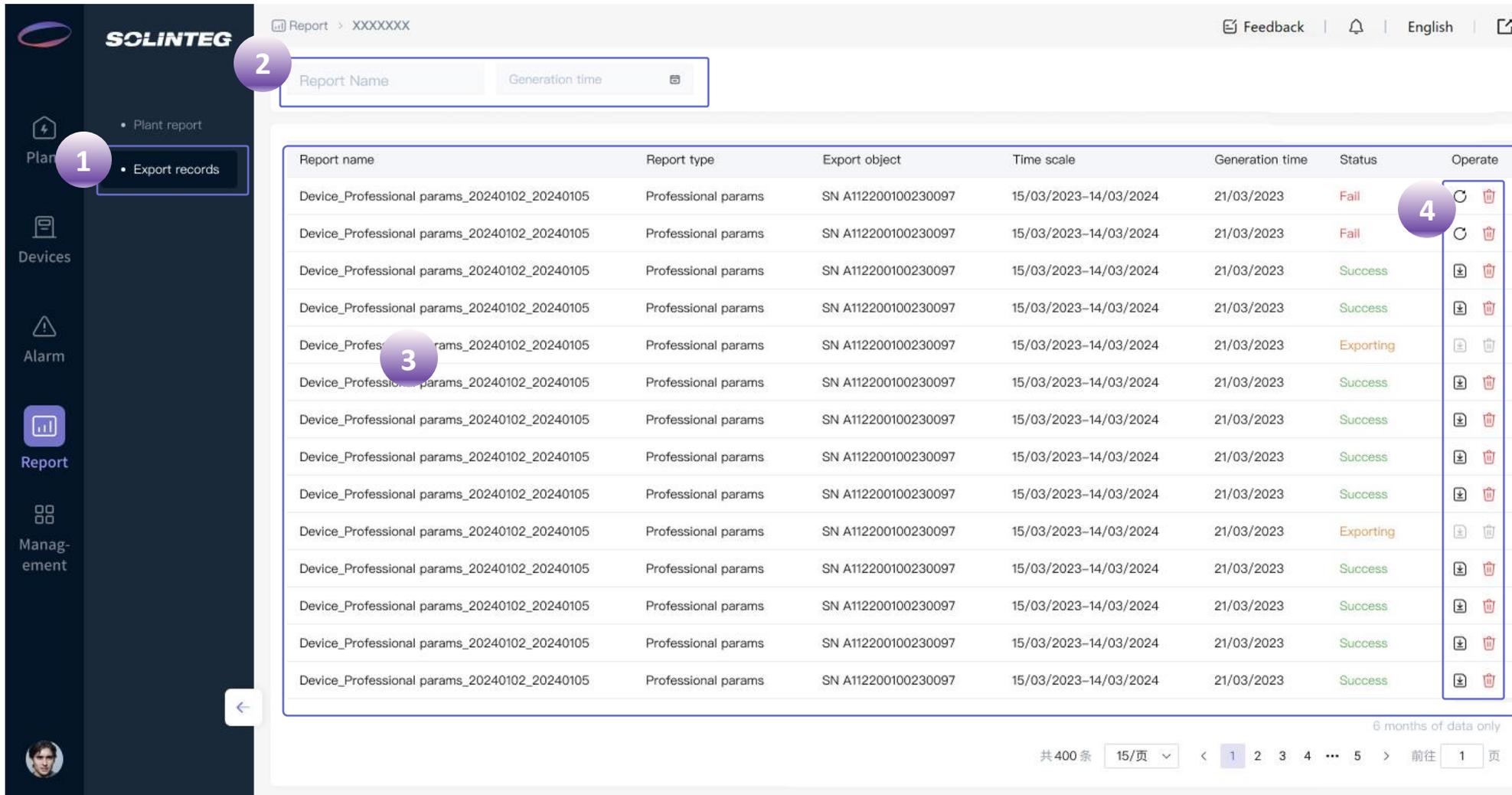
Capacity (kWh) 120

Battery capacity (kWh) 100

- ① The Report Page has two sub-interfaces: "Plant report" and "Export records". The current page is "Plant report".
- ② Search for and view subordinate power plants.
- ③ Display the detailed information of the selected plant.
- ④ Click here can select the time dimension for statistics - monthly/annual/total/custom.
- ⑤ Click here can choose the items to report through a template and also select the time period for the statistics.
- ⑥ Can choose "General" or "Concurrent" statistical method.
- ⑦ Can switch between the table and bar chart display methods.
- ⑧ Detail information of the report.
- ⑨ Export the report.

*The page may change with updates, please refer to the actual website for the latest version.

Main Page - Report Page(Export records)



Report > XXXXXXXX

Feedback | English

Report Name: [] Generation time: []

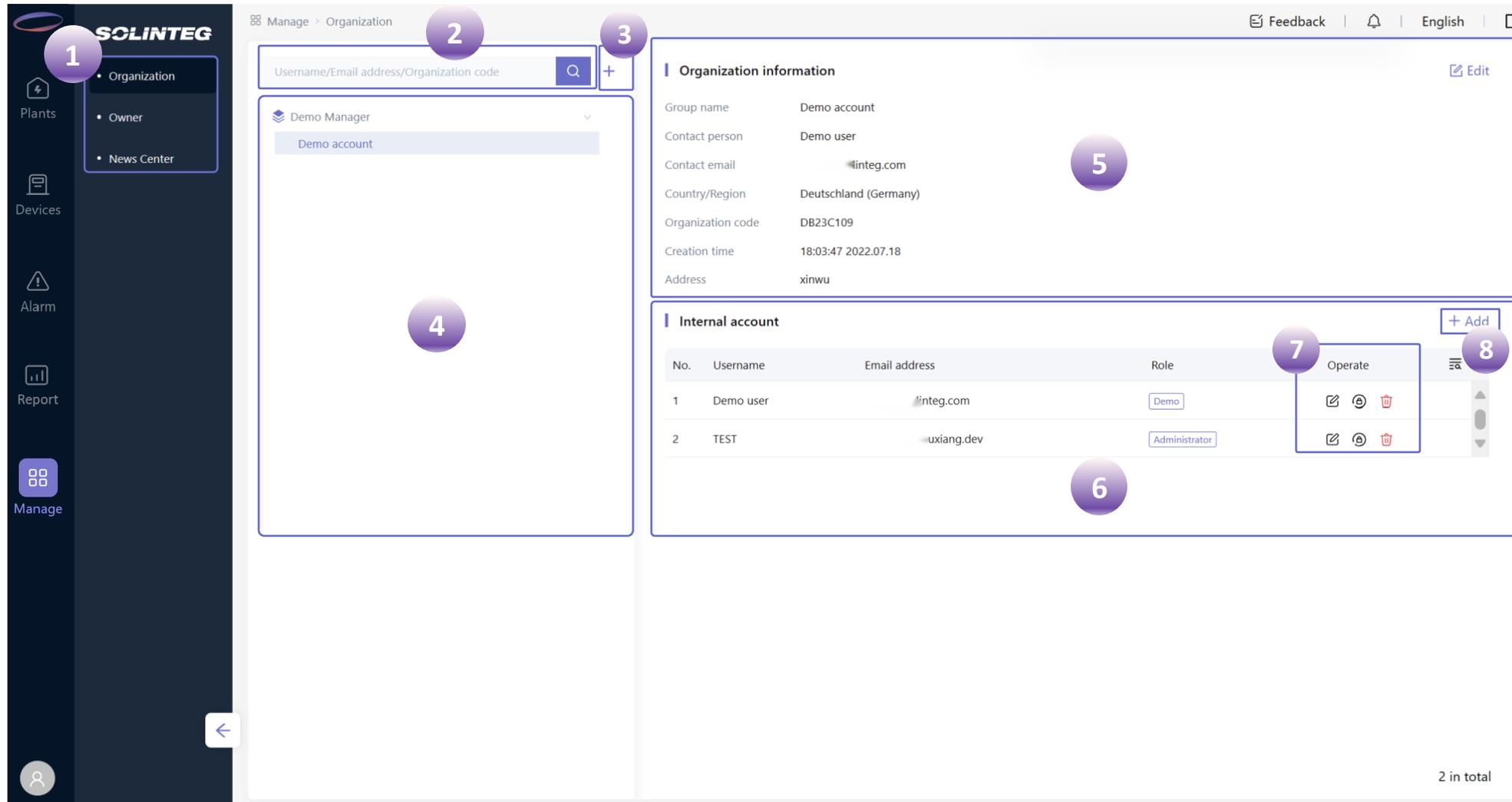
Report name	Report type	Export object	Time scale	Generation time	Status	Operate
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Fail	[Refresh] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Fail	[Refresh] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Exporting	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Exporting	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	[Download] [Delete]
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	[Download] [Delete]

6 months of data only

共 400 条 15/页 < 1 2 3 4 ... 5 > 前往 1 页

- ① The current page is "Export records".
- ② Search for reports through report name and generation time.
- ③ Detail information of reports.
- ④ The operation for reports, including re-generate, download, and delete.

Main Page - Manage Page(Organization)



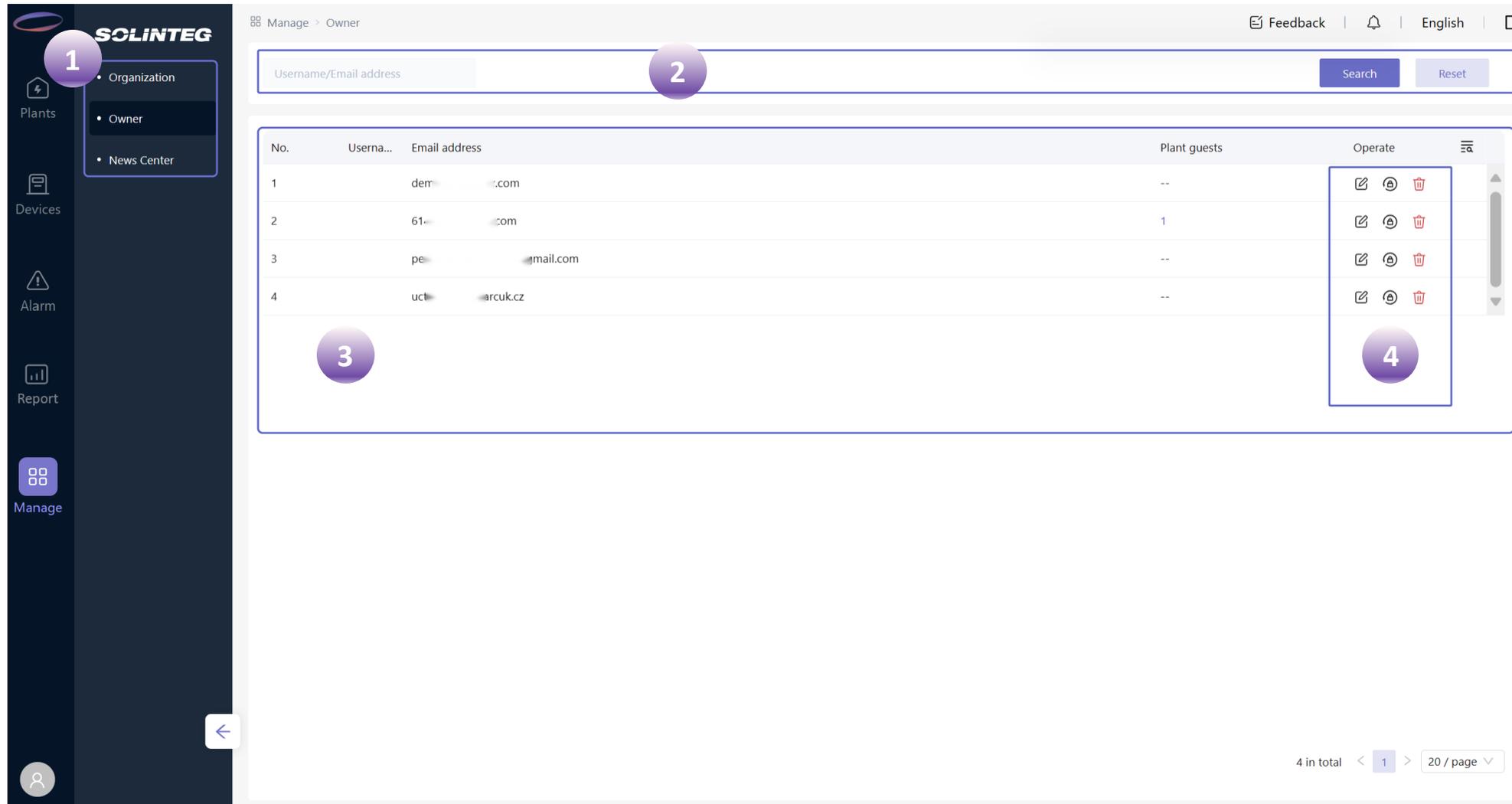
The screenshot shows the 'Manage > Organization' page. It features a left sidebar with navigation options: Plants, Devices, Alarm, Report, and Manage. The main content area is divided into several sections:

- Search Bar (2):** A search input field for 'Username/Email address/Organization code' with a search icon and a plus sign (3) to expand options.
- Organization List (4):** A dropdown menu showing 'Demo Manager' and 'Demo account'.
- Organization Information (5):** A detailed view for the 'Demo account' showing fields like Group name, Contact person, Contact email, Country/Region, Organization code, Creation time, and Address.
- Internal Account Table (6):** A table listing internal accounts with columns for No., Username, Email address, Role, and Operate. The table contains two rows: 'Demo user' (Role: Demo) and 'TEST' (Role: Administrator).
- Operate Menu (7):** A context menu for the 'Operate' column with options for edit, reset password, and delete.
- Add Button (8):** A '+ Add' button to create a new internal account.

At the bottom right, it indicates '2 in total' accounts.

- ① The Manage Page has three sub-interfaces: "Organization", "Owner" and "News Center". The current page is "Organization".
- ② Search for an organization by username, email address or organization code.
- ③ Through this button can create a sub-account.
- ④ Display various organizations and their affiliations.
- ⑤ Display the information of the organization.
- ⑥ Display the internal accounts under this account.
- ⑦ Modify/Reset password/Delete.
- ⑧ Through this button add a new internal account.

Main Page - Manage Page(Owner)

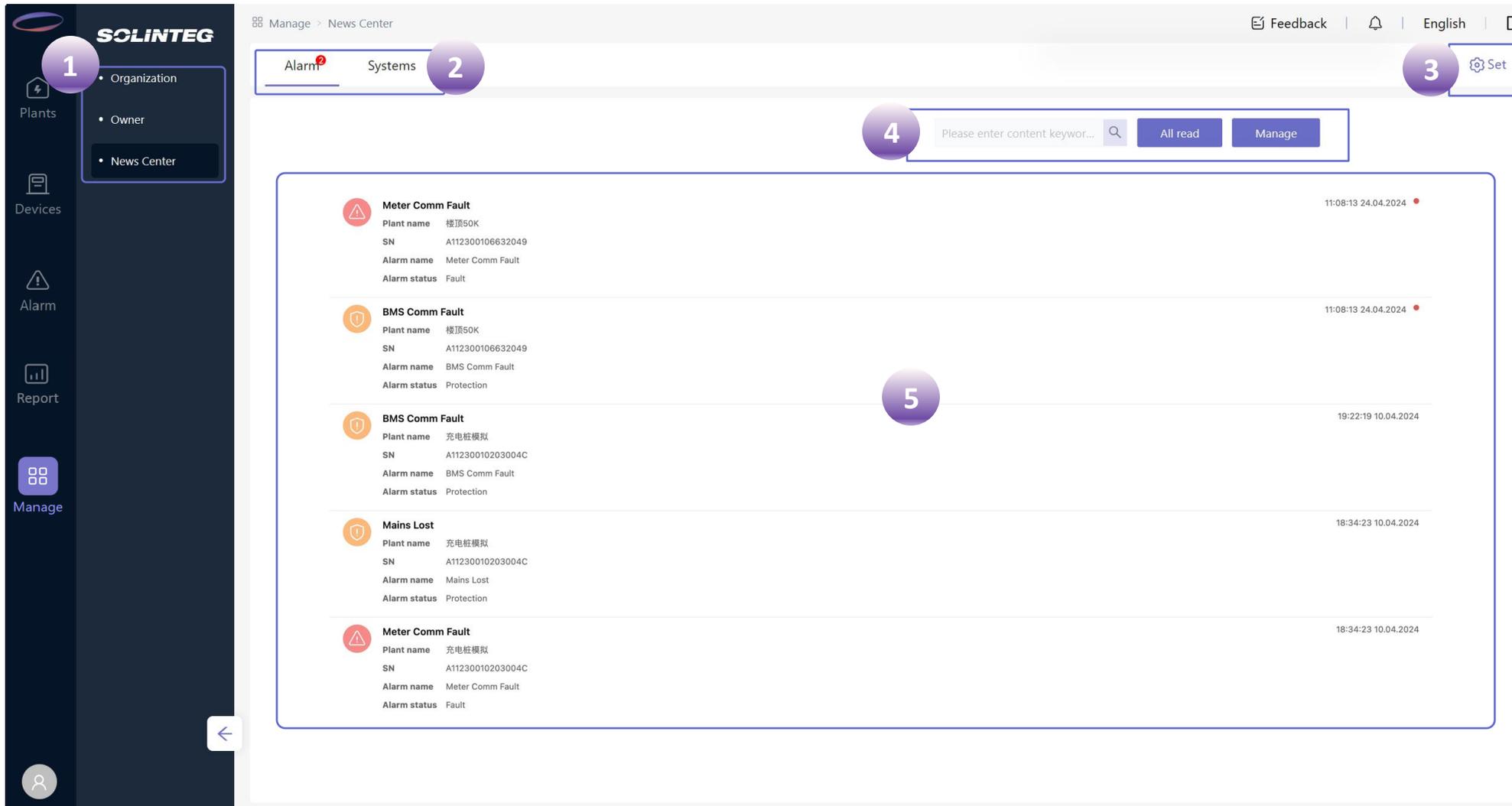


The screenshot shows the 'Manage > Owner' page in the SOLINTEG system. It features a search bar at the top for finding users by username or email address. Below the search bar is a table listing owner users with columns for No., Username, Email address, Plant guests, and Operate. The Operate column contains icons for modify, change email, reset password, and delete. A pagination bar at the bottom indicates 4 users in total on page 1 of 20.

No.	Userna...	Email address	Plant guests	Operate
1	dem...	...com	--	[Modify] [Change Email] [Reset] [Delete]
2	61...	...com	1	[Modify] [Change Email] [Reset] [Delete]
3	pe...	...mail.com	--	[Modify] [Change Email] [Reset] [Delete]
4	uct...	...arcuk.cz	--	[Modify] [Change Email] [Reset] [Delete]

- ① The current sub-page is "Owner".
- ② Search for owner users by username and email address.
- ③ Display the information of owner users.
- ④ Operations to the owner account, from left to right, are: modify - change the email address, reset the password, and delete the owner user.

Main Page - Manage Page(News Center)



The screenshot shows the SOLINTEG News Center interface. On the left is a dark sidebar with navigation icons for Plants, Devices, Alarm, Report, and Manage. The main content area has a breadcrumb 'Manage > News Center' and a top navigation bar with 'Alarm' (highlighted with a red notification dot) and 'Systems' tabs. A search bar with the placeholder 'Please enter content keyword...' and 'All read' and 'Manage' buttons is present. Below the search bar is a list of five alarm notifications, each with a status icon, title, and details.

Alarm Status	Alarm Name	Plant Name	SN	Alarm Status	Time
Warning (Red Triangle)	Meter Comm Fault	楼顶50K	A112300106632049	Fault	11:08:13 24.04.2024
Warning (Yellow Shield)	BMS Comm Fault	楼顶50K	A112300106632049	Protection	11:08:13 24.04.2024
Warning (Yellow Shield)	BMS Comm Fault	充电桩模拟	A11230010203004C	Protection	19:22:19 10.04.2024
Warning (Yellow Shield)	Mains Lost	充电桩模拟	A11230010203004C	Protection	18:34:23 10.04.2024
Warning (Red Triangle)	Meter Comm Fault	充电桩模拟	A11230010203004C	Fault	18:34:23 10.04.2024

- ① The current sub-page is "News Center".
- ② Notifications are divided into alarms and system messages.
- ③ Through this button set the push method of alarms.
- ④ Search for notifications, as well as batch mark them as "All read" or batch delete notifications.
- ⑤ Notification list.

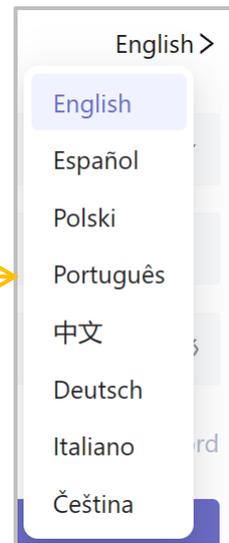
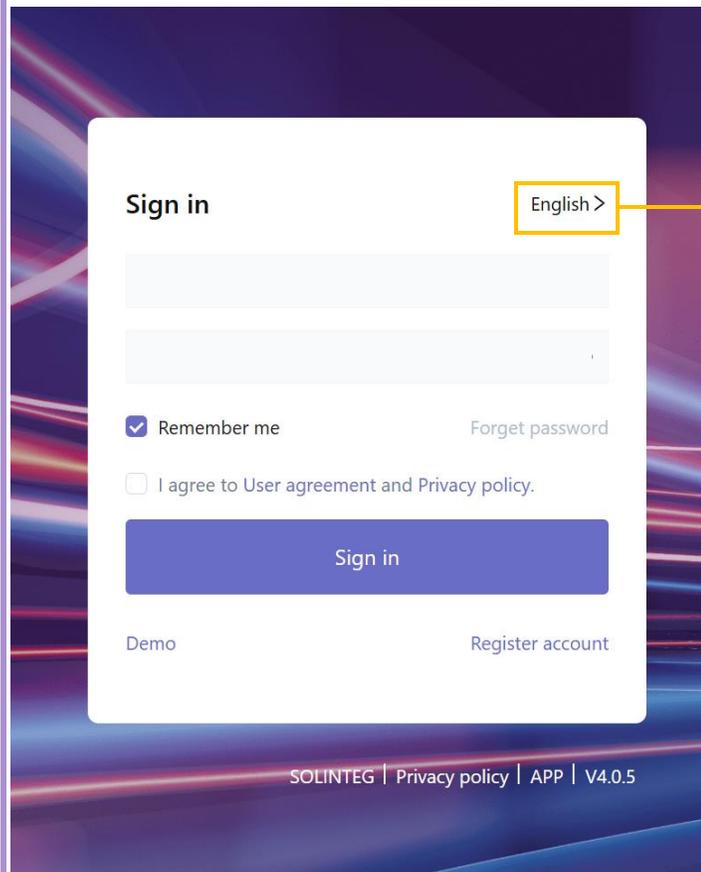


Solinteg Cloud Main Functions

SOLINTEG

Choose Language

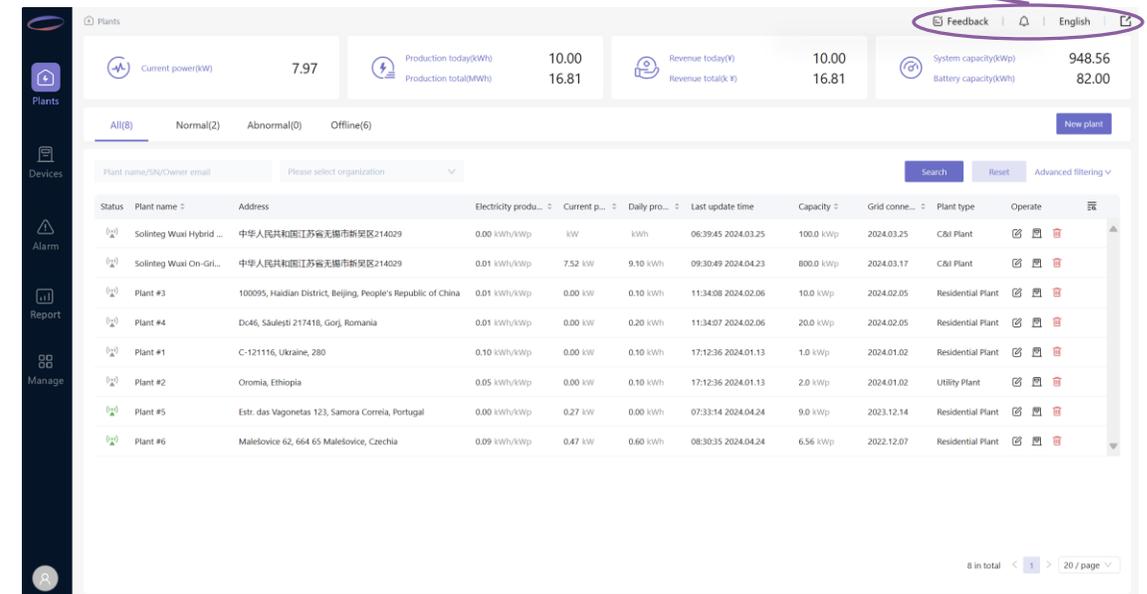
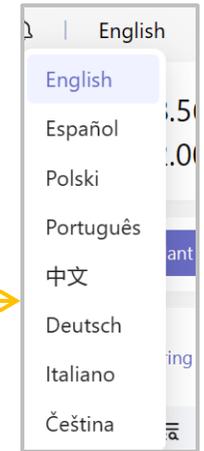
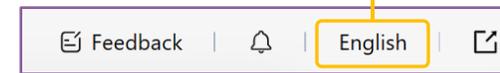
Method 1



On the Sign-in Page, click here to choose the language.

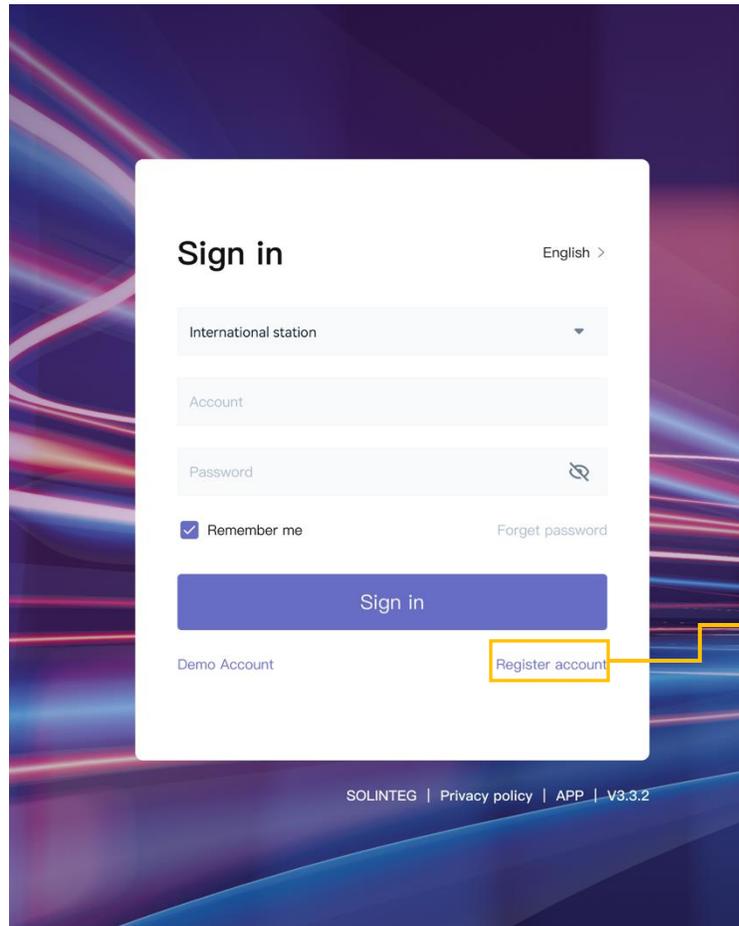
Method 2

After entering the Solinteg Cloud, there will be a toolbar as shown in the figure at the top right corner of every page. By clicking on the button as illustrated, you can select the language for the platform.



Create an Owner Account

Method 1: Created by owners' self



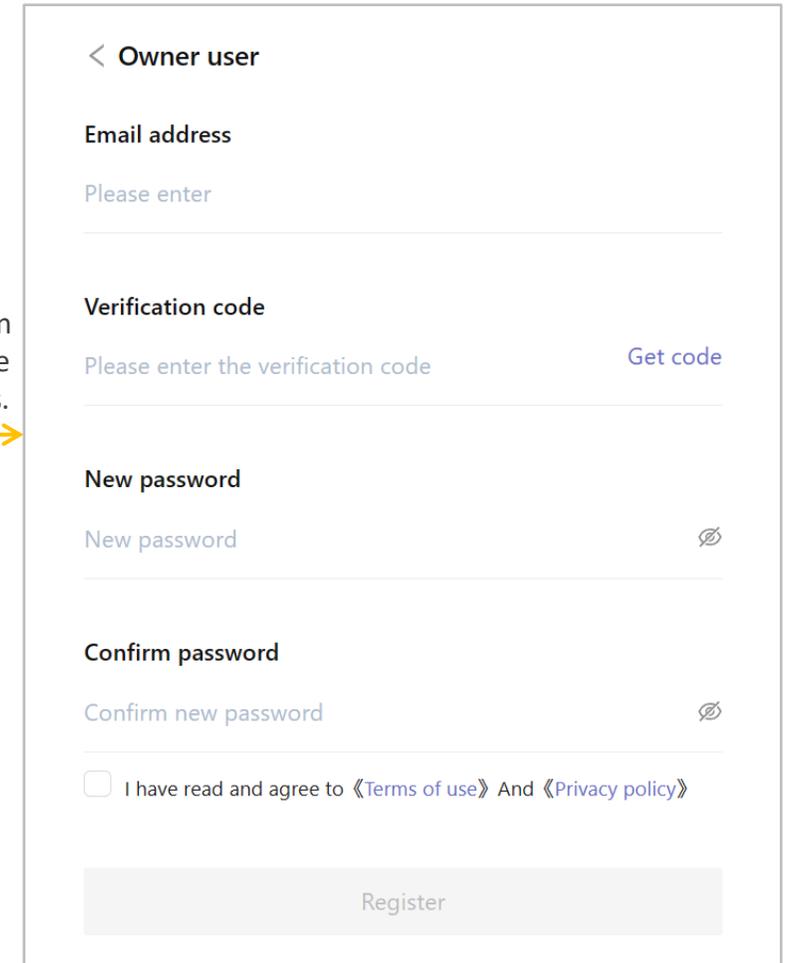
The image shows a 'Sign in' page with the following elements: a language selector 'English >', an 'International station' dropdown menu, an 'Account' input field, a 'Password' input field with a visibility toggle, a 'Remember me' checkbox, a 'Forget password' link, a blue 'Sign in' button, a 'Demo Account' link, and a 'Register account' link highlighted with a yellow box. At the bottom, there is a footer: 'SOLINTEG | Privacy policy | APP | V3.3.2'.

Owner users can register for an owner account on the sign-in page using their email address.



The dialog box contains two options: 'Owner' (highlighted with a blue box) and 'Distributor/Installer' (highlighted with a grey box). Below the 'Owner' option is the text 'Users who will own or already own their plant'. Below the 'Distributor/Installer' option is the text 'Please contact your equipment supplier to create an account for you'. A yellow arrow points from the 'Register account' link in the sign-in page to the 'Owner' option, and another yellow arrow points from the 'Distributor/Installer' option to the explanatory text below.

Distributors and installers need to use organizational accounts, which cannot be created here.



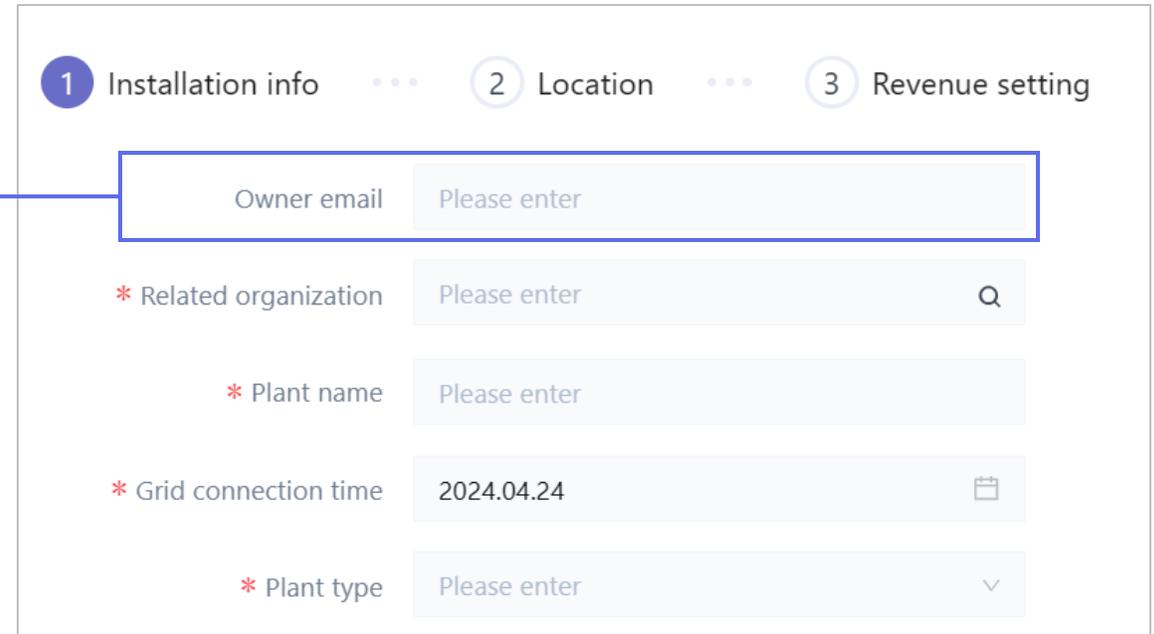
The registration form is titled '< Owner user' and includes the following fields: 'Email address' with a 'Please enter' placeholder; 'Verification code' with a 'Please enter the verification code' placeholder and a 'Get code' link; 'New password' with a 'New password' placeholder and a visibility toggle; and 'Confirm password' with a 'Confirm new password' placeholder and a visibility toggle. At the bottom, there is a checkbox for 'I have read and agree to <<Terms of use>> And <<Privacy policy>>' and a grey 'Register' button.

Create an Owner Account

Method 2

Distributors or installers can create owner accounts for end users

When a distributor or installer creates a power plant for an end user, they can directly enter the end user's email address. Once the power station is created, the initial password will be sent to the end user's email. The end user can sign into the Solinteg Cloud by the email address and initial password, without registering.



1 Installation info ... 2 Location ... 3 Revenue setting

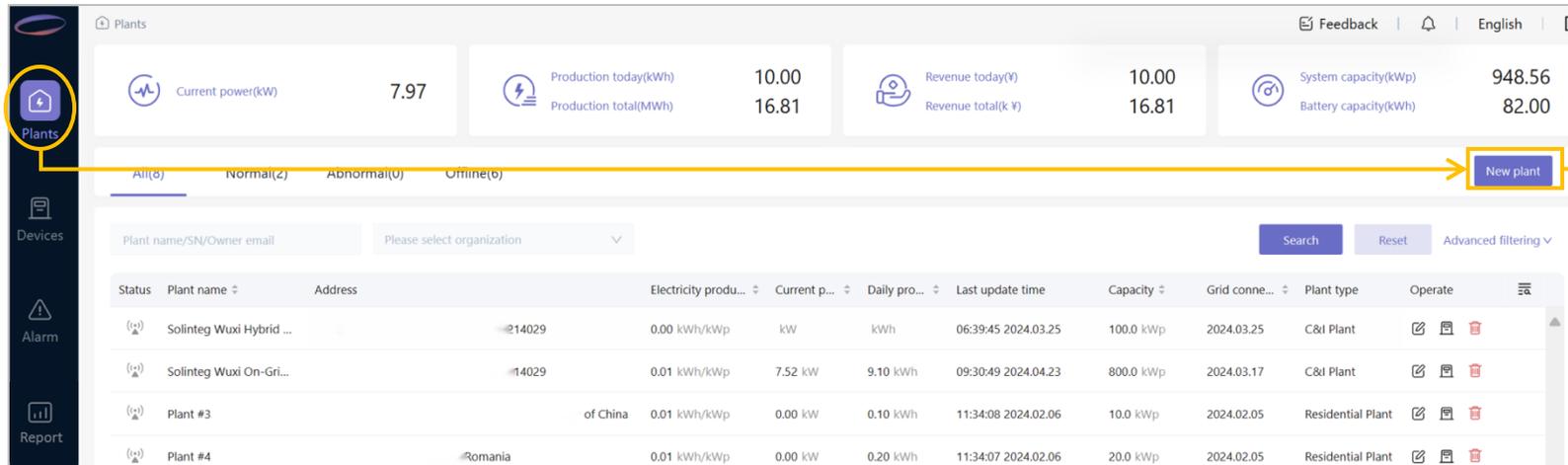
Owner email

* Related organization

* Plant name

* Grid connection time

* Plant type



Plants

Feedback | English

Current power(kW) 7.97

Production today(kWh) 10.00

Production total(MWh) 16.81

Revenue today(¥) 10.00

Revenue total(k ¥) 16.81

System capacity(kWp) 948.56

Battery capacity(kWh) 82.00

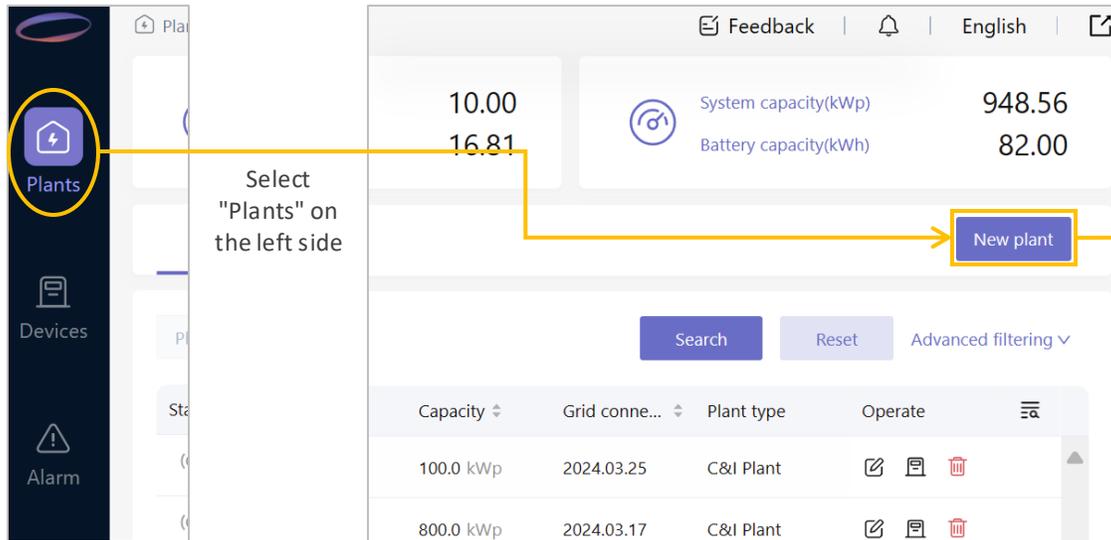
All(0) Normal(2) Abnormal(0) Offline(0)

Plant name/SN/Owner email Please select organization

Status	Plant name	Address	Electricity produ...	Current p...	Daily pro...	Last update time	Capacity	Grid conne...	Plant type	Operate
(+)	Solinteg Wuxi Hybrid ...	14029	0.00 kWh/kWp	kW	kWh	06:39:45 2024.03.25	100.0 kWp	2024.03.25	C&I Plant	📄 🗑️
(+)	Solinteg Wuxi On-Gri...	14029	0.01 kWh/kWp	7.52 kW	9.10 kWh	09:30:49 2024.04.23	800.0 kWp	2024.03.17	C&I Plant	📄 🗑️
(+)	Plant #3	of China	0.01 kWh/kWp	0.00 kW	0.10 kWh	11:34:08 2024.02.06	10.0 kWp	2024.02.05	Residential Plant	📄 🗑️
(+)	Plant #4	Romania	0.01 kWh/kWp	0.00 kW	0.20 kWh	11:34:07 2024.02.06	20.0 kWp	2024.02.05	Residential Plant	📄 🗑️

On the Plant Page, click "New plant" to create a new plant.

Create a New Plant



Select "Plants" on the left side

Capacity	Grid conne...	Plant type	Operate
100.0 kWp	2024.03.25	C&I Plant	  
800.0 kWp	2024.03.17	C&I Plant	  

Click "New plant" and then appear a new page

New plant

1 Installation info ... 2 Location ... 3 Revenue setting

Owner email

* Related organization

* Plant name

* Grid connection time

* Plant type

* Capacity kWp

Battery capacity kWh

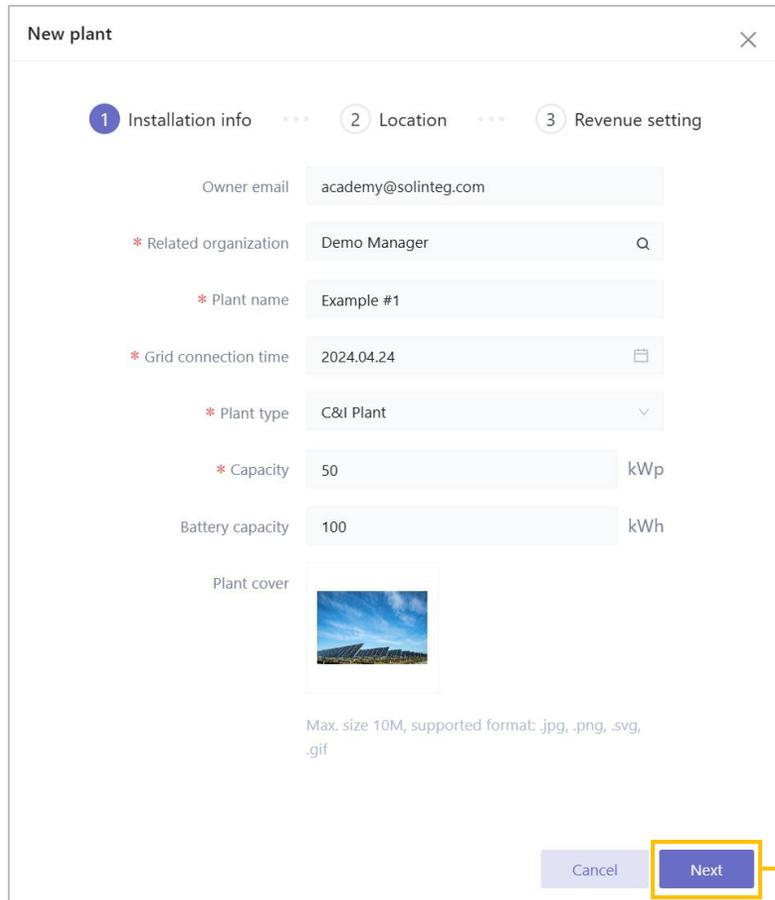
Plant cover
Image upload

Max. size 10M, supported format: .jpg, .png, .svg, .gif

Next slide

Create a New Plant

Fill in the required information such as the affiliated organization, grid connection time, plant type, and plant capacity, then click "Next".



New plant

1 Installation info ... 2 Location ... 3 Revenue setting

Owner email: academy@solinteg.com

* Related organization: Demo Manager

* Plant name: Example #1

* Grid connection time: 2024.04.24

* Plant type: C&I Plant

* Capacity: 50 kWp

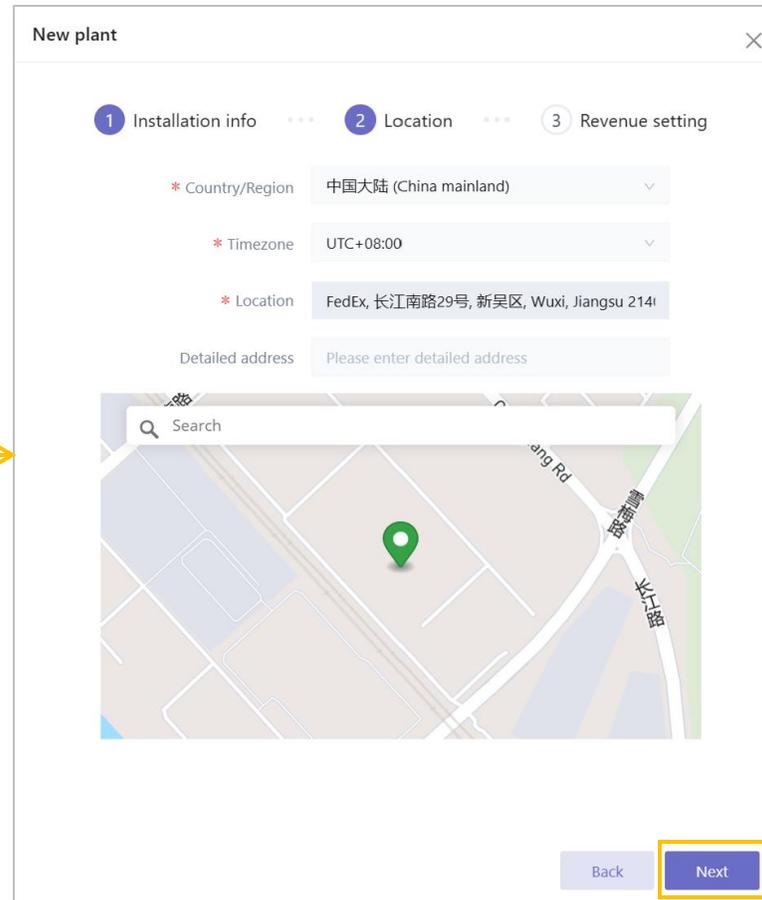
Battery capacity: 100 kWh

Plant cover: 

Max. size 10M, supported format: .jpg, .png, .svg, .gif

Cancel **Next**

Manually enter the address or authorize the platform to automatically retrieve it, then fill in the region and time zone, and then proceed to click "Next".



New plant

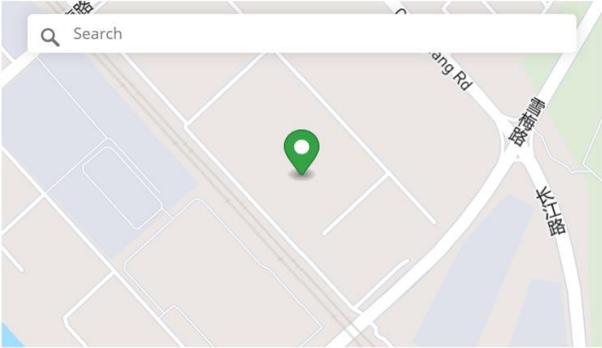
1 Installation info ... 2 Location ... 3 Revenue setting

* Country/Region: 中国大陆 (China mainland)

* Timezone: UTC+08:00

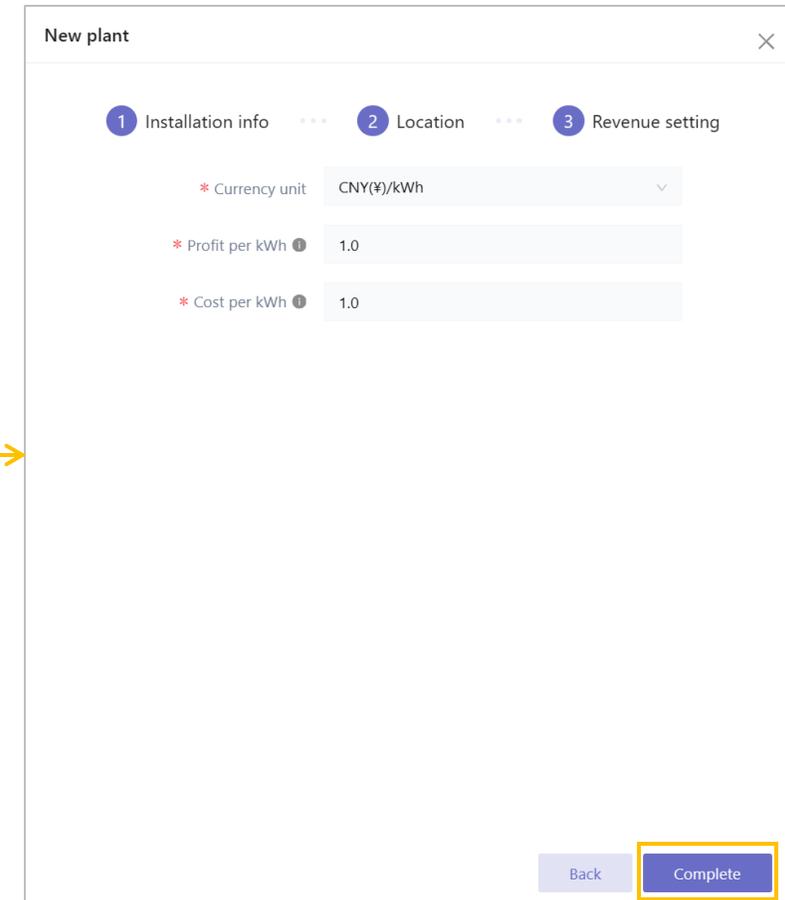
* Location: FedEx, 长江南路29号, 新吴区, Wuxi, Jiangsu 214

Detailed address: Please enter detailed address



Back **Next**

Set the currency unit, selling price for electricity, and buying price for electricity to facilitate the calculation of revenue. Then click "Complete" to finish the creation.



New plant

1 Installation info ... 2 Location ... 3 Revenue setting

* Currency unit: CNY(¥)/kWh

* Profit per kWh: 1.0

* Cost per kWh: 1.0

Back **Complete**

View Plant's Real-time Generation & Consumption

The flowchart will display real-time electricity generation and consumption.

Select "Plants" on the left side

Status	Plant name	Address
📶	Plant #5	Estr. das V
📶	Plant #6	Malešovic

Select the plant you want to view and click on the plant name.

● Normal

0.48kW

0.01kW

Production today(kWh)
1.30

Production total(kWh)
822.00

Revenue today(€)
1.30

Revenue total(€)
822.00

Production & Revenue

23

0.00kW

0.47kW

Today	Wednesday	Thursday	Friday	Saturday
14/20°C	12/19°C	10/19°C	6/15°C	7/15°C

Babice 343_TestEVcharger

Plant type: Residential Plant

Capacity: 7kWp

Grid connection time: 2024.05.16

Battery capacity: 7.5kWh

Plant address: 374 933/7, 614 00 Brno-Maloměřice a Obrány, Czechia

Day
Month
Year
Total
< 2024.10.08 >

The curve chart will display the variations in PV power, grid power, battery power, SOC value, and load consumption.

Revenue from electricity sales

0.1€

Electricity bill savings

1.2€

1.30

Production (kWh)

5.30

Consumption (kWh)

Self-consumption

1.20 kWh

Export energy

0.10 kWh

Import energy

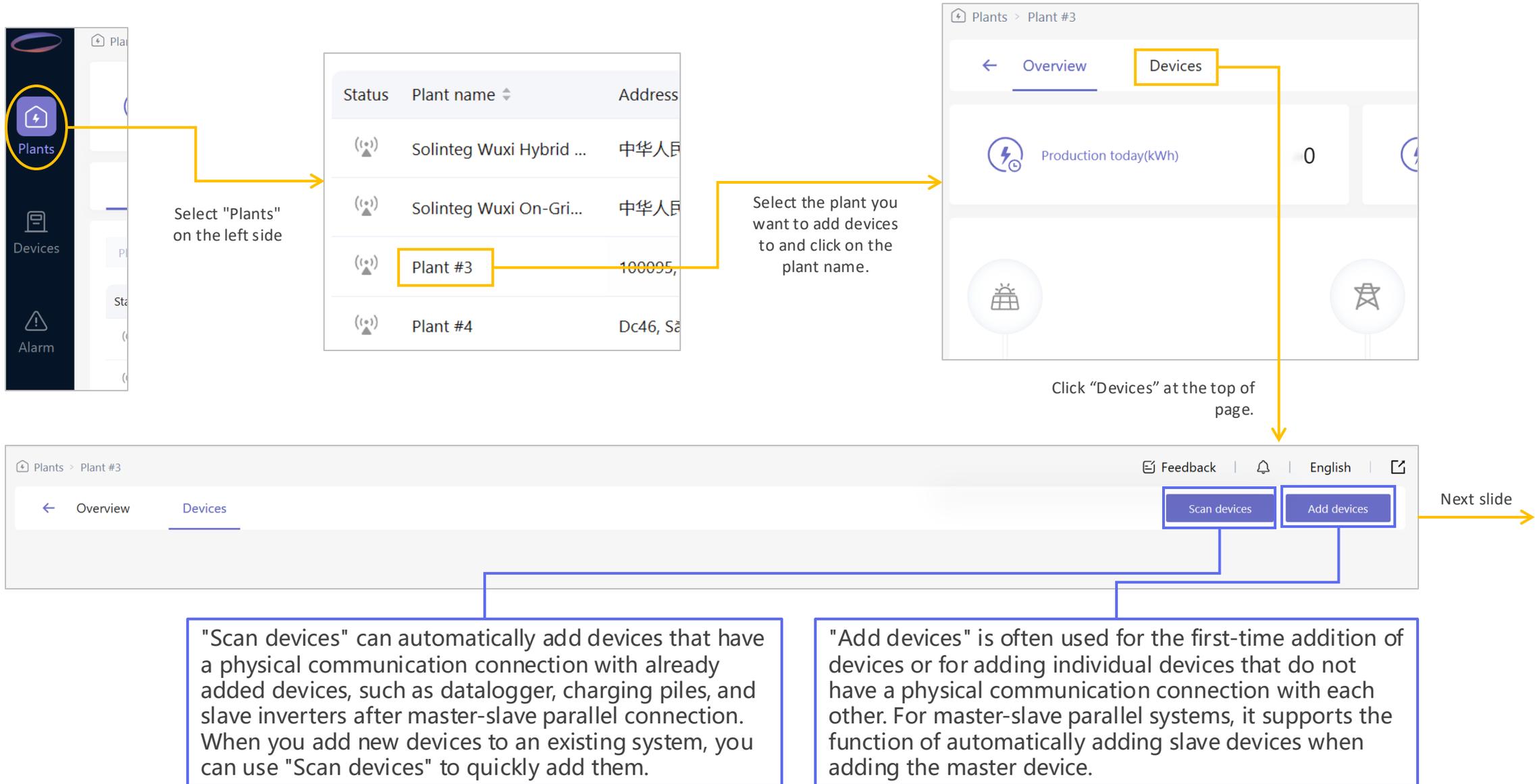
4.10 kWh

Self-sufficiency

1.20 kWh

Usage percentage of production and consumption

Add Devices to Plant



Select "Plants" on the left side

Status	Plant name	Address
(📶)	Solinteg Wuxi Hybrid ...	中华人民
(📶)	Solinteg Wuxi On-Gri...	中华人民
(📶)	Plant #3	100095,
(📶)	Plant #4	Dc46, Sā

Select the plant you want to add devices to and click on the plant name.

Click "Devices" at the top of page.

Click "Devices" at the top of page.

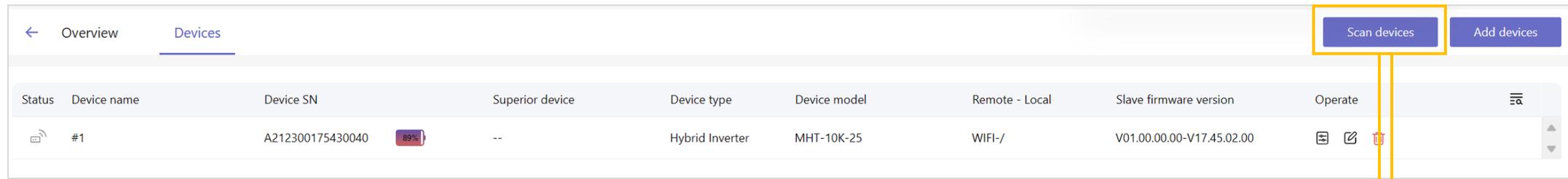
Next slide

"Scan devices" can automatically add devices that have a physical communication connection with already added devices, such as datalogger, charging piles, and slave inverters after master-slave parallel connection. When you add new devices to an existing system, you can use "Scan devices" to quickly add them.

"Add devices" is often used for the first-time addition of devices or for adding individual devices that do not have a physical communication connection with each other. For master-slave parallel systems, it supports the function of automatically adding slave devices when adding the master device.

Add Devices to Plant - "Scan devices" Button

When there are already devices added to the plant and there are new devices physically connected to them, you can use "Scan devices" to quickly add them.



Status	Device name	Device SN	Superior device	Device type	Device model	Remote - Local	Slave firmware version	Operate
	#1	A212300175430040	89%	--	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00

If new devices cannot be scanned, please check whether the physical communication connection is normal.

Devices that have a physical communication connection with existing devices, such as datalogger, charging pile, or slave device in a master-slave parallel system, can all be scanned and quickly added to the plant.

Scan devices ✕

A total of 0 devices are scanned this time

Device name	Device SN	Check code	Device type	Meter application	Operate
 No data					

[Add all](#)

Scan devices ✕

A total of 3 devices are scanned this time

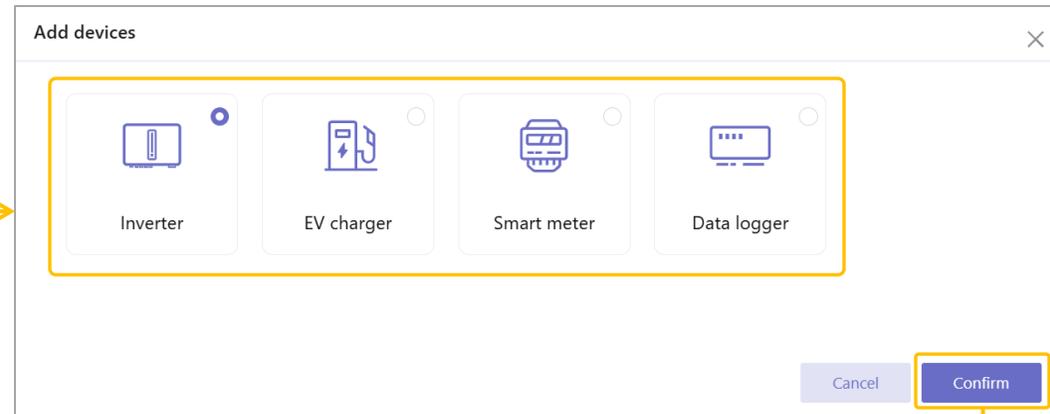
Device name	Device SN	Check code	Device type	Meter application	Operate
<input type="text" value="Please input"/>	A5456297645325	62427	Hybrid	<input type="text" value="Please select"/>	✖
<input type="text" value="Please input"/>	Z2478293812373	27463	Datalogger	<input type="text" value="Please select"/>	✖
<input type="text" value="Please input"/>	Z2478263814563	87251	Charging pile	<input type="text" value="Please select"/>	✖

[Add all](#)

Add Devices to Plant - "Add devices" Button

Add devices

Click "Add devices" will bring up the window shown in the figure on the right.

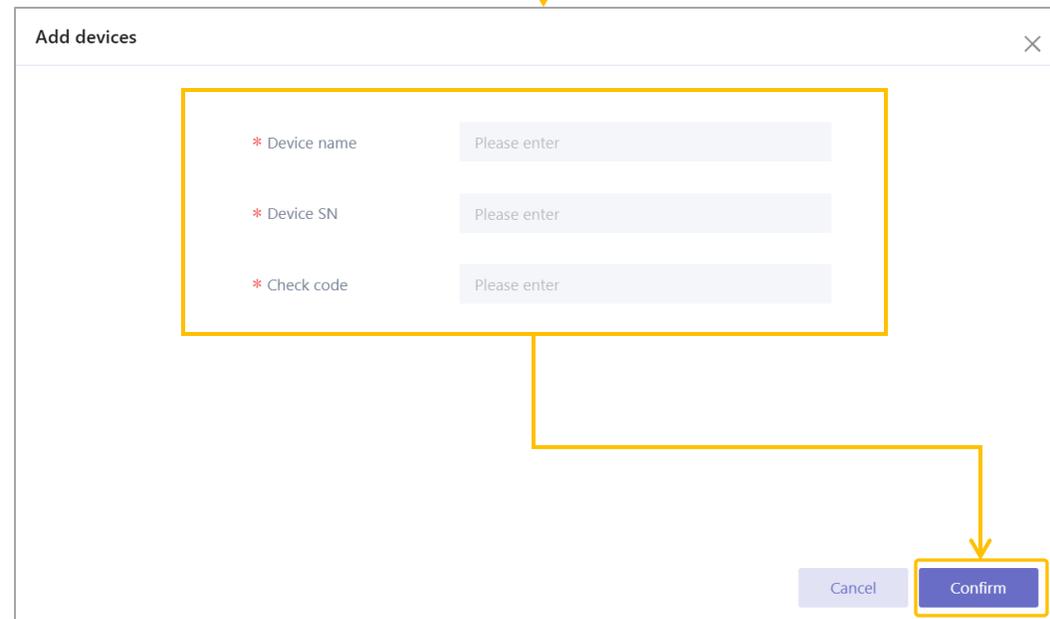


Add devices

Inverter EV charger Smart meter Data logger

Cancel Confirm

Select the device type you want to add, currently including inverter, EV charger, smart meter and data logger.



Add devices

* Device name Please enter

* Device SN Please enter

* Check code Please enter

Cancel Confirm

Different device need to input different information, as the left picture shows, the SN code, check code is needed if add a inverter.

View Device Data & Export a Data Report

Method 1

Select "Plants" on the left side

Status	Plant name	Address
	Plant #5	Estr. das V
	Plant #6	Malešovic

Select the plant which the device belongs to

Click "Devices" at the top of the page.

Device name	Device SN	Superior device	Device type	Device model	Remote - Local	Slave firmware version	Operate
Sacharčuk_Malešovice	5112200100330129	--	Hybrid Inverter	6.0K-25A-3P	WIFI-/	V01.00.00.00-V22.46.02.00	

Method 2

Select "Devices" on the left side and select the "Device list"

Select the device you want to view, and click the device name or the device's SN code.

Device Overview Page

Next slide

	A212300102930049		--	#1	Plant #2	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	Z112300200831256		--	Diana Pereira - Samora Correia - PT	Plant #5	Hybrid Inverter	Hybrid-6K	LAN-/	V01.00.00.00-V22.16.02.00	
	5112200100330129		--	Sacharčuk_Malešovice	Plant #6	Hybrid Inverter	6.0K-25A-3P	WIFI-/	V01.00.00.00-V22.46.02.00	

View Device Data & Export a Data Report

Real-time info Page

← **Real-time info** Power/Production Professional parameters

Device Name SN A1 Last update time 04:58:11 2024.10.09

Inverter basic parameters

Device Status	Normal	Work Mode	Economic Mode	Meter status
Feed in grid	On	Feed in Grid	0.5kW	Total operation time
Inverter Temperature	46.3°C	Device Type	Hybrid Inverter	Device Model
Rated Power	40.00kW	Slave Firmware Version	V03.01.01.02-V05.54.07.00	Check Code
Communication mode	WIFI-/	Device role	Independent	Connection date
PV Power	1.89kW	Daily PV generation	6.00kWh	Total PV generation
				1.75MWh

Load

	L1	L2	L3
Backup Load Voltage(V)	236.3	237.2	236.8
Backup Load Active Current(A)	0.3	0.2	0.3
Backup Load Power(kW)	0.06	0.05	0.06
Backup Frequency(Hz)	50.04	50.05	50.04
On-grid load power(kW)	0.53	0.65	0.57

Meter

Meter Total Power	0.48kW	Meter L1 power	0.21kW	Meter L2 power	0.12kW
Meter L3 power	0.15kW				

Inverter AC parameters

	L1
AC Voltage(V)	236.6
AC Active Current(A)	3.3
AC Power(kW)	0.79

PV Side

	Voltage(V)	Current(A)	Power(kW)
PV1	340.5	0.1	0.03
PV2	436.4	0.2	0.09
PV3	339.0	0.1	0.03
PV4	333.4	5.2	1.74

Battery

Battery_ID Set	Pylon_HV	Master BMS SN	--	Battery Capacity	39.072kWh
Battery Temperature	26.0°C	Charging and Discharging status	--	BMS communication status	Normal
Battery power	0.00kW	Battery current	0.0A	Battery voltage	551.8V
SOC	99.00%	SOH	100.0%	Min Cell Voltage	3.325V
Max Cell Voltage	3.330V	Charge current limit	14.8A	Discharge current limit	37.0A

Real-time information about the parameters of inverter, PV side, inverter, meter, battery and load.

View Device Data & Export a Data Report

Power/Production Page

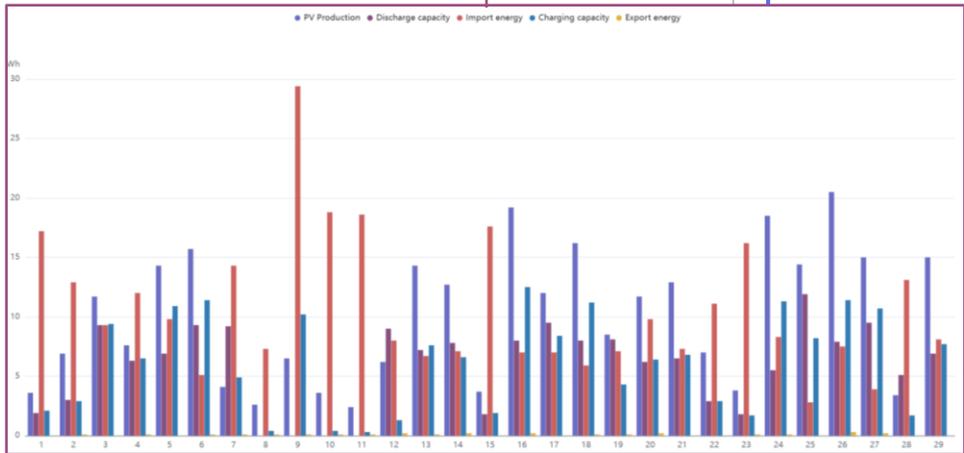
Freely select the desired time to view



Switch to day/month/year/total statistics chart

The day statistics chart uses a line graph to display the changes in PV power, battery power, grid power, and SOC every five minutes.

The month/year/total charts use a bar graph to compare the PV production, battery charge/discharge capacity, and export energy to the grid.



View Device Data & Export a Data Report

Professional params Page

Select the date you want to check.

Save the selected parameter combination as a template for later direct use.

Export a data report

Select the parameters you want to view, multiple selections are allowed, but the units of the selected parameters must not exceed two. After clicking "confirm", a data line chart will be generated.



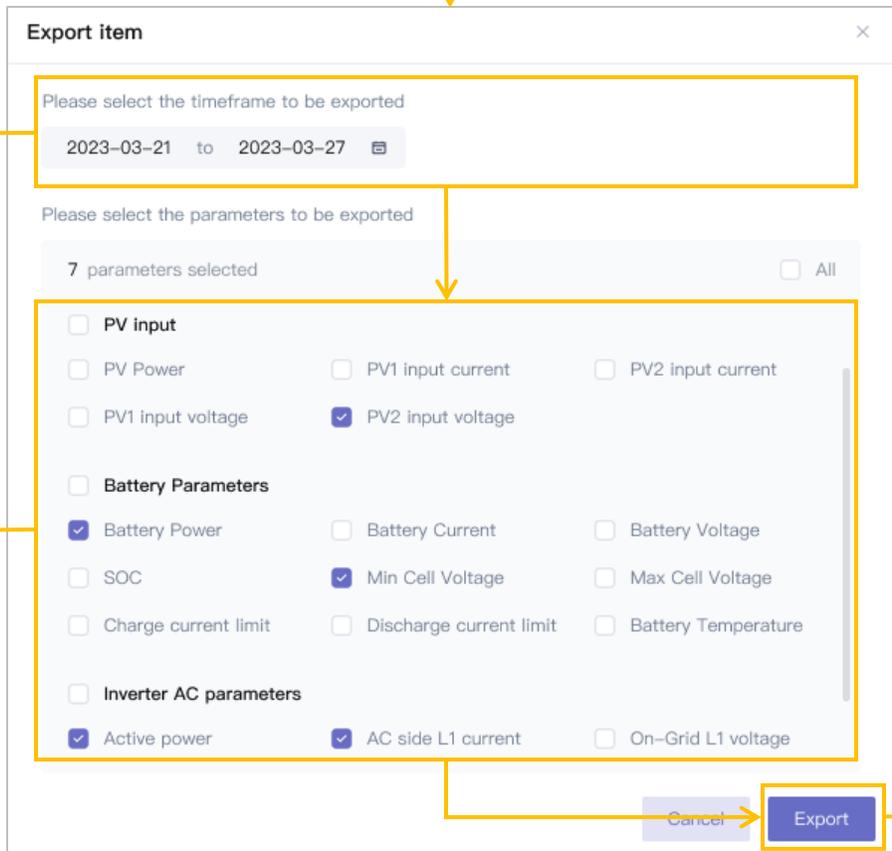
Line Chart

View Device Data & Export a Data Report

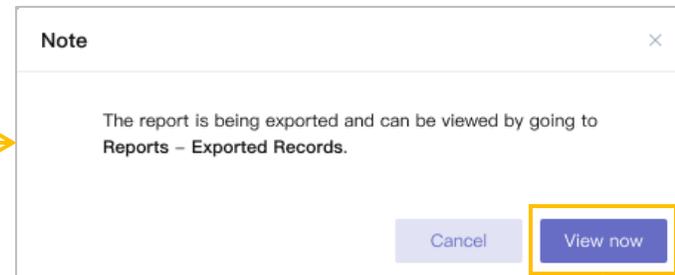
Export a Data Report



Select the start and end times for the report you want to export (within 7 days)



Select the parameters for the report you want to export



Directly jump to the "Export records", the sub-page of the "Report" Page.

Configure the Device

Method 1

Select "Plants" on the left side

Status	Plant name	Address
	Plant #5	Estr. das V
	Plant #6	Malešovic

Select the plant which the device belongs to

Click "Devices" at the top of the page.

Device name	Device SN	Superior device	Device type	Device model	Remote - Local	Slave firmware version	Operate	
Sacharčuk_Malešovice	5112200100330129	95%	--	Hybrid Inverter	6.0K-25A-3P	WIFI-/	V01.00.00.00-V22.46.02.00	

Method 2

Select "Devices" on the left side and select the "Device list"

Sta...	Device SN	Superior device	Device name	Plant name	Device type	Device model	Remote - Local	Slave firmware version	Operate	
	A21230015823004C	89%	--	#1	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A21230012053004A	89%	--	#2	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A212300175430040	89%	--	#1	Plant #3	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A21230011673004A	89%	--	#2	Plant #1	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A212300102930049	89%	--	#1	Plant #2	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	Z112300200831256	--	Diana Pereira - Samora Correia - PT	Plant #5	Hybrid Inverter	Hybrid-6K	LAN-/	V01.00.00.00-V22.16.02.00		
	5112200100330129	68%	--	Sacharčuk_Malešovice	Plant #6	Hybrid Inverter	6.0K-25A-3P	WIFI-/	V01.00.00.00-V22.46.02.00	

In the row of the device you want to configure, find the "Operate" column, and click the button shown to enter "Parameter settings" page.

Next slide

Configure the Device

Method 1

Select "Plants" on the left side

Status	Plant name	Address
	Plant #5	Estr. das V
	Plant #6	Malešovic

Select the plant which the device belongs to

Click "Devices" at the top of the page.

Device name	Device SN	Superior device	Device type	Device model	Remote - Local	Slave firmware version	Operate	
Sacharčuk_Malešovice	5112200100330129	95%	--	Hybrid Inverter	6.0K-25A-3P	WIFI-/	V01.00.00.00-V22.46.02.00	

Method 2

Select "Devices" on the left side and select the "Device list"

Sta...	Device SN	Superior device	Device name	Plant name	Device type	Device model	Remote - Local	Slave firmware version	Operate	
	A21230015823004C	89%	--	#1	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A21230012053004A	89%	--	#2	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A212300175430040	89%	--	#1	Plant #3	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A21230011673004A	89%	--	#2	Plant #1	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A212300102930049	89%	--	#1	Plant #2	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	Z112300200831256	--	Diana Pereira - Samora Correia - PT	Plant #5	Hybrid Inverter	Hybrid-6K	LAN-/	V01.00.00.00-V22.16.02.00		
	5112200100330129	68%	--	Sacharčuk_Malešovice	Plant #6	Hybrid Inverter	6.0K-25A-3P	WIFI-/	V01.00.00.00-V22.46.02.00	

In the row of the device you want to configure, find the "Operate" column, and click the button shown to enter "Parameter settings" page.

Next slide

Configure the Device

- Basic params
- Power control
- Grid connection par... ^
- Feature parameters
- Load management
- Maintenance
- CT Test

Modifiable items

Download the parameter report

Parameter download

Disclaimers

Hard

Hard
Inverter shut down

Soft

Output power= Rated power* Feed in grid value

When the inverter loses communication with the meter, the Hard mode will directly stop the inverter output, while the Soft mode will limit the output to the feed-in-grid value you set.

Power control

Export limit Off On

Enable the Export limit if needed

Feed in grid

0

Set the power value allowed to exported to the grid

kw

Export control

Hard

Maximum output power

Rated

DI port configuration

Off

Off

Demand response modes

Ripple control receiver

Adapted to power dispatching devices RCR and DRM.

Basic params

Safety code settings

Set according to local safety regulation requests.

Czech(A1)

Work mode

General mode

Economic mode

UPS mode

Off-grid mode

Battery ID

WattLi_HV

Select compatible battery brands from the list

SOC protection settings

On-grid SOC protection Off On

On-grid end SOC 20.0 %

Off-grid SOC protection Off On

Off-grid end SOC 20.0 %

Battery will stop discharge power when the battery level reaches the SOC set value

Configure the Device

Grid connection parameter

Grid connection parameter is a configuration channel open to highly specialized distributors or installers, which includes professional configurations such as over-voltage and under-voltage settings, over-frequency and under-frequency settings, active and reactive power output control, various protection parameters, and low-voltage ride-through settings.

For more information, please get in touch with the after-sales technical team

📎 Grid connection parameter ▾

- Protection parameters
- Grid connection parameter
- Reactive power control
- Voltage related active power P(U)
- Active response to frequency deviation (FP)
- LVRT

LVRT

LVRT switch

Entry voltage

Lock out voltage

Point 1 voltage

Point 1 protection time

Point 2 voltage 22.1 V

Point 2 protection time 1951 ms

Point 3 voltage 69.0 V

Point 3 protection time 3100 ms

Point 4 voltage 84.0 V

Point 4 protection time 2081 ms

Point 5 voltage 115.0 V

Point 5 protection time 5000 ms

Protection parameters

10-min overvoltage protection switch Off On

OV/UV settings

Level-1 UV protection threshold	195.5	V
Level-1 UV protection time	740	ms
Level-1 OV protection threshold	264.5	V
Level-1 OV protection time	500	ms
Level-2 UV protection threshold	184.0	V
Level-2 UV protection time	120	s
Level-2 OV protection threshold	276.0	V
Level-2 OV protection time	120	ms

OF/UF settings

Level-1 UF protection threshold	47.50	Hz
Level-1 UF protection time	400	ms
Level-1 OF protection threshold	52.00	Hz
Level-1 OF protection time	400	ms
Level-2 UF protection threshold	47.50	Hz
Level-2 UF protection time	400	ms
Level-2 OF protection threshold	52.00	Hz
Level-2 OF protection time	400	ms

Grid connection parameter

Grid connection switch Off On

Active power increase gradient 8.0 %Pn/min

Starting to generate power

Lower voltage	195.5	V
Upper voltage	253.0	V
Lower frequency	49.50	Hz
Upper frequency	50.10	Hz
Observation time	60	s

Reconnection after tripping

Lower voltage	195.5	V
Upper voltage	253.0	V
Lower frequency	47.50	Hz
Upper frequency	50.10	Hz
Observation time	300	s

Active response to frequency deviation (FP)

Power response to overfrequency (OFP)

Overfrequency FP curve switch Off On

Overfrequency threshold	50.20	Hz
Overfrequency threshold power	100.0	%
Overfrequency end point frequency	51.50	Hz
Overfrequency end point power	48.0	%
Overfrequency slope	40.00	%/Hz
Overfrequency droop	0.00	%
Overfrequency recovery threshold	50.10	Hz
Overfrequency deactivation time	1	s
Overfrequency power recovery rate	100.0	%/min

Configure the Device

Feature parameters

Multiple inverter role: If inverter in parallel system, change the role as "master" or "slave"

On/Off-grid switch: Off On Keep this function enabled, or the inverter can't switch between on/off-grid

MPPT parallel connection: Disable Enable

Unbalanced output: Disable Enable Default to open to enable phase unbalanced output on the on-grid side

Off-grid overload reconnection delay: S

N-PE check: Off On

Emergency shutdown mode:

If there are no special requirements, you can save the default settings

Load management

Load management:

Smart mode:

Feed-in power threshold: W

Minimum operation hours:

Daily max operation hours:

Consumption power threshold: W

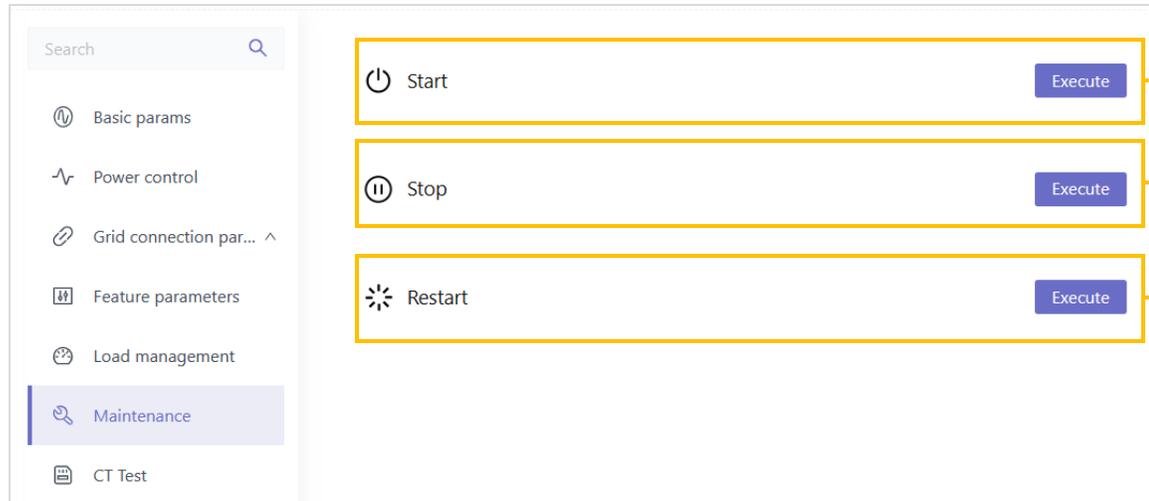
End SOC threshold: %

Time control

	Start time	Operate
<input type="checkbox"/>	00:00-00:00	<input type="button" value="✎"/>
<input type="checkbox"/>	00:00-00:00	<input type="button" value="✎"/>
<input type="checkbox"/>	00:00-00:00	<input type="button" value="✎"/>

"Turn off" by default. "Manual mode" and "Smart mode" can be used in different situations, to increase the utilization rate of green power.

Configure the Device



The screenshot shows a web interface for device configuration. On the left is a navigation menu with a search bar and several categories: Basic params, Power control, Grid connection par..., Feature parameters, Load management, Maintenance (highlighted), and CT Test. The main area displays three maintenance actions, each with an icon and an 'Execute' button:

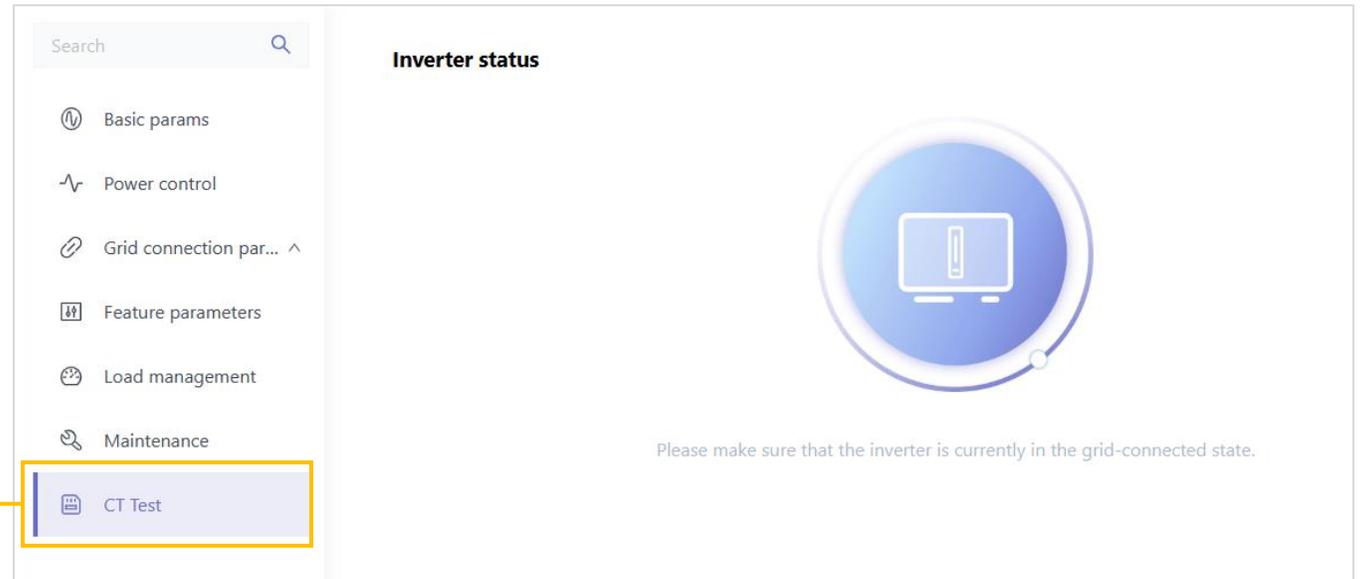
- Start**: Represented by a power button icon.
- Stop**: Represented by a stop icon.
- Restart**: Represented by a refresh/circular arrow icon.

The normal working inverter won't react to this operation, and the waiting mode inverter will enter the working status after clicking this button.

The normal working inverter will enter waiting mode when clicking this button. You can maintain the battery or PV after powering off the inverter.

When the inverter works abnormally, clicking this button to restart the inverter sometimes can solve the problem.

This function will check the phase sequence of smart meter and the direction of CT. Make sure the Inverter, battery and smart meter normal before start this test.



The screenshot shows the 'Inverter status' page. The left navigation menu is identical to the previous screenshot, but the 'CT Test' option is highlighted with a blue bar. The main content area features a large blue circular icon with a white warning symbol (an exclamation mark inside a triangle) and a text instruction below it:

Please make sure that the inverter is currently in the grid-connected state.

View the Device Log



Select "Devices" on the left side and select the "Device list"

Sta...	Device SN	Superior device	Device name	Plant name	Device type	Device model	Remote - Local	Slave firmware version	Operate	
	A21230015823004C	89%	--	#1	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A21230012053004A	89%	--	#2	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A212300175430040	89%	--	#1	Plant #3	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A21230011673004A	89%	--	#2	Plant #1	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A212300102930049	89%	--	#1	Plant #2	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	Z112300200831256	--	Diana Pereira - Samora Correia - PT	Plant #5	Hybrid Inverter	Hybrid-6K	LAN-/	V01.00.00.00-V22.16.02.00		
	5112200100330129	68%	--	Sacharčuk_Malešovice	Plant #6	Hybrid Inverter	6.0K-25A-3P	WIFI-/	V01.00.00.00-V22.46.02.00	

In the row of the device you want to check the log, find the "Operate" column, and click the button shown to enter the "Device log" page.

Device log

SN 5112200100330129 Device name Sacharčuk_Malešovice Plant name Plant #6

Start date → End date Log type Operator Search Reset

No.	Operation time	Log type	Operator	Op...
1	10:22:20 2024.04.26	Device configuration	demo-manager@solinteg.com	Detail
2	10:21:25 2024.04.26	Device configuration	demo-manager@solinteg.com	Detail
3	10:21:13 2024.04.26	Device configuration	demo-manager@solinteg.com	Detail
4	10:21:05 2024.04.26	Device configuration	demo-manager@solinteg.com	Detail

Log details

On-grid SOC 20.0
Off-grid SOC 20.0

The operation time, type and operator can be viewed, and by clicking 'Detail', the specific actions will be shown.

Remote Upgrade Firmware



SOLINTEG

- Device list
- **Firmware upgrade**

Plants

Devices

Alarm

Manage

Select "Devices" on the left side and select the "Firmware upgrade"

Start date → End date Operator Device SN Search Reset

Firmware upgrade

Operator	Firmware version	Creation time	Execution method	Status	Executic	Operation source	Operate
d.danner@mtec-systems.com	V01.xx.xx-V25.xx.xx	13:48:29 2024.04.17	Immediate execution	• Upgrade successfully	Succeed	🖨️	📄 ⏸️ 🗑️
d.danner@mtec-systems.com	Vxx.00.xx-Vxx.46.xx	21:39:16 2024.04.16	Immediate execution	• Upgrade successfully	Succeed	🖨️	📄 ⏸️ 🗑️
d.danner@mtec-systems.com	V01.xx.xx-V25.xx.xx	21:39:16 2024.04.16	Immediate execution	• Upgrade successfully	Succeed	🖨️	📄 ⏸️ 🗑️
d.danner@mtec-systems.com	Vxx.00.xx-Vxx.46.xx	16:55:57 2024.04.16	Immediate execution	• Upgrade successfully	Succeed	🖨️	📄 ⏸️ 🗑️

Click "Firmware upgrade" and then pop up a new window.

Firmware upgrade [X]

Please enter SN number + [🔄] [📄]

SN Operate

No data

Cancel Next

Two Methods to Import SN Code

Method 1: Support manual entry of the SN code. After entering, click the "+" to add.

Method 2: Support batch addition of SN codes by importing an Excel file. The left side is the import button, and the right side is the template for the Excel file.

Next slide →

Complete the addition of the SN codes for the devices that need to be upgraded through these two methods.

Remote Upgrade Firmware

Complete the addition of the SN codes for the devices that need to be upgraded.

Firmware upgrade
✕

+
↶
↵

SN	Operate
A212300175430000	⊗
A212300175430001	⊗
A212300175430002	⊗

Cancel
Next

After selecting the firmware version to upgrade to, click "Next".

Firmware upgrade
✕

Firmware version: V01.xx.xx-V25.xx.xx

Firmware description: test ARM 25

No.	SN	Pre-upgrade version	Upgraded version	Device model
1	A212300175430000	V01.00.00.00-V22.47.02.00	V01.00.00.00-V25.47.02.00	MHT 50kW-3P
2	A212300175430001	V01.00.00.00-V22.47.02.00	V01.00.00.00-V25.47.02.00	MHT 50kW-3P
3	A212300175430002	V01.00.00.00-V22.47.02.00	V01.00.00.00-V25.47.02.00	MHT 50kW-3P

Back
Next

Firmware upgrade
✕

Execution method

Immediate execution

Scheduled execution

If choose "Immediate execution", after clicking "Complete", the device will immediately begin the upgrade process.

Back
Complete

Firmware upgrade
✕

Execution method

Immediate execution

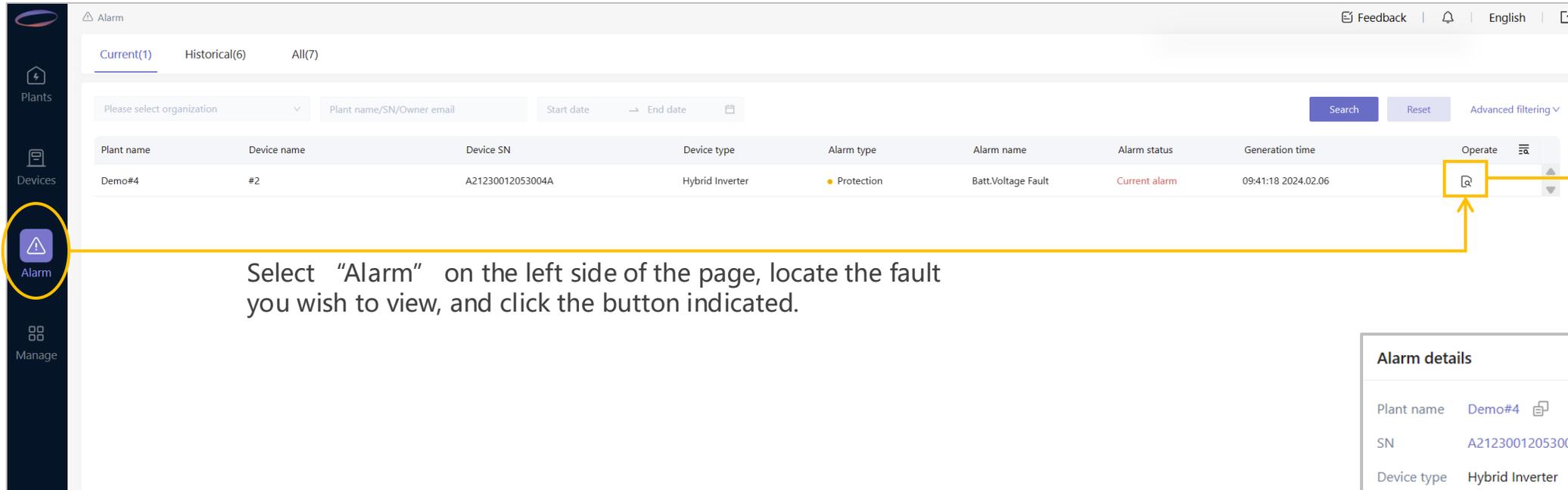
Scheduled execution

2024-04-26
📅
04:00:00
🕒

Support the "scheduled execution" function, set a start time for the upgrade, and the device will automatically begin the upgrade at the specified time.

Back
Complete

View the Detail Information of Alarm



△ Alarm Feedback | English

Current(1) Historical(6) All(7)

Please select organization Plant name/SN/Owner email Start date → End date Search Reset Advanced filtering

Plant name	Device name	Device SN	Device type	Alarm type	Alarm name	Alarm status	Generation time	Operate
Demo#4	#2	A21230012053004A	Hybrid Inverter	● Protection	Batt.Voltage Fault	Current alarm	09:41:18 2024.02.06	

Select "Alarm" on the left side of the page, locate the fault you wish to view, and click the button indicated.

A window will pop up displaying detailed information.

Alarm details ×

Plant name **Demo#4** 

SN **A21230012053004A** 

Device type **Hybrid Inverter**

Alarm name **Batt.Voltage Fault**

Alarm type **Protection**

Alarm status **Current alarm**

Generation time **09:41:18 2024.02.06**

Repair time **--**

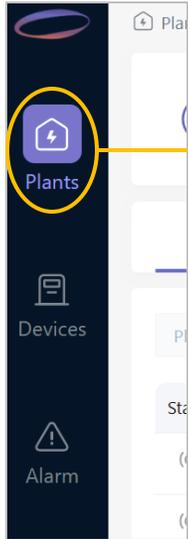
Possible cause **Battery protection got triggered or abnormal battery voltage**

Repair suggestions **1. Check working status of battery.
2. Whether the battery is alarmed.**

"Alarm details" will also provide an analysis of the cause of the fault as well as recommended methods for resolution.

Export a Plant Data Report

Method 1



Select "Plants" on the left side

Status	Plant name	Address
	Plant #5	Estr. das V
	Plant #6	Malešovic

Select the plant you want to view and click on the plant name.

The dashboard displays the following information:

- Normal** status indicator.
- Production today (kWh): **1.30**
- Production total (kWh): **822.00**
- Revenue today (€): **1.30**
- Revenue total (€): **822.00**
- Weather forecast: Today 14/20°C, Wednesday 12/19°C, Thursday 10/19°C, Friday 6/15°C, Saturday 7/15°C.
- Plant details for Babice 343 TestEVcharger:
 - Plant type: Residential Plant
 - Capacity: 7kWp
 - Grid connection time: 2024.05.16
 - Battery capacity: 7.5kWh
 - Plant address: 374 933/7, 614 00 Brno-Maloměřice a Obráňany, Czechia
- Reports > button circled in yellow.
- Time selection: Day, **Month**, Year, Total. Selected: 2024.10.
- Revenue from electricity sales: 582.9€
- Electricity bill savings: 236.9€
- Bar chart showing kWh production and consumption over 31 days.
- Production (kWh): **819.80**
- Consumption (kWh): **251.00**
- Self-consumption: 236.90 kWh
- Export energy: 582.90 kWh
- Import energy: 42.00 kWh
- Self-sufficiency: 209.00 kWh

Click "Reports", and directly navigate to "Report Page".

Export a Plant Data Report

Method 2

1. Click "Report" on the left side and select the "Power station statements" page.

2. Select the plant.

3. Select the time dimension for the statistics

4. Select the items you want to compare and report.

5. Click "Confirm" and then select the time period for statistics.

6. If you want to see the sequential comparison, you can click "Concurrent".

7. Click "Export"

8. The report document will automatically begin downloading

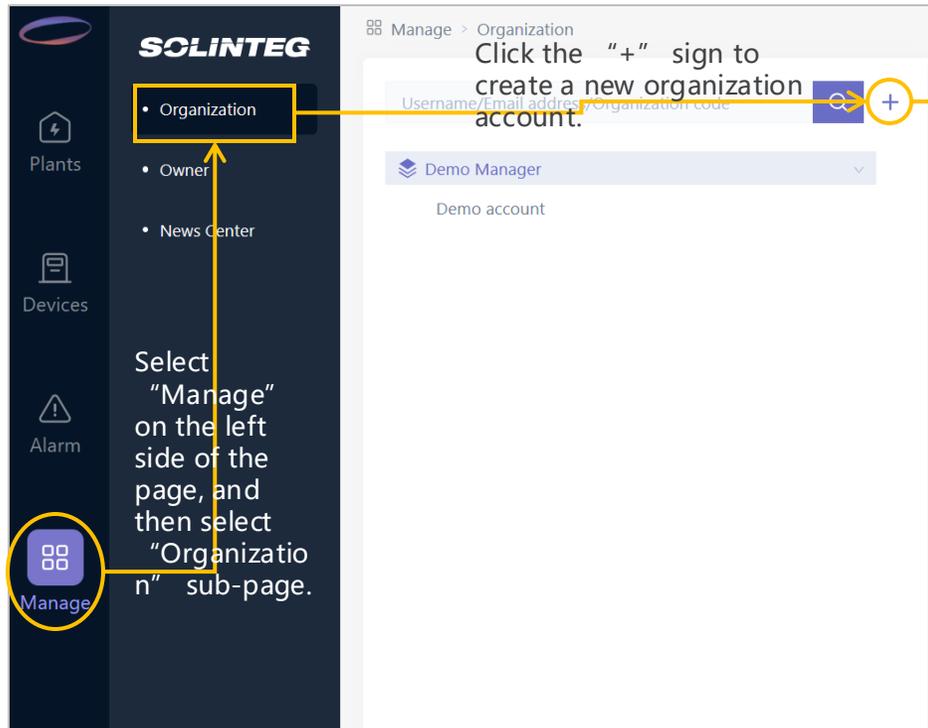
You can choose to use a previously saved template.

You can also create a new template and select the data types you desire

Date	Production (kWh)	Consumption (kWh)	Export energy (kWh)	Import energy (kWh)	Revenue from elec
2024-03-01	3.3				
2024-03-02	4.8				
2024-03-03	8.1	8.1	8.1	8.1	
2024-03-05	11.6	11.6	11.6	11.6	
2024-03-06	12.1	12.1	12.1	12.1	
2024-03-07	9.8	9.8	9.8	9.8	
2024-03-08	31.2	31.2	31.2	31.2	
2024-03-09	21.5	21.5	21.5	21.5	
2024-03-10	17.6	17.6	17.6	17.6	
2024-03-11	22.1	22.1	22.1	22.1	
2024-03-12	12.8	12.8	12.8	12.8	
2024-03-13	19.3	19.3	19.3	19.3	
2024-03-14	12.6	12.6	12.6	12.6	
2024-03-15	15.2	15.2	15.2	15.2	

*The page may change with updates, please refer to the actual website for the latest version.

Create Subordinate Organization Account



SOLINTEG

Manage > Organization

Click the "+" sign to create a new organization account.

Organization

- Owner
- News Center

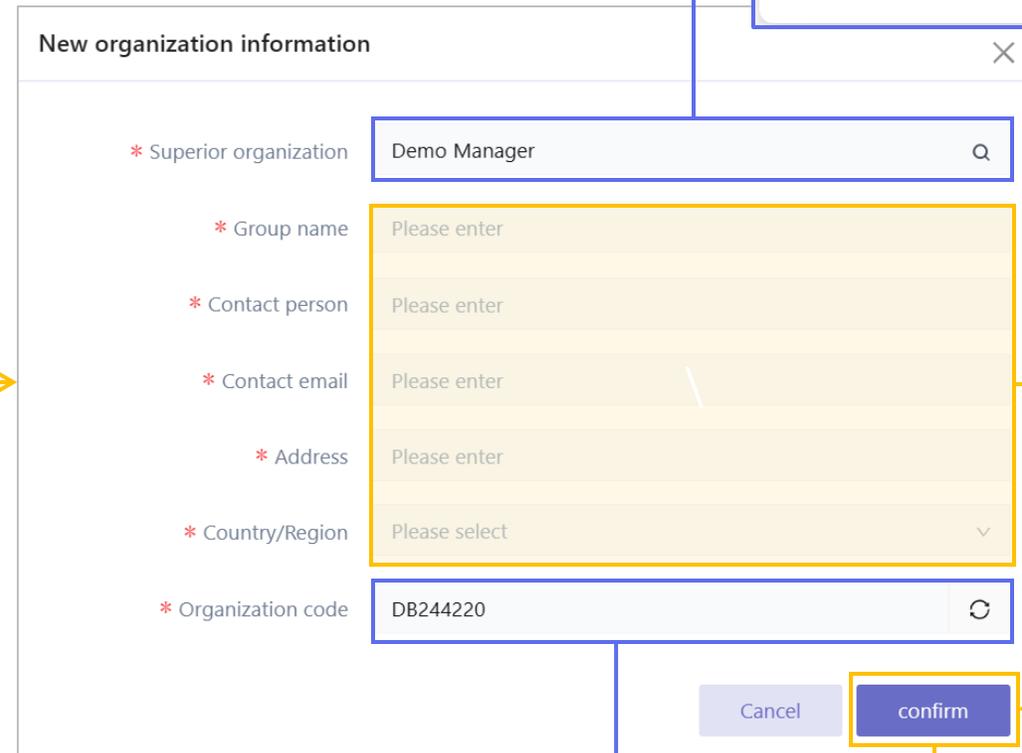
Plants

Devices

Alarm

Manage

Select "Manage" on the left side of the page, and then select "Organization" sub-page.



New organization information

* Superior organization: Demo Manager

* Group name: Please enter

* Contact person: Please enter

* Contact email: Please enter

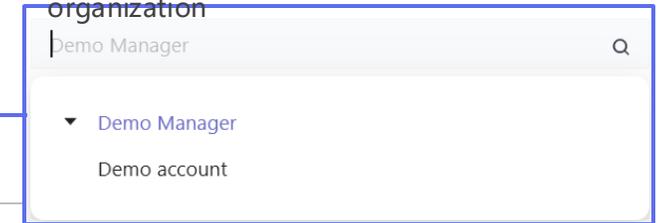
* Address: Please enter

* Country/Region: Please select

* Organization code: DB244220

Cancel confirm

Support to create a new organizational account for this organization or any sub-organization



Demo Manager

▼ Demo Manager

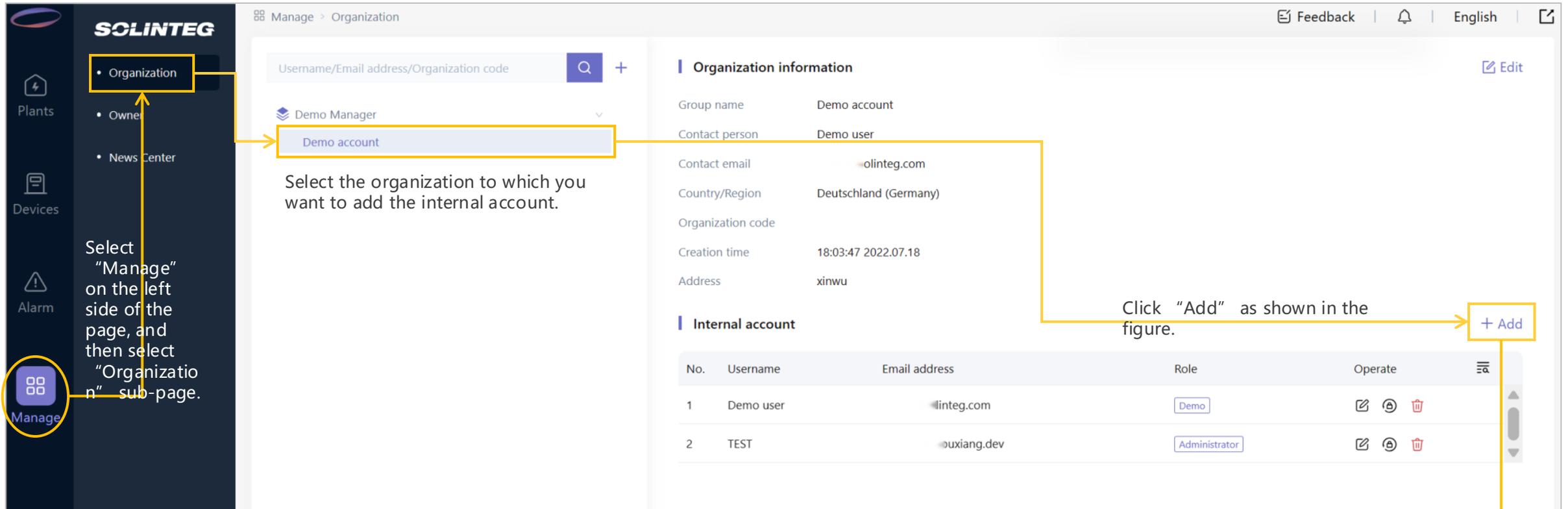
Demo account

Fill in as required.

The organization code is randomly generated and does not need to be filled in.

After clicking "Confirm", the initial password will be sent along with the confirmation email to the email address provided.

Create Internal Account & Limit the Scope of Jurisdiction



The screenshot displays the SOLINTEG management interface. On the left sidebar, the 'Manage' icon is circled in yellow. Below it, the 'Organization' sub-page is selected and highlighted with a yellow box. A yellow arrow points from the 'Organization' sub-page to the 'Demo account' entry in the dropdown menu. Another yellow arrow points from the 'Demo account' entry to the '+ Add' button in the 'Internal account' section. A third yellow arrow points from the '+ Add' button to the 'Next slide' text at the bottom of the slide.

Select "Manage" on the left side of the page, and then select "Organization" sub-page.

Select the organization to which you want to add the internal account.

Click "Add" as shown in the figure.

Next slide

Organization information

Group name	Demo account
Contact person	Demo user
Contact email	olinteg.com
Country/Region	Deutschland (Germany)
Organization code	
Creation time	18:03:47 2022.07.18
Address	xinwu

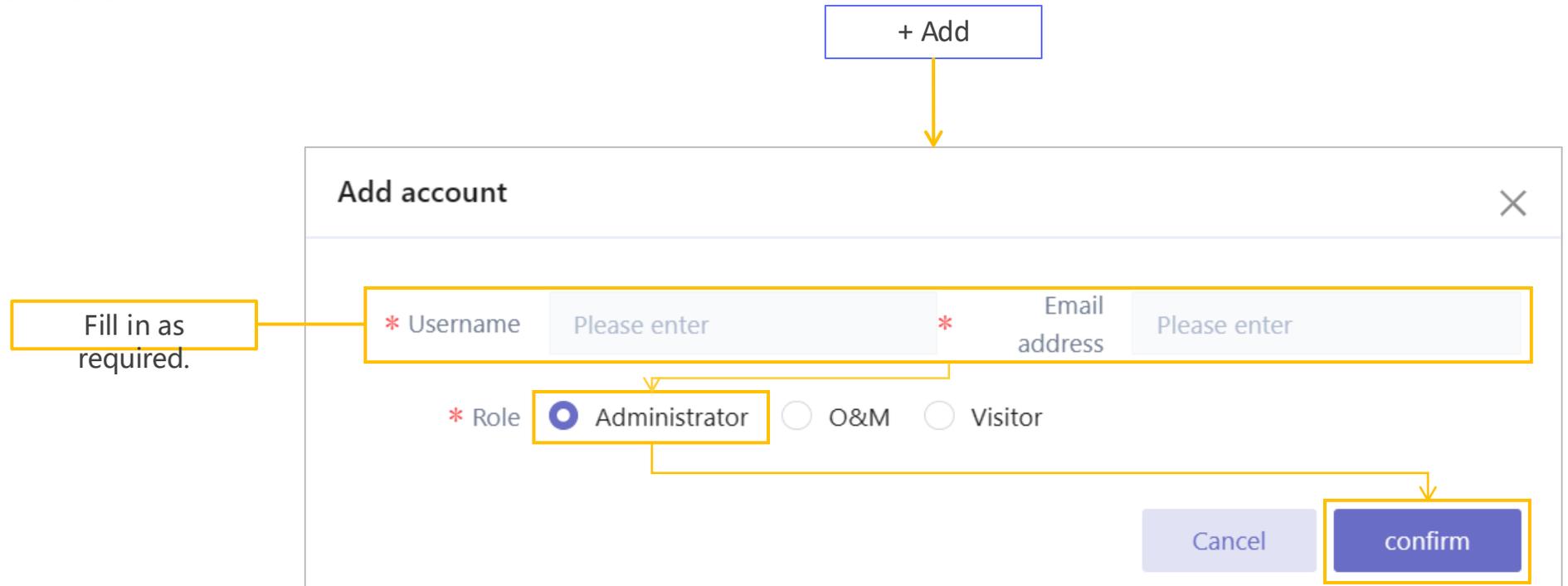
Internal account

No.	Username	Email address	Role	Operate
1	Demo user	olinteg.com	Demo	  
2	TEST	ouxiang.dev	Administrator	  

Create Internal Account & Limit the Scope of Jurisdiction

Administrator Role

The administrator role account has the authority to create and manage all internal accounts, access and modify all power plants and devices.



The image shows a screenshot of a web application interface for adding an account. At the top, a blue box labeled "+ Add" has a yellow arrow pointing down to the "Add account" dialog box. The dialog box has a title bar with "Add account" and a close button (X). Inside the dialog, there are two input fields: "* Username" and "* Email address", both with "Please enter" as placeholder text. Below these is a radio button group for "* Role" with three options: "Administrator" (selected), "O&M", and "Visitor". At the bottom right, there are two buttons: "Cancel" and "confirm". A yellow box highlights the "confirm" button, with a yellow arrow pointing to it from the "Administrator" radio button. Another yellow box labeled "Fill in as required." has a yellow arrow pointing to the "* Username" field. A third yellow box labeled "+ Add" has a yellow arrow pointing to the top of the dialog box.

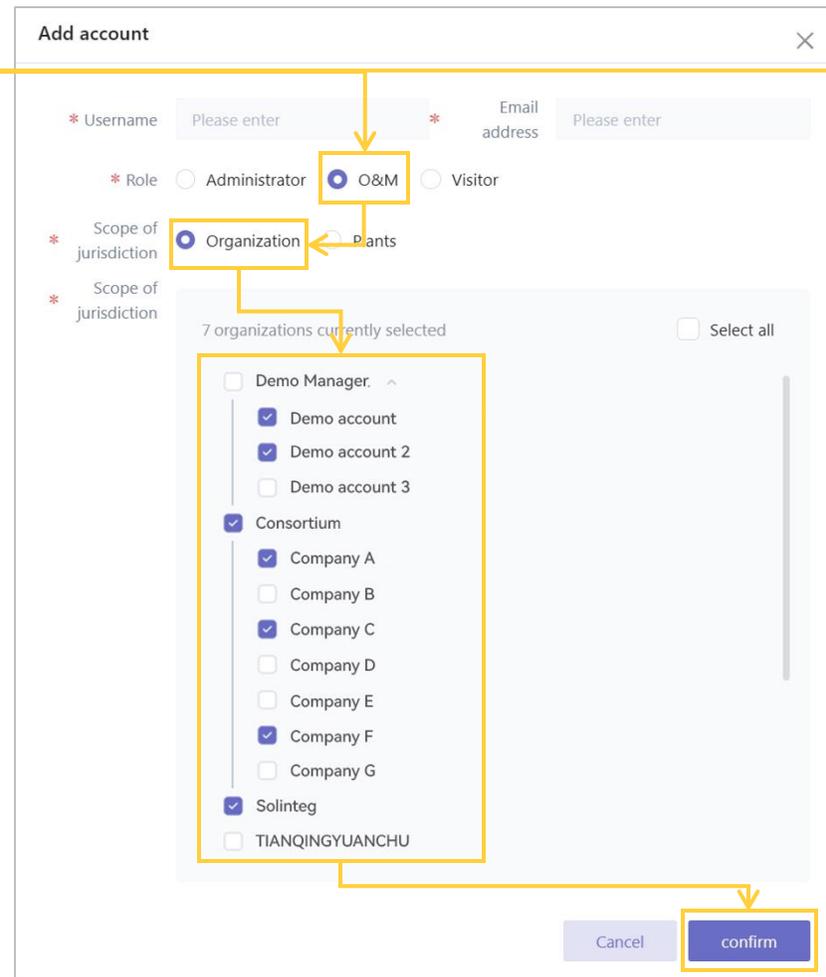
Create Internal Account & Limit the Scope of Jurisdiction

O&M

Role
When creating an O&M role account, you can assign a management scope to it based on the organization or plant, allowing the O&M account to view and manage plants and devices within its management scope.

+ Add

Method 1: Divide internal account permissions based on organization unit.



Add account

* Username * Email address

* Role Administrator O&M Visitor

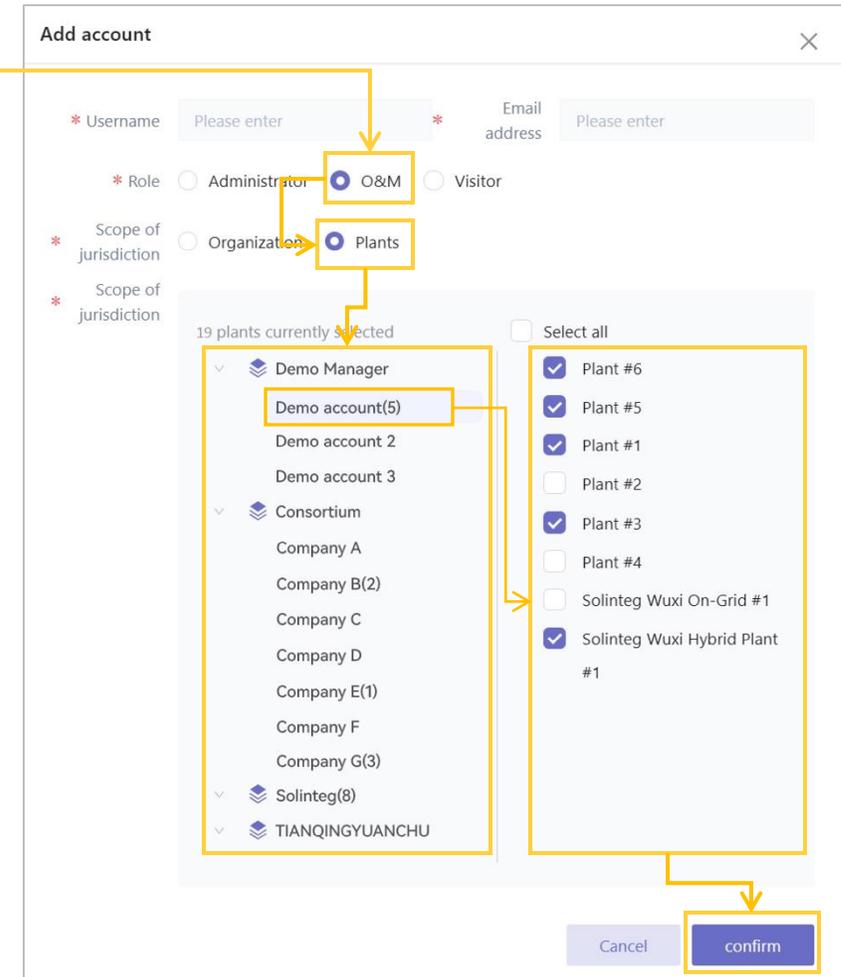
* Scope of jurisdiction Organization Plants

* Scope of jurisdiction

7 organizations currently selected Select all

- Demo Manager.
 - Demo account
 - Demo account 2
 - Demo account 3
- Consortium
 - Company A
 - Company B
 - Company C
 - Company D
 - Company E
 - Company F
 - Company G
- Solinteg
- TIANQINGYUANCHU

Method 2: Divide internal account permissions based on plant unit.



Add account

* Username * Email address

* Role Administrator O&M Visitor

* Scope of jurisdiction Organization Plants

* Scope of jurisdiction

19 plants currently selected Select all

- Demo Manager
 - Demo account(5)
 - Demo account 2
 - Demo account 3
- Consortium
 - Company A
 - Company B(2)
 - Company C
 - Company D
 - Company E(1)
 - Company F
 - Company G(3)
- Solinteg(8)
- TIANQINGYUANCHU
 - Plant #6
 - Plant #5
 - Plant #1
 - Plant #2
 - Plant #3
 - Plant #4
 - Solinteg Wuxi On-Grid #1
 - Solinteg Wuxi Hybrid Plant #1

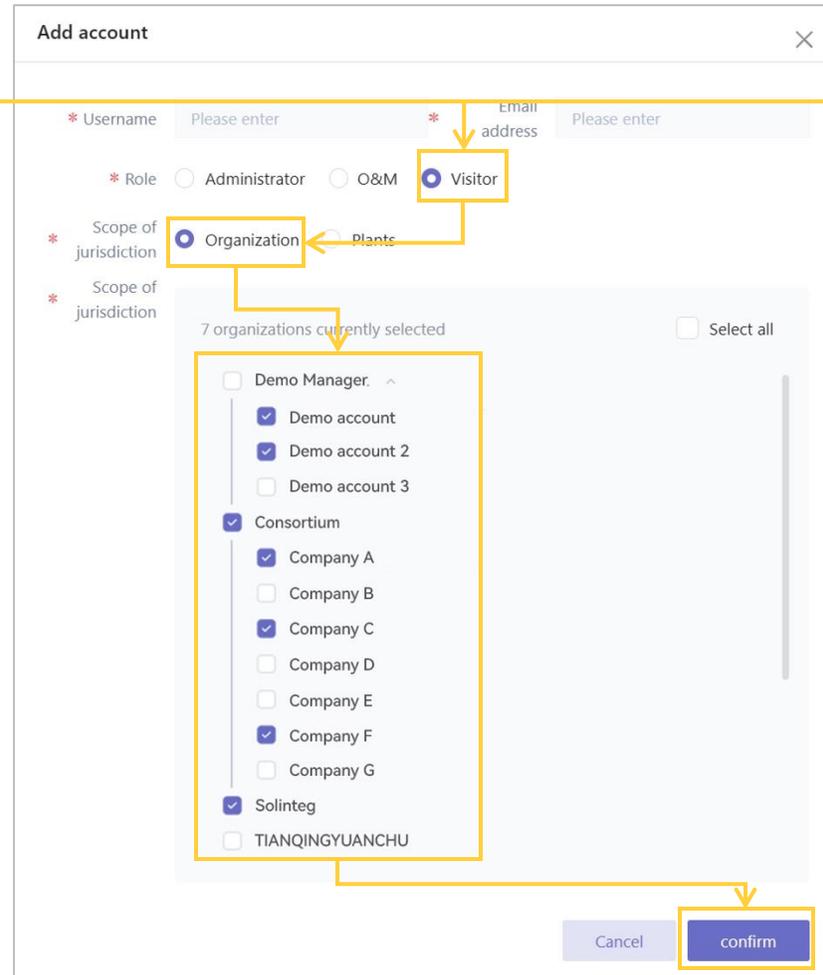
*The page may change with updates, please refer to the actual website for the latest version.

Create Internal Account & Limit the Scope of Jurisdiction

Visitor Role

Visitor role account can also have their access scope set when they are created, but visitor account only has view permission.

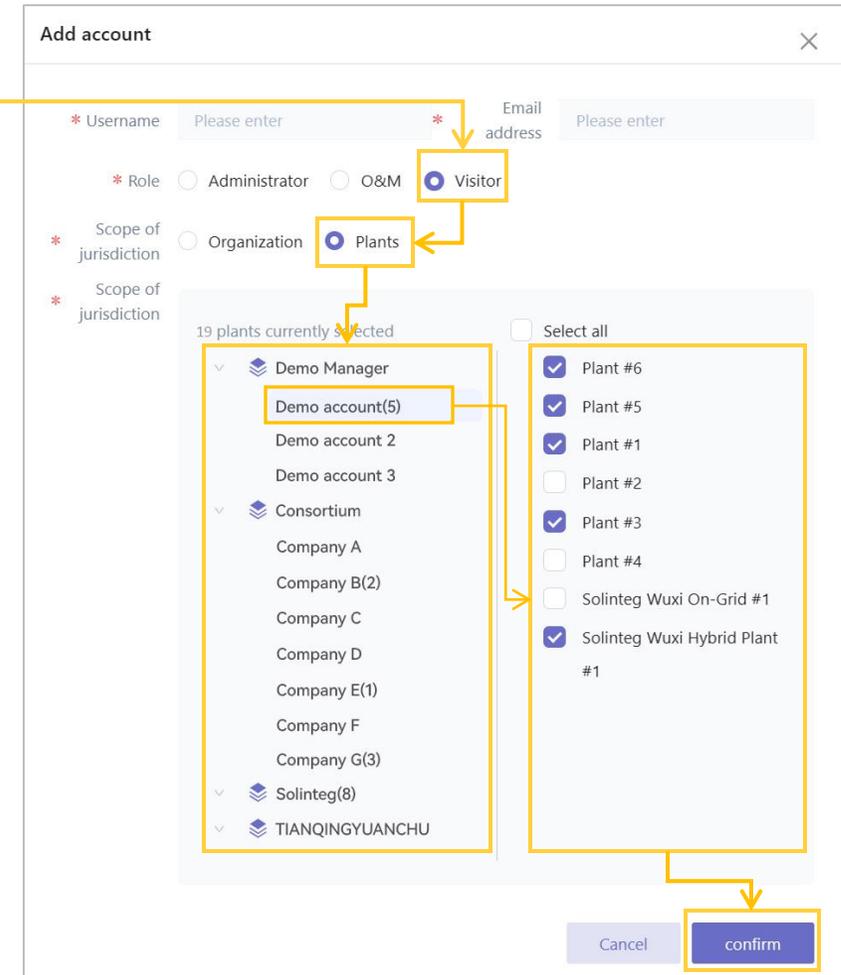
Method 1: Divide internal account permissions based on organization unit.



The screenshot shows the 'Add account' form with the following fields and selections:

- Username:** Please enter
- Email address:** Please enter
- Role:** Administrator, O&M, Visitor
- Scope of jurisdiction:** Organization, Plants
- Scope of jurisdiction (list):** 7 organizations currently selected. The list includes: Demo Manager (expanded), Demo account (checked), Demo account 2 (checked), Demo account 3 (unchecked), Consortium (checked), Company A (checked), Company B (unchecked), Company C (checked), Company D (unchecked), Company E (unchecked), Company F (checked), Company G (unchecked), Solinteg (checked), and TIANQINGYUANCHU (unchecked).
- Buttons:** Cancel and confirm

Method 2: Divide internal account permissions based on plant unit.



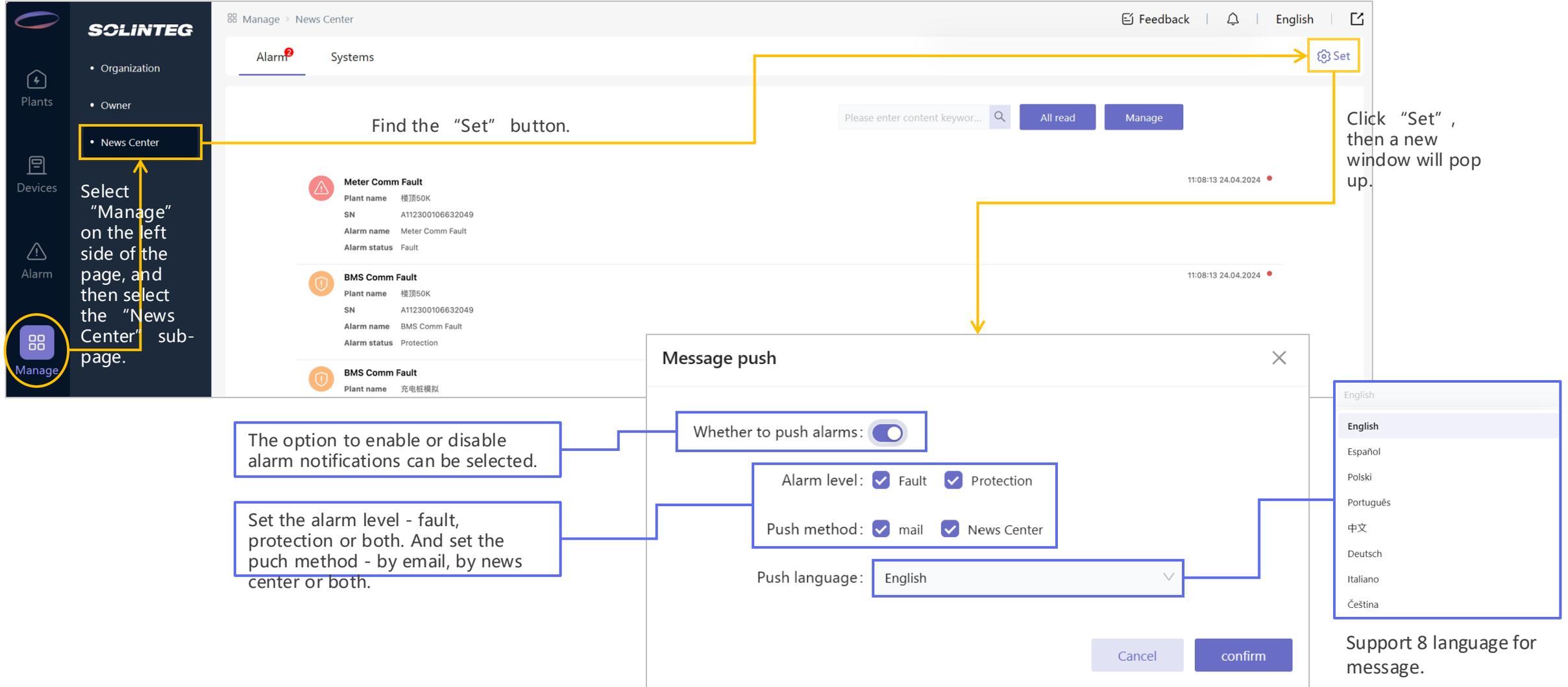
The screenshot shows the 'Add account' form with the following fields and selections:

- Username:** Please enter
- Email address:** Please enter
- Role:** Administrator, O&M, Visitor
- Scope of jurisdiction:** Organization, Plants
- Scope of jurisdiction (list):** 19 plants currently selected. The list includes: Demo Manager (expanded), Demo account(5) (checked), Demo account 2 (unchecked), Demo account 3 (unchecked), Consortium (expanded), Company A (unchecked), Company B(2) (unchecked), Company C (unchecked), Company D (unchecked), Company E(1) (unchecked), Company F (unchecked), Company G(3) (unchecked), Solinteg(8) (unchecked), and TIANQINGYUANCHU (unchecked). On the right, a list of plants is shown: Plant #6 (checked), Plant #5 (checked), Plant #1 (checked), Plant #2 (unchecked), Plant #3 (checked), Plant #4 (unchecked), Solinteg Wuxi On-Grid #1 (unchecked), and Solinteg Wuxi Hybrid Plant #1 (checked).
- Buttons:** Cancel and confirm

+ Add

*The page may change with updates, please refer to the actual website for the latest version.

Set the Push Method of Alarms



Find the "Set" button.

Select "Manage" on the left side of the page, and then select the "News Center" sub-page.

Click "Set", then a new window will pop up.

The option to enable or disable alarm notifications can be selected.

Set the alarm level - fault, protection or both. And set the puch method - by email, by news center or both.

Support 8 language for message.

Message push

Whether to push alarms:

Alarm level: Fault Protection

Push method: mail News Center

Push language: English

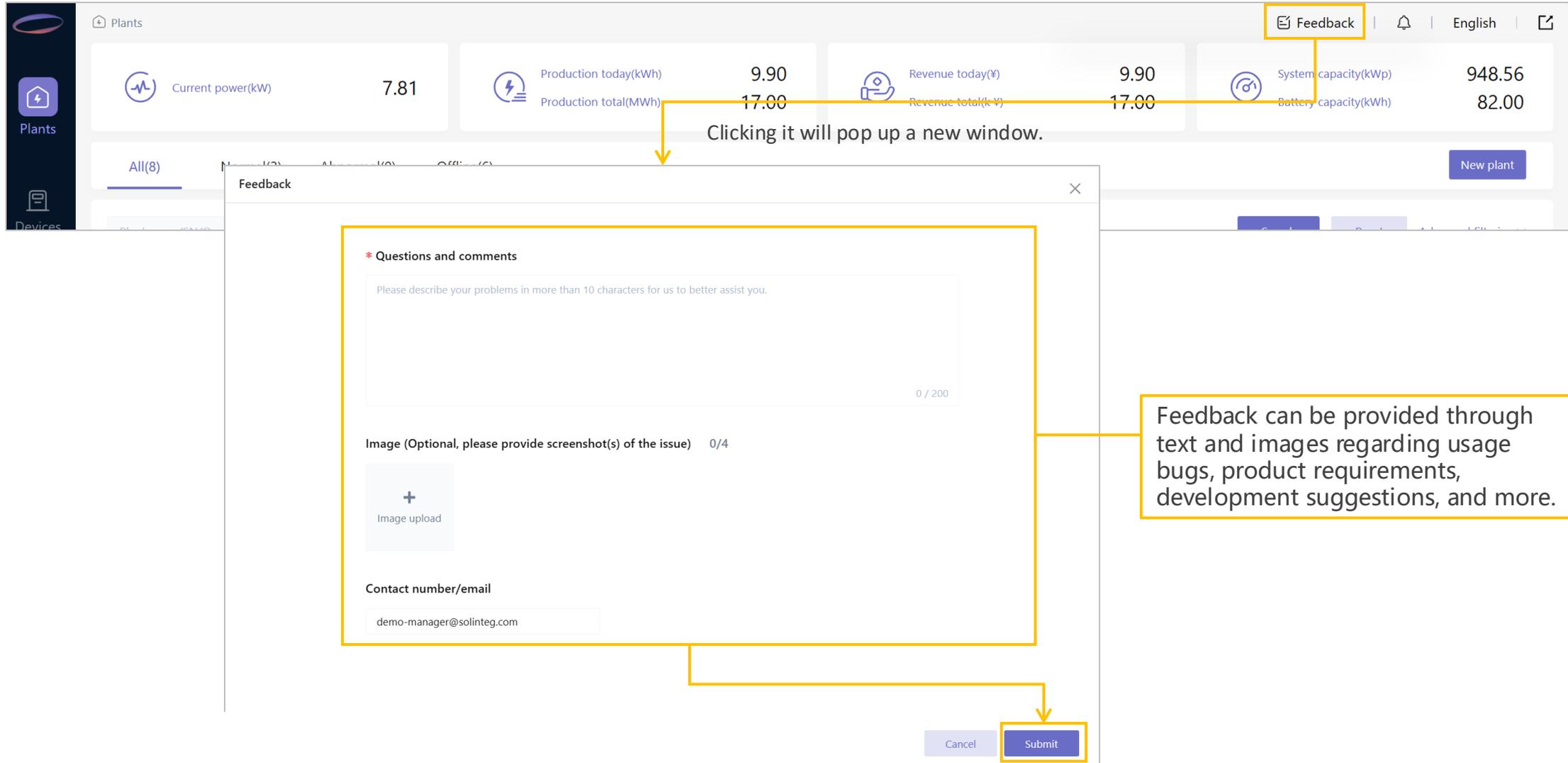
Cancel confirm

English
Español
Polski
Português
中文
Deutsch
Italiano
Čeština

Feedback Function

Method 1

You can find the “Feedback” button at the top right corner of any page



Clicking it will pop up a new window.

Feedback can be provided through text and images regarding usage bugs, product requirements, development suggestions, and more.

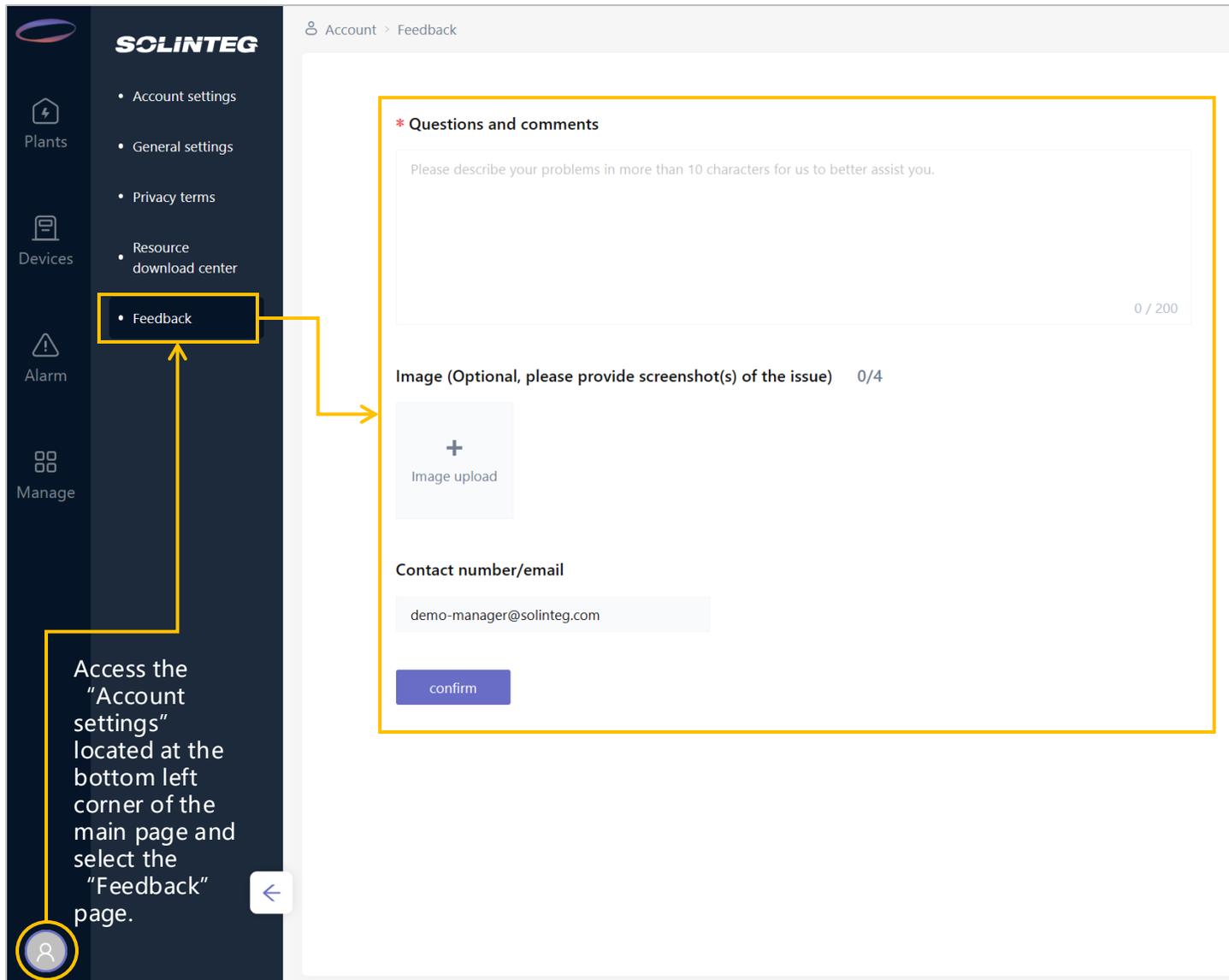
Plant	Current power(kW)	Production today(kWh)	Production total(MWh)	Revenue today(¥)	Revenue total(k ¥)	System capacity(kWp)	Battery capacity(kWh)
All(8)	7.81	9.90	17.00	9.90	17.00	948.56	82.00

Feedback Form:

- * Questions and comments: Please describe your problems in more than 10 characters for us to better assist you. (0 / 200)
- Image (Optional, please provide screenshot(s) of the issue) 0/4
- Contact number/email: demo-manager@solinteg.com
- Buttons: Cancel, Submit

Feedback Function

Method 2



Account > Feedback

- Account settings
- General settings
- Privacy terms
- Resource download center
- Feedback**

*** Questions and comments**

Please describe your problems in more than 10 characters for us to better assist you.

0 / 200

Image (Optional, please provide screenshot(s) of the issue) 0/4

+
Image upload

Contact number/email

demo-manager@solinteg.com

confirm

Access the "Account settings" located at the bottom left corner of the main page and select the "Feedback" page.



IntegHub App

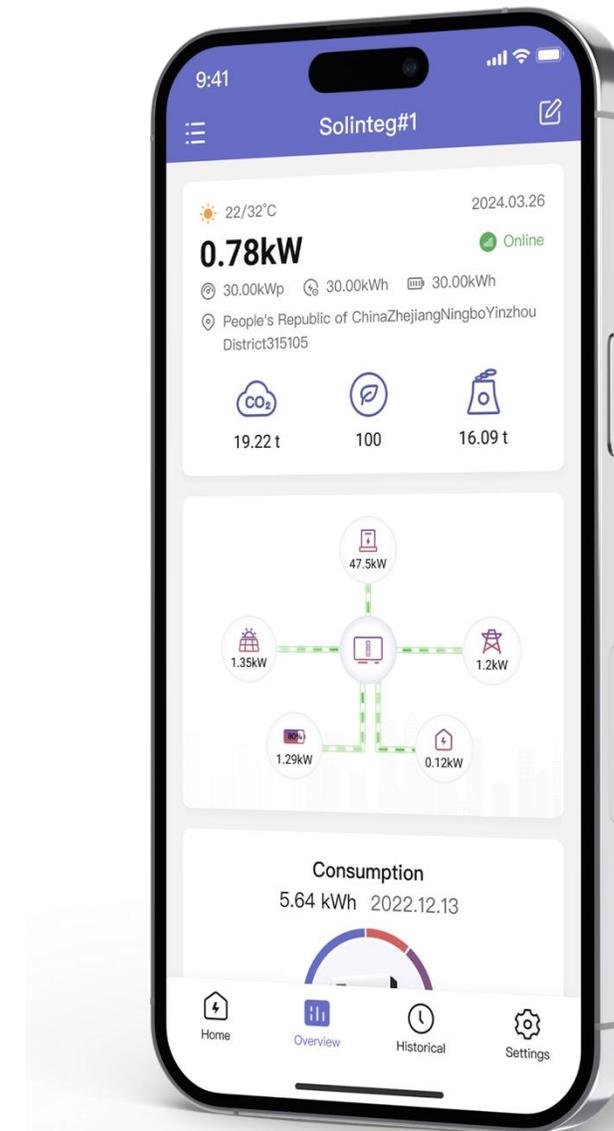
SOULINTEEG

IntegHub App

Introduction

IntegHub App is the portable version of Solinteg cloud monitoring allowing both organization users and owners to monitor and manage their plants and devices at any time anywhere.

IntegHub' s operation steps are similar to the Solinteg-cloud, that will be no need for users to relearn how to use it, which greatly reduces the cost of learning and using.



Highlights

Two in One

Local Control
&
Remote Control

Plant Share without
account information leak

Vivid
Flow Chart

Feedback
Channel

Professional
Statistics

Real-time

Production
&
Consumption

Concise
Interface Design

Alarm
Management
Fault push notification

Remote Control
Anytime & Anywhere

THANK YOU

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