

# Solinteg Monitoring Platform Introduction

V 1.4  
[www.solinteg.com](http://www.solinteg.com)

2025.07.25

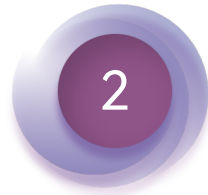
- New Updates on this version

- Device replacement function---[P61](#)
- Breakpoint resume function---[P62](#)
- SOC reset function---[P63](#)
- MPPT Shadow scan function--[P64-65](#)
- Dismiss some faults displayed on the account---[P66-67](#)
- Device log function optimization---[P68-69](#)
- Power plant following function---[P70](#)
- Optimize the organization's alarm-pushing rules---[P71-72](#)
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- Custom switches' definition and explanation---[P79](#)
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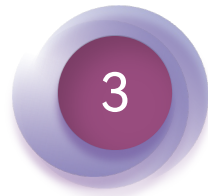
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**Overview**



**Solinteg Cloud**



**IntegHub App**



**New Functions Update**

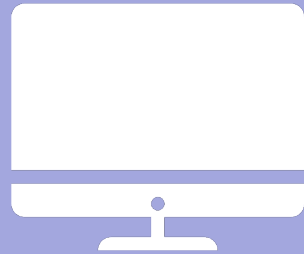


# 01 Overview

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, alarm information, etc.

[PORTAL.SOLINTEG-CLOUD.COM](http://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  
6 Work Modes

Data Report  
Plant & Device

WiFi/  
Bluetooth  
Configuration

Remote  
Upgrade

Plant Report  
Comparison

Parameter  
Report  
Check & Export

Alarm  
Management  
Reminder and solution

Vivid Energy Flow

Organization  
Management

Parameter  
Configuration

Feedback Function

Break Point  
Resume Function

# Authority of Different Accounts

Function	Definition	Owner	Distributor				Demo
			Organization	Administrator	O&M	Visitor	
<b>Plants</b>							
	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	●	●	●	●	○	○
<b>Devices</b>							
	Devices list and searching	●	●	●	●	●	●
	Manage all devices under this account, including add devices , delete devices and edit information of devices.	●	●	●	●	○	○
<b>Devices List</b>	Parameter settings and download	●	●	●	●	○	✘
	Device log	✘	●	●	●	●	✘
	Export professional parameters and create template for viewing	✘	●	●	●	○	○
<b>Firmware Upgrade</b>	Upgrade history list and searching	✘	●	●	●	●	●
	Device latest firmware upgrade	✘	●	●	●	✘	✘

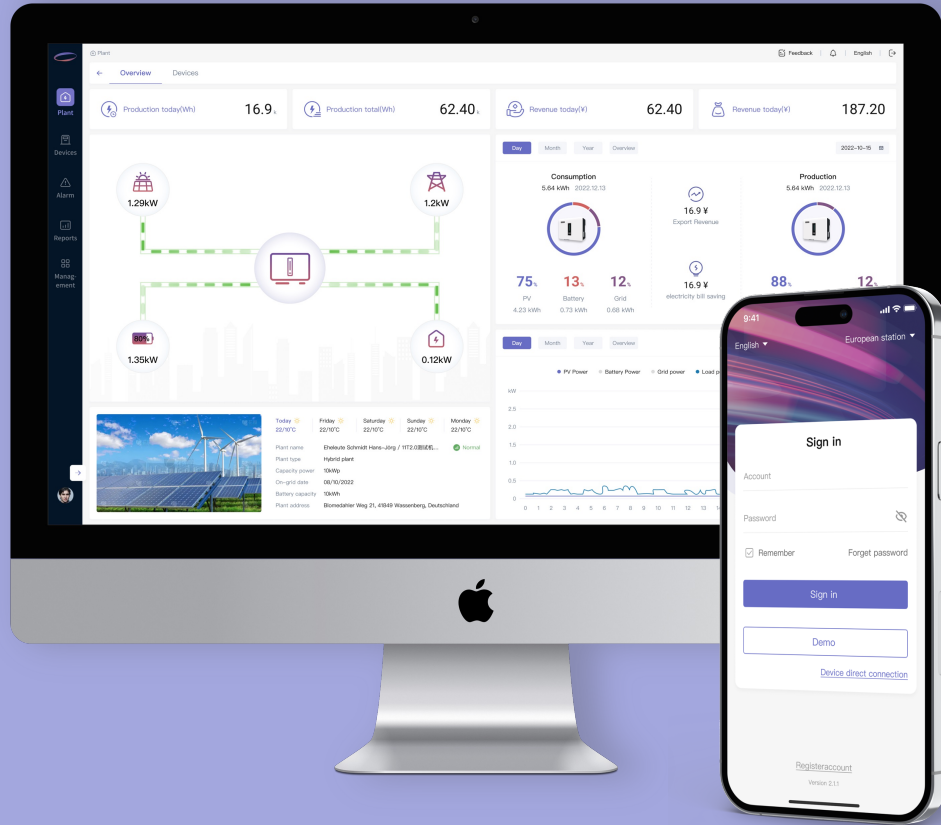
Function	Definition	Owner	Distributor				Demo
			Organization	Administrator	O&M	Visitor	
<b>Alarm</b>							
	Alarm list, searching, details and suggestion view	●	●	●	●	●	●
<b>Report</b>							
<b>Plant report</b>	View and download the monthly/annual/total/customized report	●	●	●	●	○	○
<b>Export records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

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



**02**  
**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

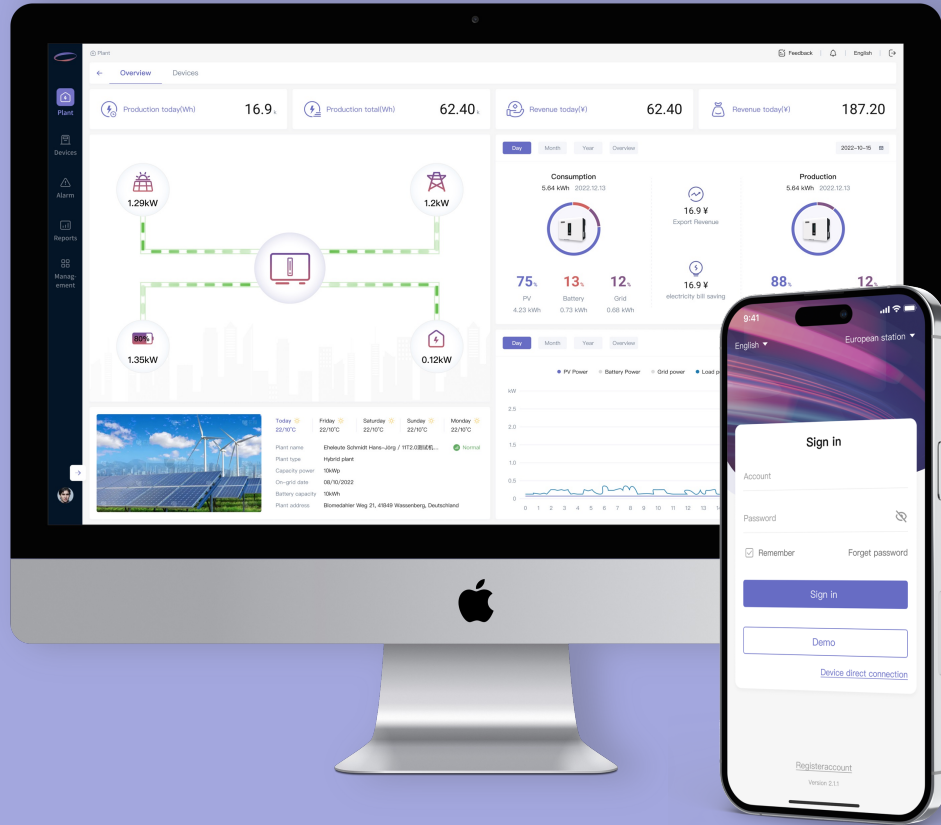
- View the detailed information on alarms

## 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 Monitoring Platform

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# 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 summary bar with key metrics, a filter bar for plant status, a search and filter section, a main table of plant data, and an 'Operate' menu for each row. A detailed filter modal 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	[Edit] [Info] [Delete]
(🟢)	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	[Edit] [Info] [Delete]
(🟢)	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	[Edit] [Info] [Delete]
(🟢)	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	[Edit] [Info] [Delete]
(🟢)	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	[Edit] [Info] [Delete]
(🟢)	Plant #2	ipia	0.05 kWh/kWp	0.00 kW	0.10 kWh	17:12:36 2024.01.13	2.0 kWp	2024.01.02	Utility Plant	[Edit] [Info] [Delete]
(🟢)	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	[Edit] [Info] [Delete]
(🟢)	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	[Edit] [Info] [Delete]

- 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.

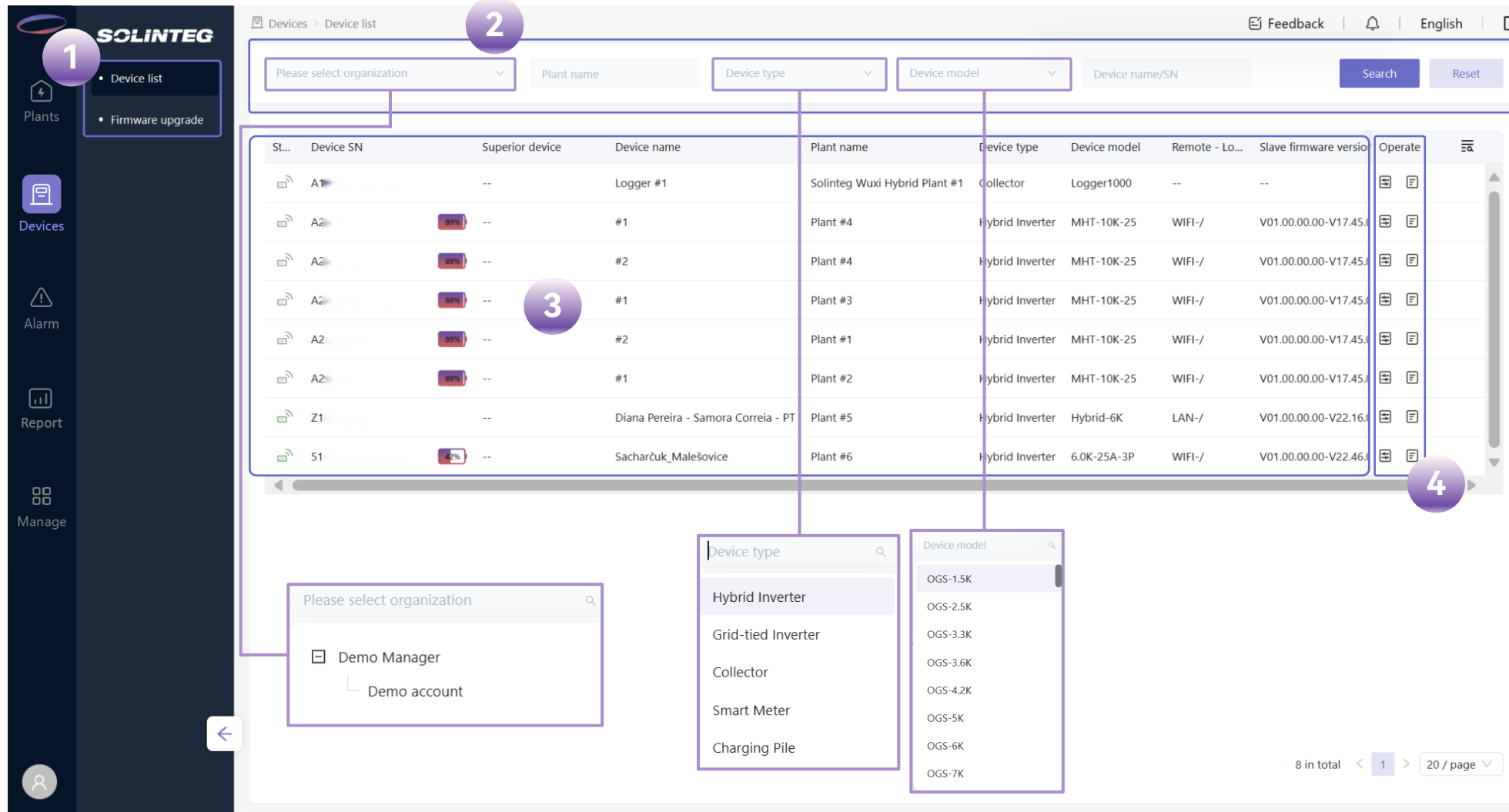
Plant type:  All  Residential Plant  Utility Plant  C&I Plant

Capacity:  -  kWp

Grid connection time:  →



# Main Page - Devices Page (Device list)



**1** The left sidebar contains navigation options: Plants, Devices, Alarm, Report, and Manage. The 'Devices' menu is expanded to show 'Device list' and 'Firmware upgrade'.

**2** The top search bar includes filters for 'Please select organization', 'Plant name', 'Device type', 'Device model', and 'Device name/SN', along with 'Search' and 'Reset' buttons.

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	

**3** The table displays device details, including status indicators (e.g., 89%, 42%) and operational icons.

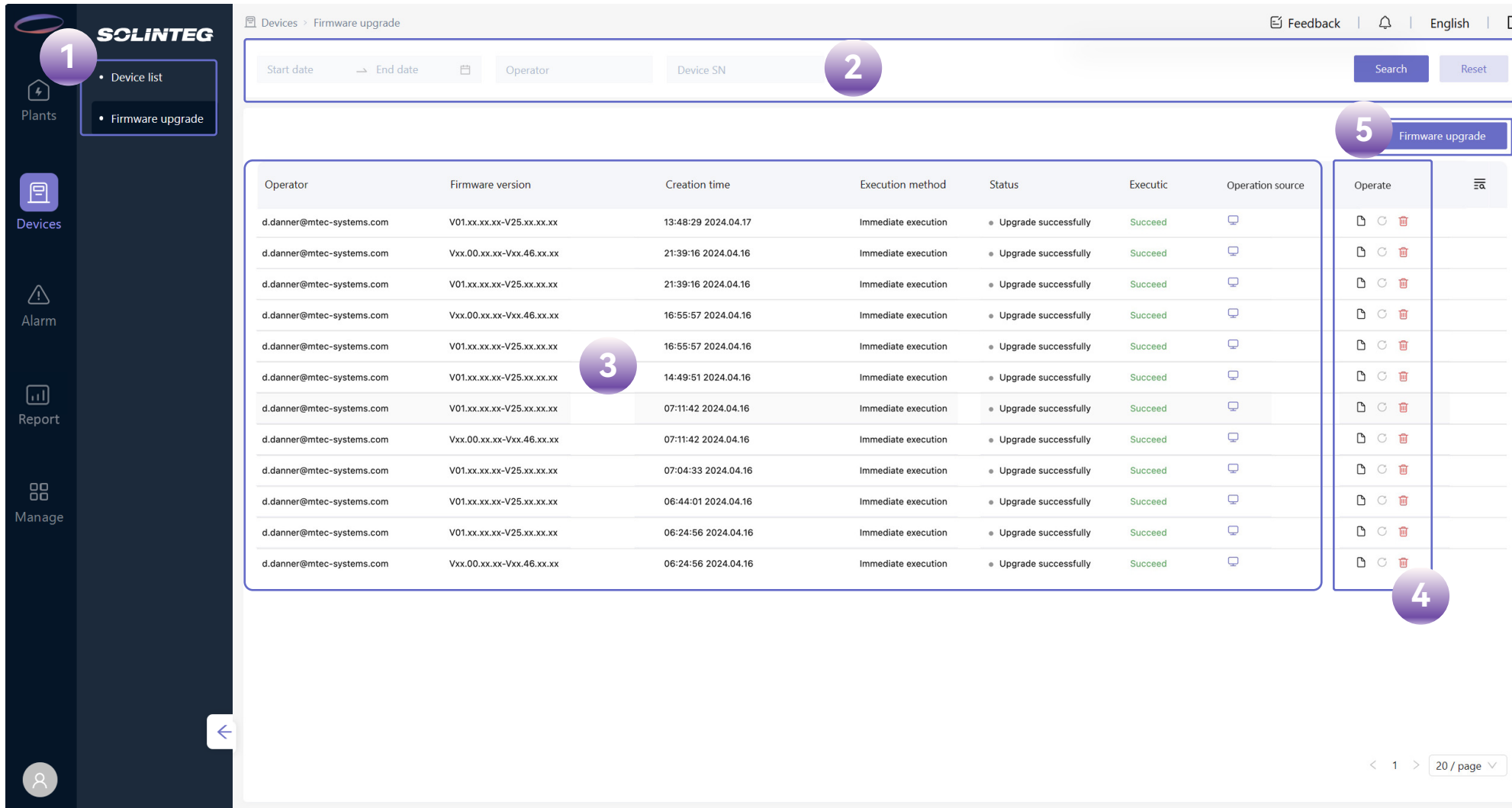
**4** The bottom right shows pagination: '8 in total', page '1', and '20 / page'.

Additional callouts show dropdown menus for 'Please select organization' (listing Demo Manager and Demo account), 'Device type' (listing Hybrid Inverter, Grid-tied Inverter, Collector, Smart Meter, Charging Pile), and 'Device model' (listing OGS-1.5K through OGS-7K).

- 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)



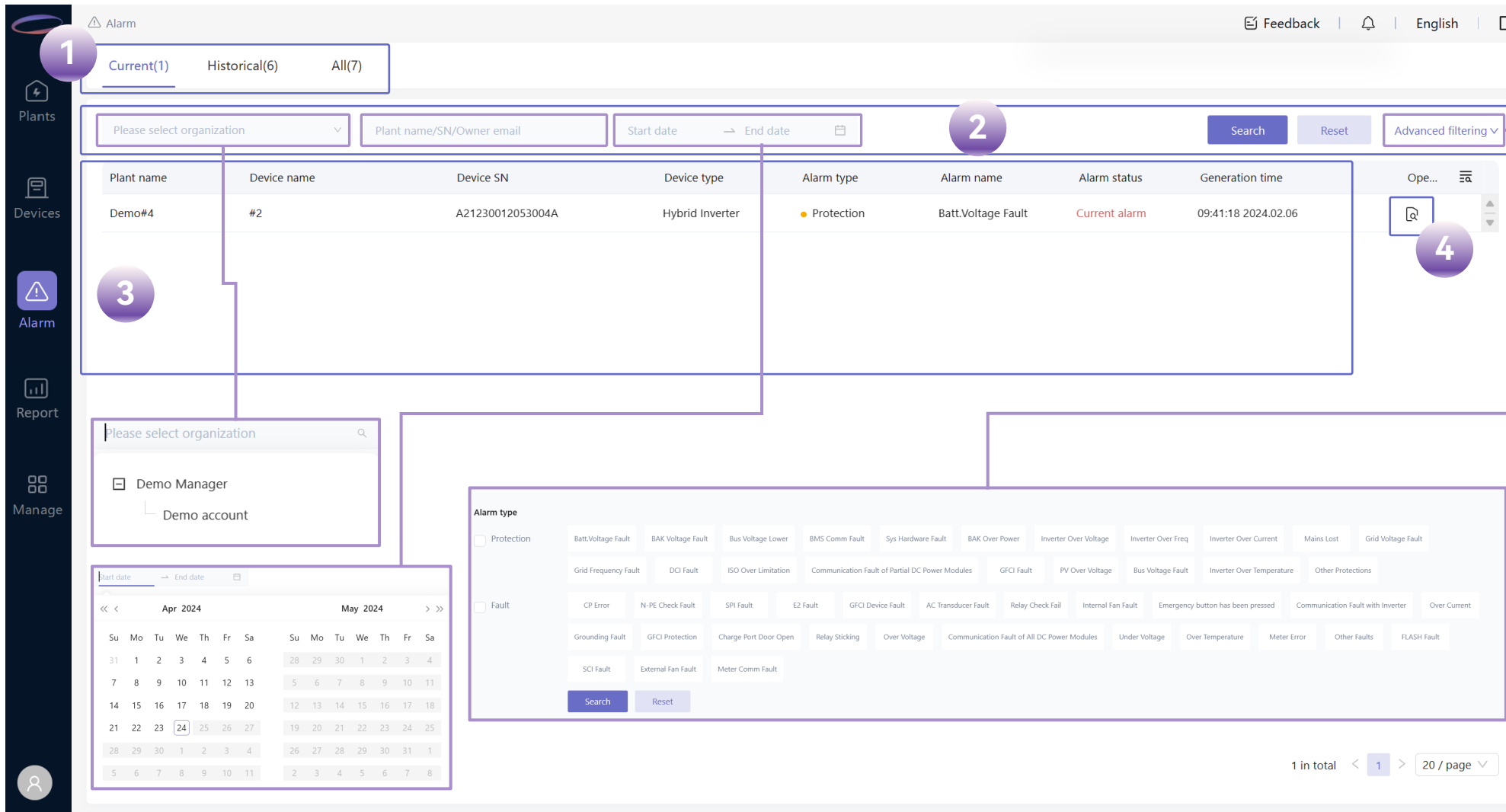
The screenshot shows the 'Firmware upgrade' sub-interface. It features a search bar at the top with filters for Start date, End date, Operator, and Device SN. Below the search bar is a table listing upgrade records. A table with 10 rows and 8 columns is shown below. The columns are: Operator, Firmware version, Creation time, Execution method, Status, Executic, Operation source, and Operate. The table contains 10 rows of data, all showing successful upgrades. A 'Firmware upgrade' button is located at the top right of the table area. At the bottom right, there is a pagination control 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:

- 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**: A table listing alarm details for 'Demo#4'.
- 4**: An 'Advanced filtering' dropdown menu.
- 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 'Protection', 'Fault', 'Batt.Voltage Fault', etc.
- Page Info**: '1 in total' and '20 / page'.

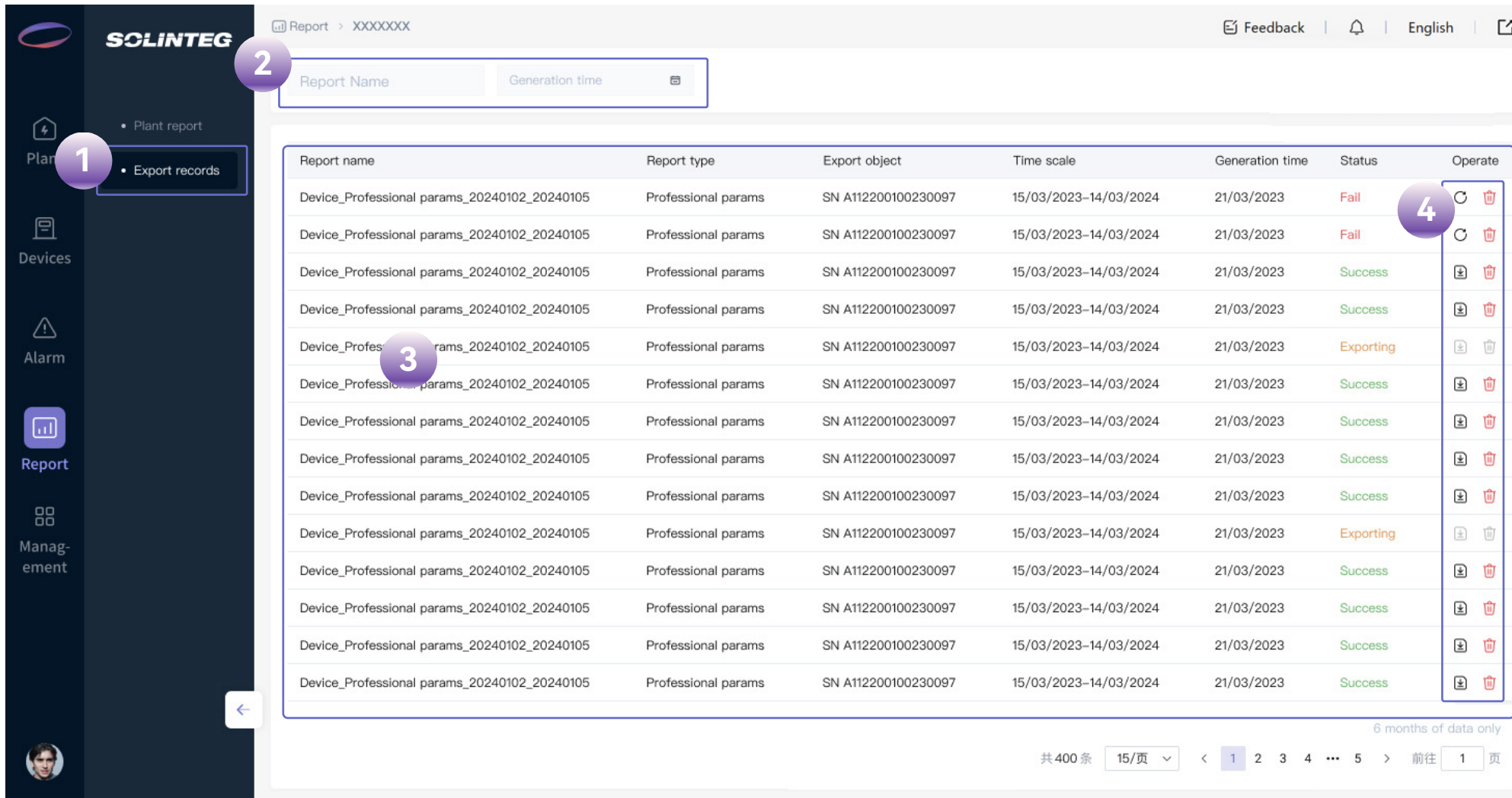
Plant name	Device name	Device SN	Device type	Alarm type	Alarm name	Alarm status	Generation time
Demo#4	#2	A21230012053004A	Hybrid Inverter	Protection	Batt.Voltage Fault	Current alarm	09:41:18 2024.02.06

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





# Main Page - Report Page(Export records)



Report > XXXXXXXX

Feedback | English

1 Plant report  
2 Export records

2 Report Name Generation time

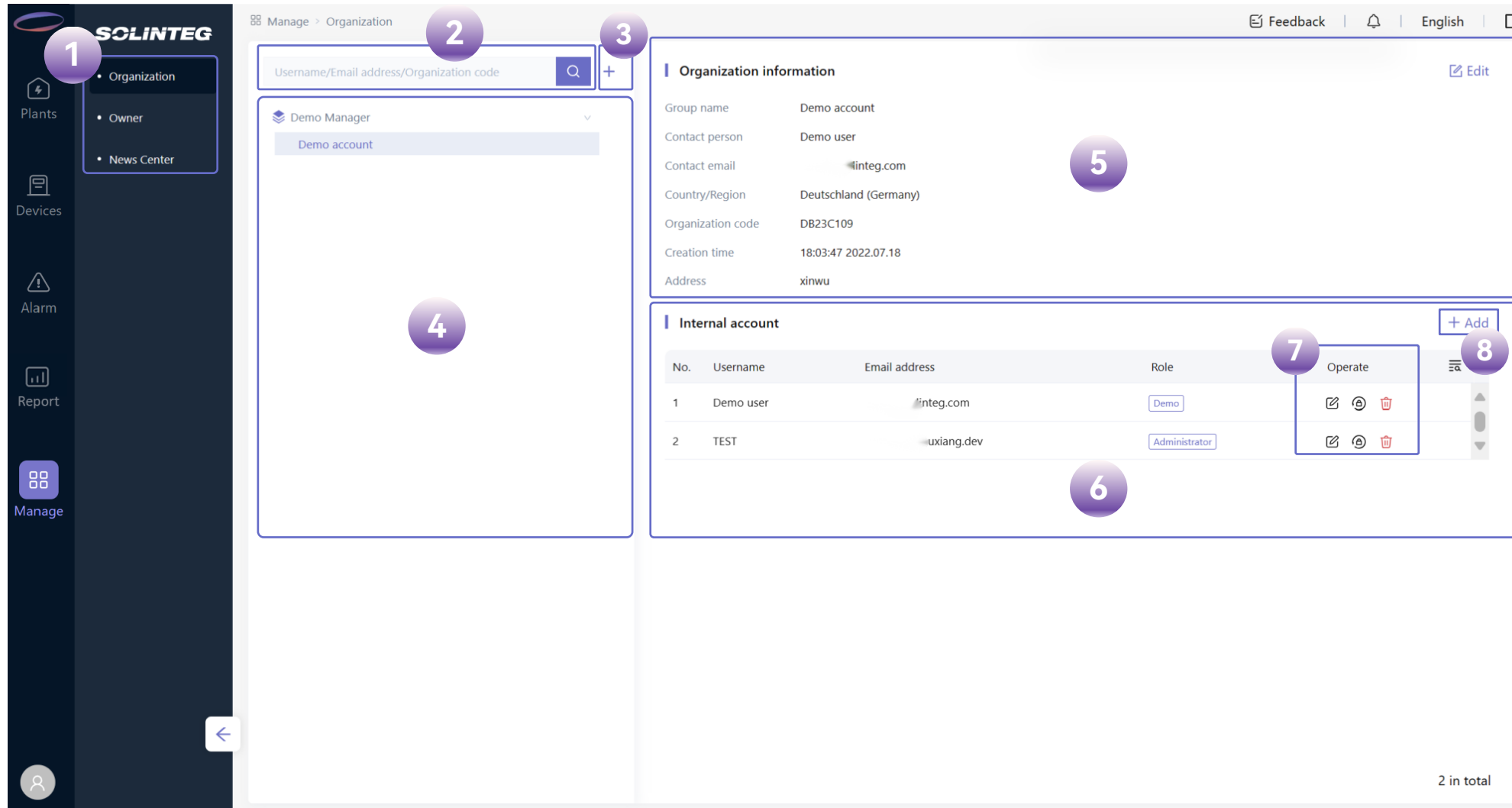
Report name	Report type	Export object	Time scale	Generation time	Status	Operate
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Fail	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Fail	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Exporting	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Exporting	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4
Device_Professional params_20240102_20240105	Professional params	SN A112200100230097	15/03/2023-14/03/2024	21/03/2023	Success	4

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 dark sidebar on the left with navigation options: Plants, Devices, Alarm, Report, and Manage (highlighted with a purple circle 1). The main content area is divided into three sections:

- Search and Filter (2):** A search bar labeled 'Username/Email address/Organization code' with a magnifying glass icon and a plus sign button (3).
- Organization List (4):** A list of organizations, currently showing 'Demo Manager' with a sub-item 'Demo account'.
- Organization Information (5):** A detailed view for the selected organization, including:
  - Group name: Demo account
  - Contact person: Demo user
  - Contact email: @integ.com
  - Country/Region: Deutschland (Germany)
  - Organization code: DB23C109
  - Creation time: 18:03:47 2022.07.18
  - Address: xinwu
- Internal Account Table (6):** A table listing internal accounts with columns for No., Username, Email address, Role, and Operate.
 

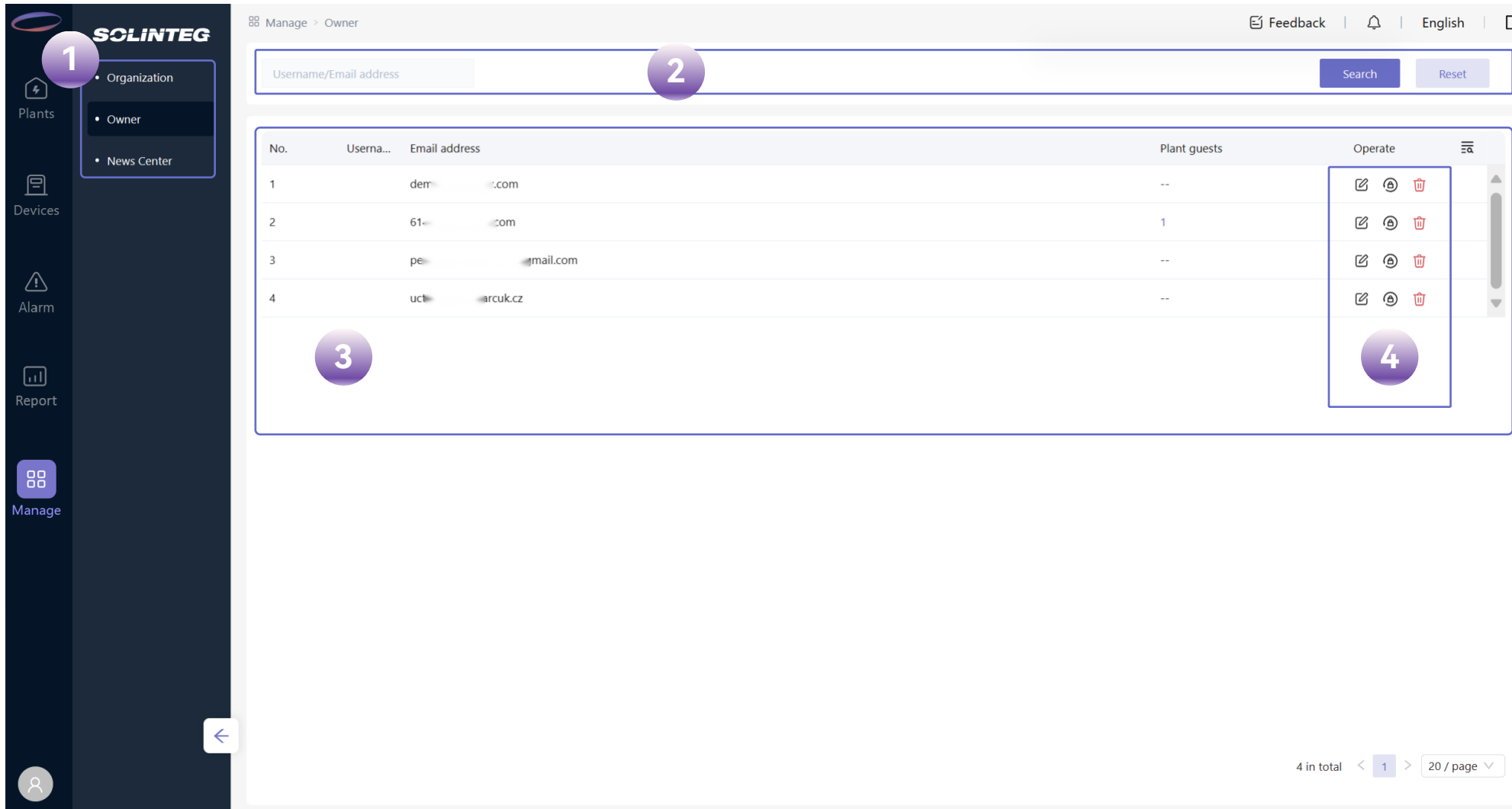
No.	Username	Email address	Role	Operate
1	Demo user	@integ.com	Demo	[Edit] [Reset] [Delete]
2	TEST	@xixiang.dev	Administrator	[Edit] [Reset] [Delete]
- Operate Menu (7):** A dropdown menu for the 'Operate' column, containing Edit, Reset, and Delete icons.
- Add Button (8):** A '+ Add' button in the top right corner of the table area.

Additional UI elements include a 'Feedback' button, a notification bell, 'English' language selection, and a home icon in the bottom right corner.

- 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. The interface includes a left sidebar with navigation options: Organization, Owner, News Center, Plants, Devices, Alarm, Report, and Manage. The main content area features a search bar for 'Username/Email address' and a table of owner users. The table has columns for 'No.', 'Userna...', 'Email address', 'Plant guests', and 'Operate'. The 'Operate' column contains icons for edit, reset, and delete. A callout box highlights these icons, and another callout points to the table content. A pagination bar at the bottom indicates '4 in total' and '20 / page'.

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

① The current sub-page is "Owner".

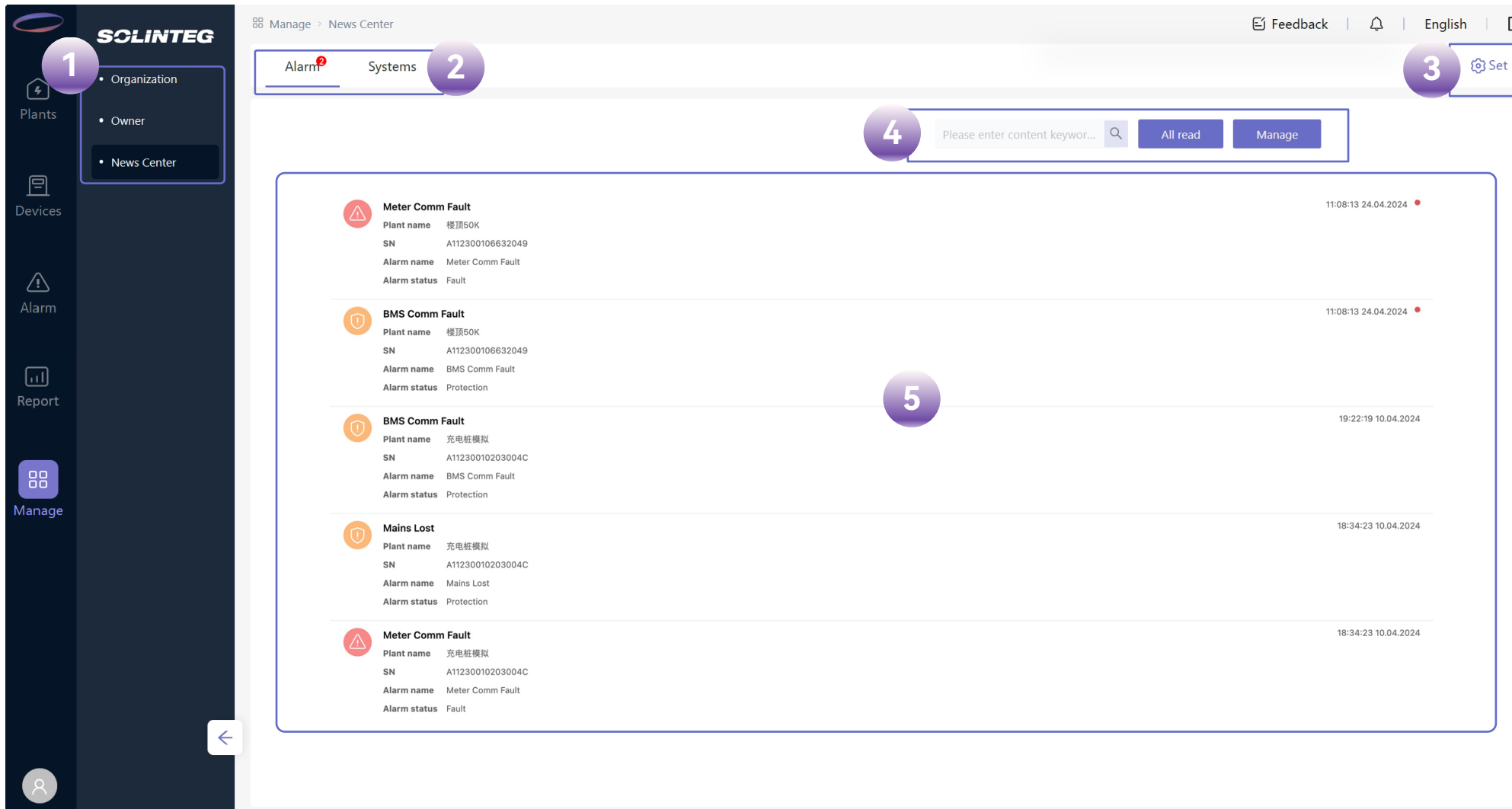
② Search for owner users by username and email address.

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 'Manage' page for the 'News Center'. The interface includes a sidebar with navigation options: Organization, Owner, News Center, Plants, Devices, Alarm, Report, and Manage. The main content area displays a list of notifications under the 'Alarm' tab. A search bar and 'All read'/'Manage' buttons are located above the list. A 'Set' button is visible in the top right corner of the main area.

Icon	Alarm Name	Plant Name	SN	Alarm Status	Timestamp
⚠️	Meter Comm Fault	楼顶50K	A112300106632049	Fault	11:08:13 24.04.2024
🛡️	BMS Comm Fault	楼顶50K	A112300106632049	Protection	11:08:13 24.04.2024
🛡️	BMS Comm Fault	充电桩模拟	A11230010203004C	Protection	19:22:19 10.04.2024
🛡️	Mains Lost	充电桩模拟	A11230010203004C	Protection	18:34:23 10.04.2024
⚠️	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.



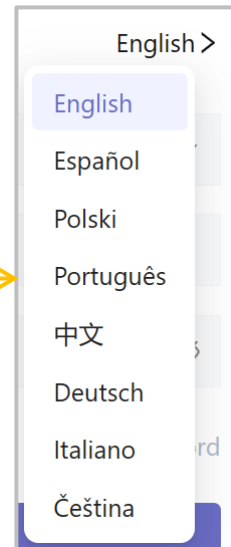
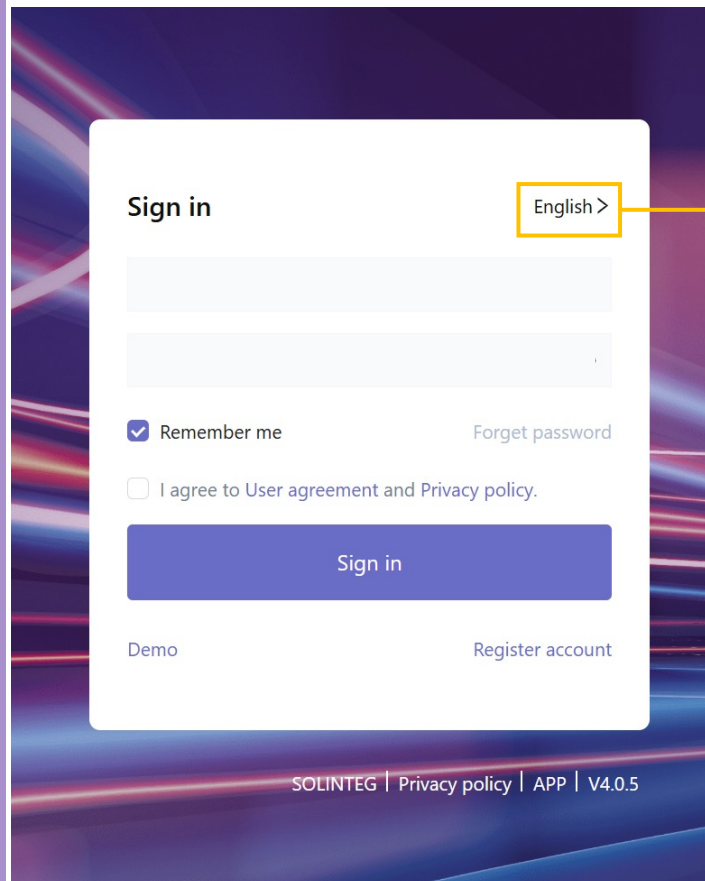


# **Solinteg Cloud Main Functions**

**SOLINTEG**

# Choose Language

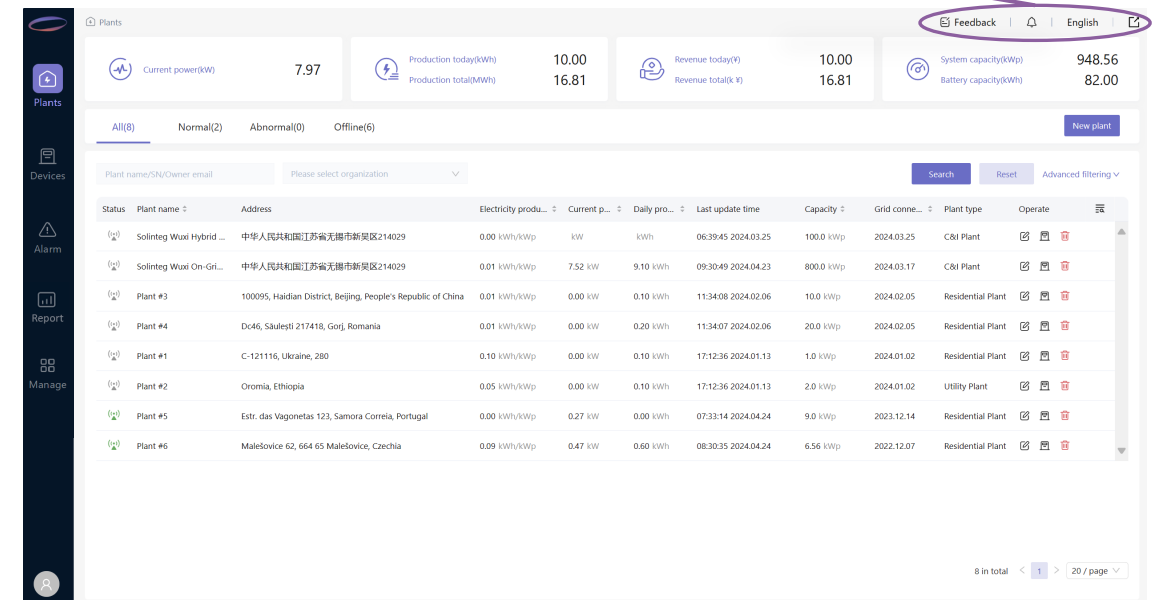
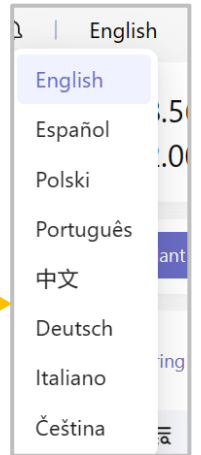
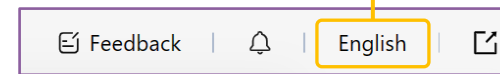
## Method 1



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

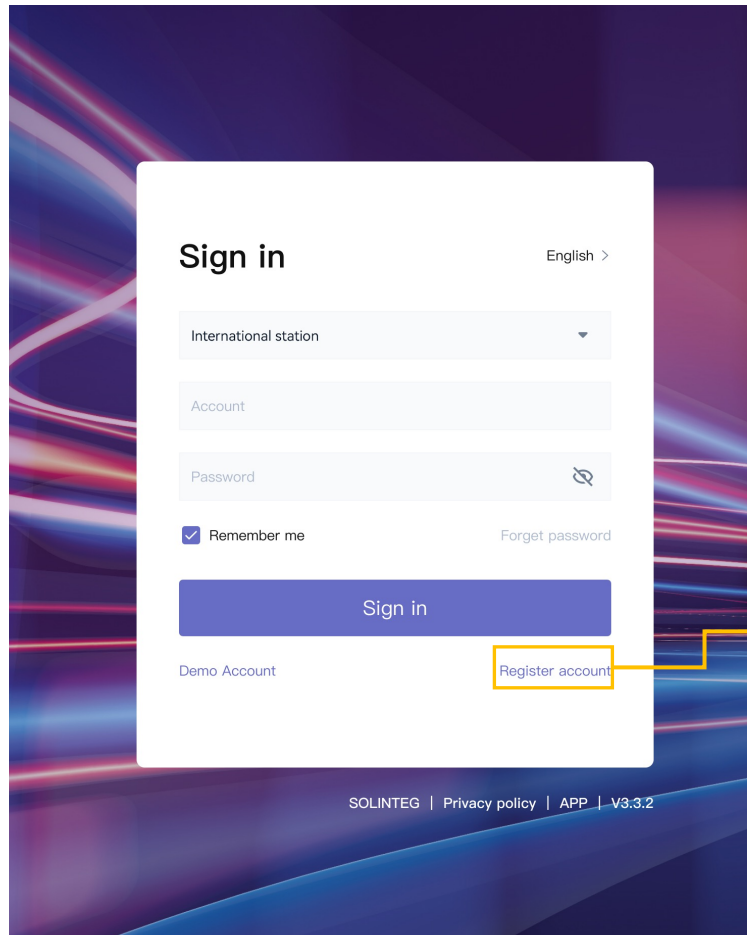
## Method 2

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



Sign in English >

International station

Account

Password

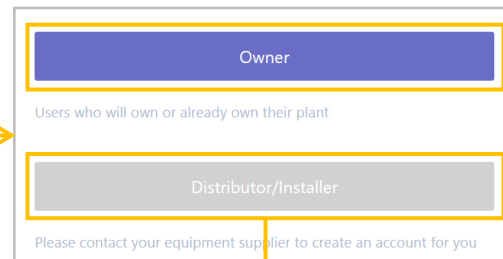
Remember me Forget password

Sign in

Demo Account Register account

SOLINTEG | Privacy policy | APP | V3.3.2

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



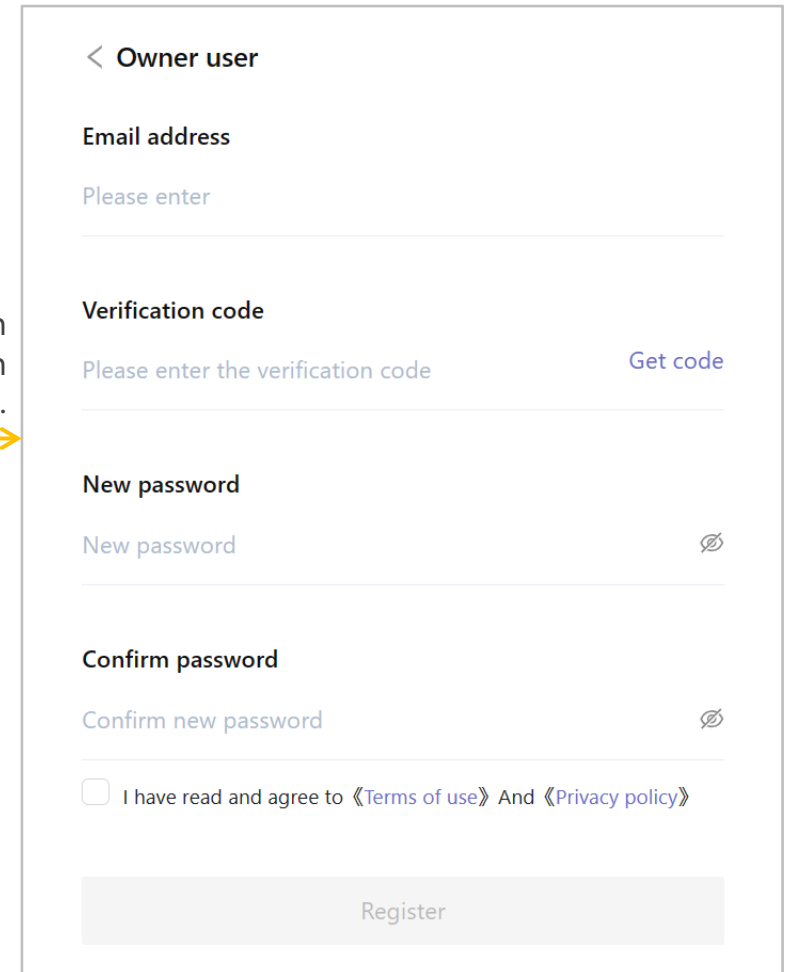
Owner

Users who will own or already own their plant

Distributor/Installer

Please contact your equipment supplier to create an account for you

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



< Owner user

Email address

Please enter

Verification code

Please enter the verification code Get code

New password

New password

Confirm password

Confirm new password

I have read and agree to [《Terms of use》](#) And [《Privacy policy》](#)

Register



# 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

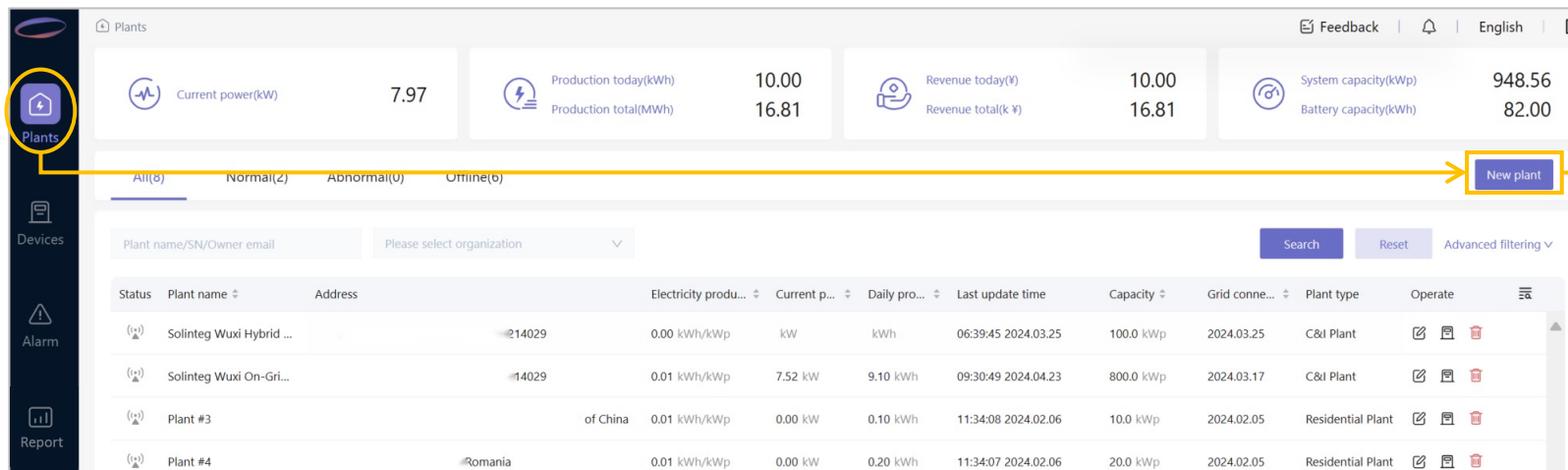
Owner email

\* 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(5) Normal(2) Abnormal(0) Offline(3)

Plant name/SN/Owner email Please select organization

Search Reset Advanced filtering

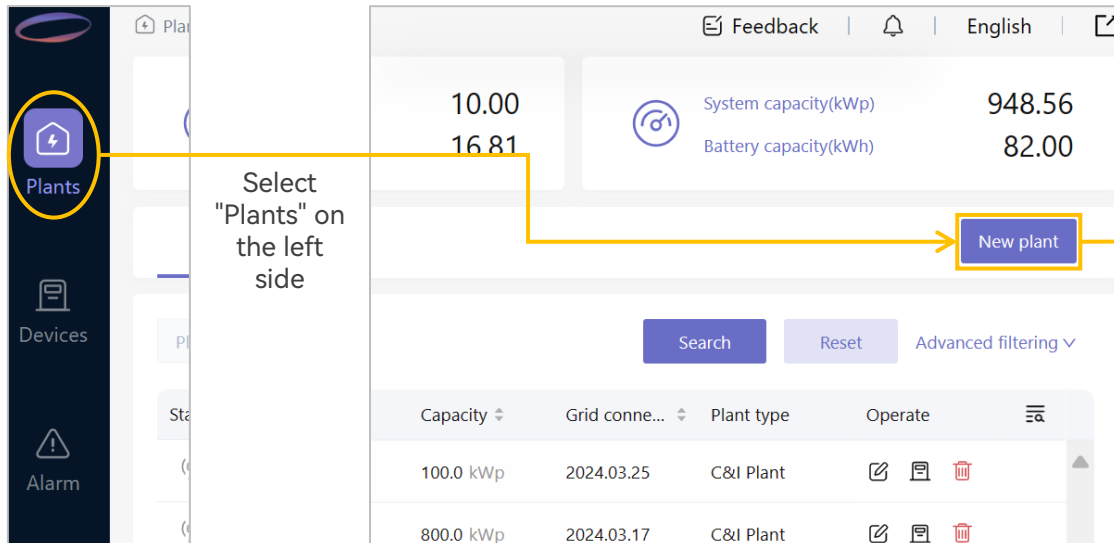
Status	Plant name	Address	Electricity produ...	Current p...	Daily pro...	Last update time	Capacity	Grid conne...	Plant type	Operate
(+)	Solinteg Wuxi Hybrid ...		214029	0.00 kWh/kWp	kW	kWh	06:39:45 2024.03.25	100.0 kWp	2024.03.25	C&I Plant
(+)	Solinteg Wuxi On-Gri...		14029	0.01 kWh/kWp	7.52 kW	9.10 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

New 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

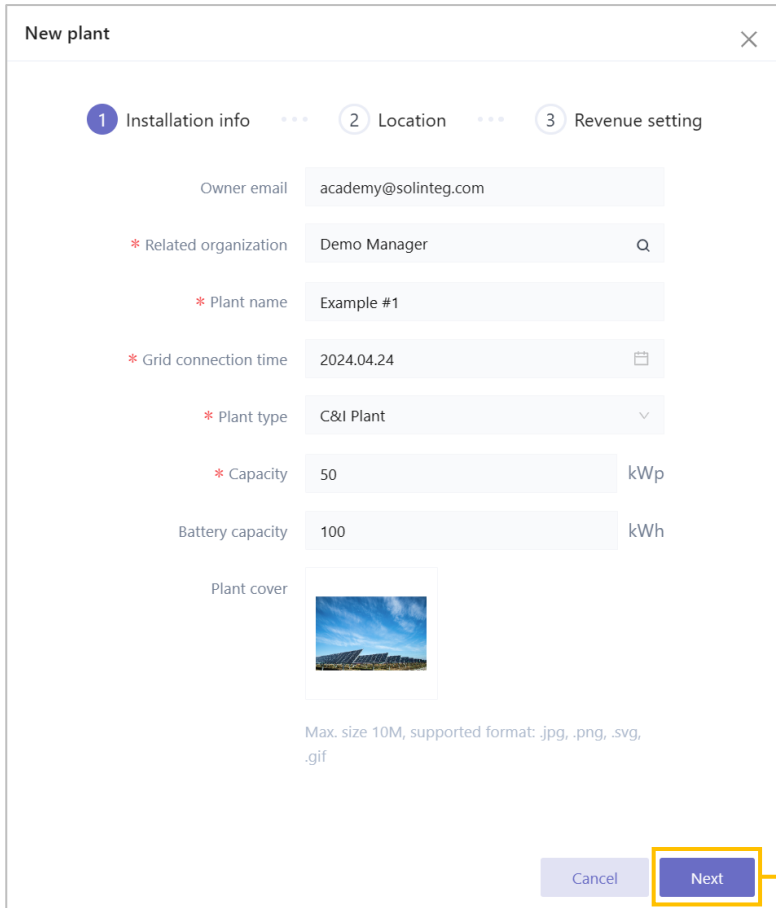
Max. size 10M, supported format: .jpg, .png, .svg, .gif

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

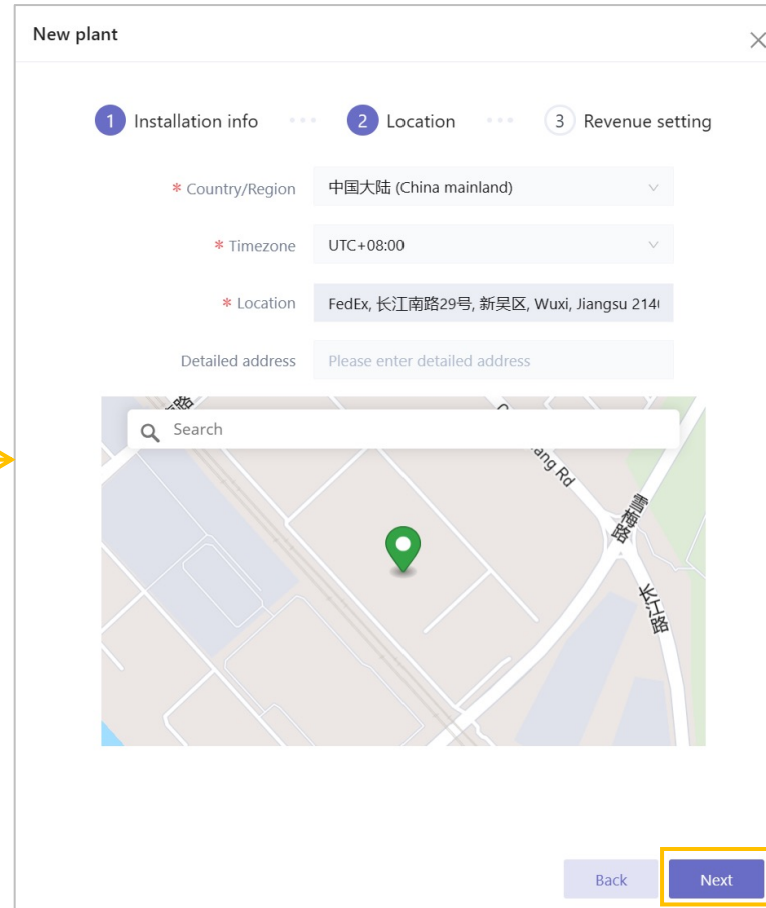
Battery capacity: 100 kWh

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**

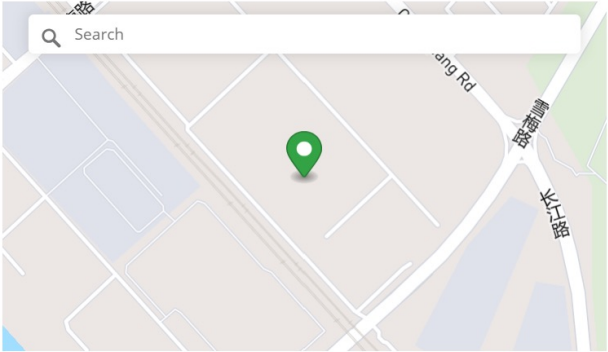
1 Installation info    2 Location    3 Revenue setting

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

\* Timezone: UTC+08:00

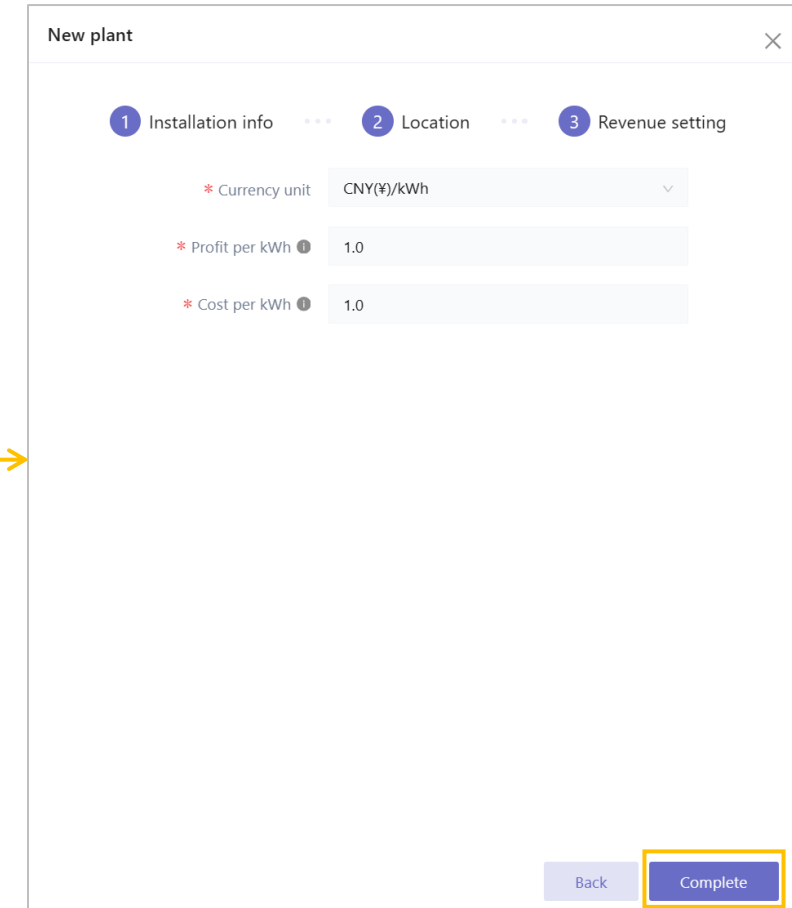
\* Location: FedEx, 长江南路29号, 新吴区, Wuxi, Jiangsu 214

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
	<b>Plant #6</b>	Malešovic

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

● Normal

Production today(kWh) **1.30**

Production total(kWh) **822.00**

Revenue today(€) **1.30**

Revenue total(€) **822.00**

**Production & Revenue**

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 Obrany, 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**

Import energy

**4.10 kWh**

Export energy

**0.10 kWh**

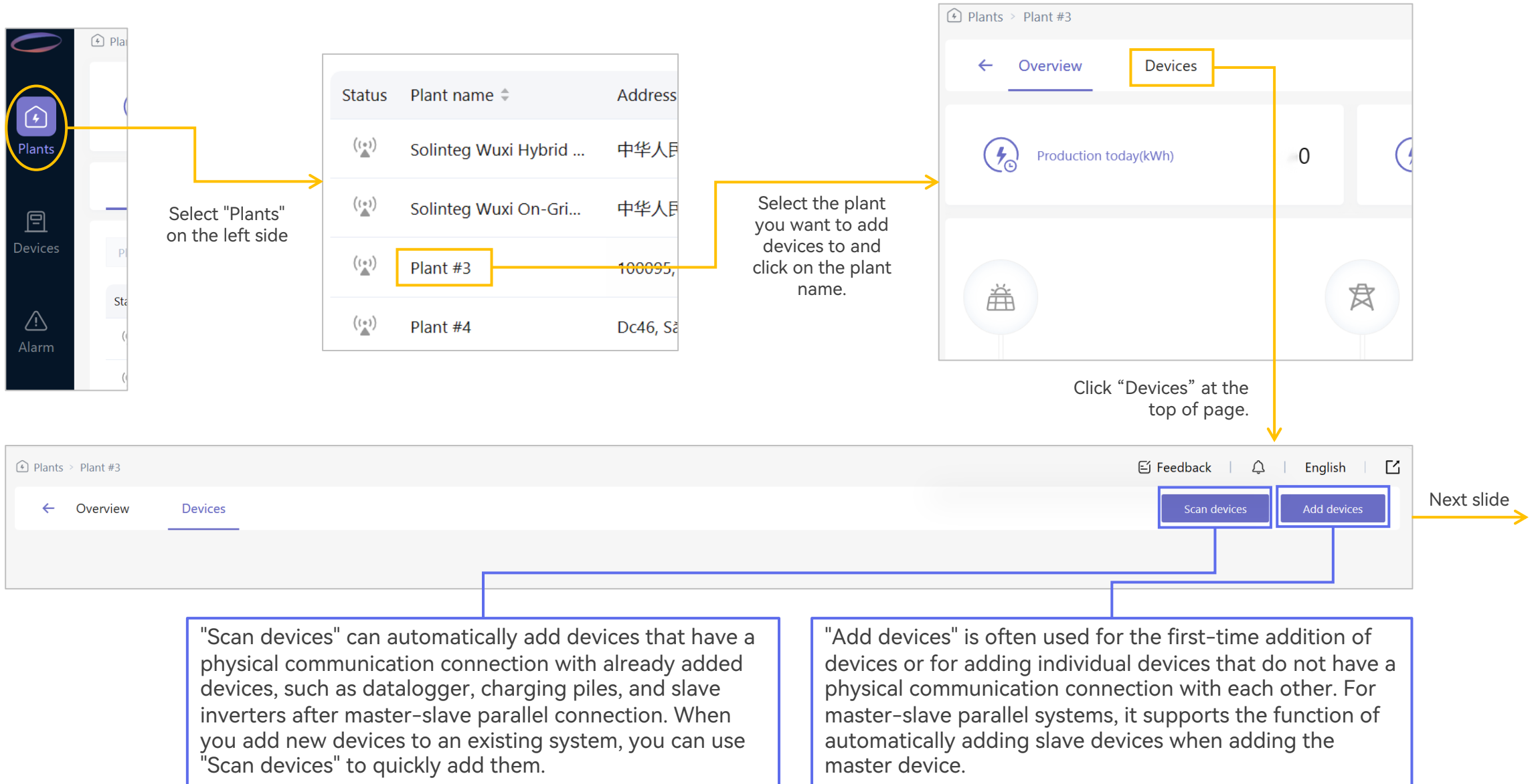
Self-sufficiency ☺️

**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, Sa

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

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.

← Overview Devices Scan devices Add devices

Status	Device name	Device SN	Superior device	Device type	Device model	Remote - Local	Slave firmware version	Operate	
	#1	A212300175430040 <span>89%</span>	--	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

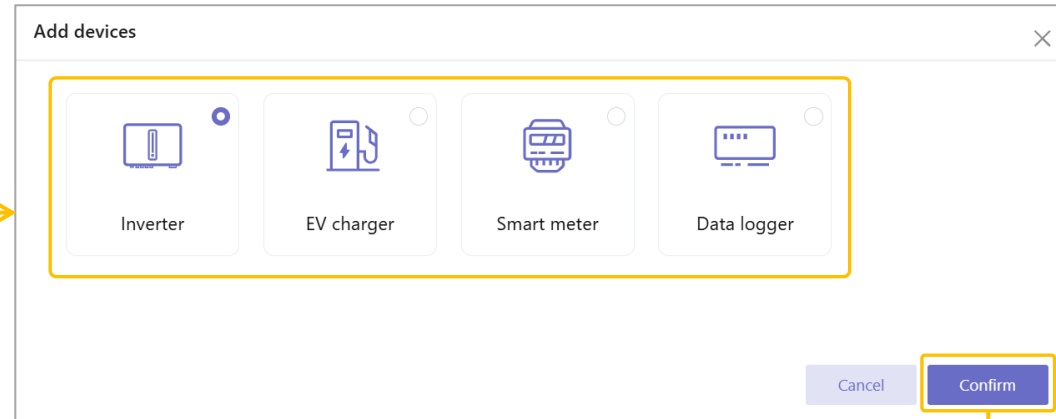
Device name	Device SN	Check code	Device type	Meter application	Operate
<input type="text" value="Please input"/>	A5456297645325	62427	Hybrid	<input type="text" value="Please select"/>	
<input type="text" value="Please input"/>	Z2478293812373	27463	Datalogger	<input type="text" value="Please select"/>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

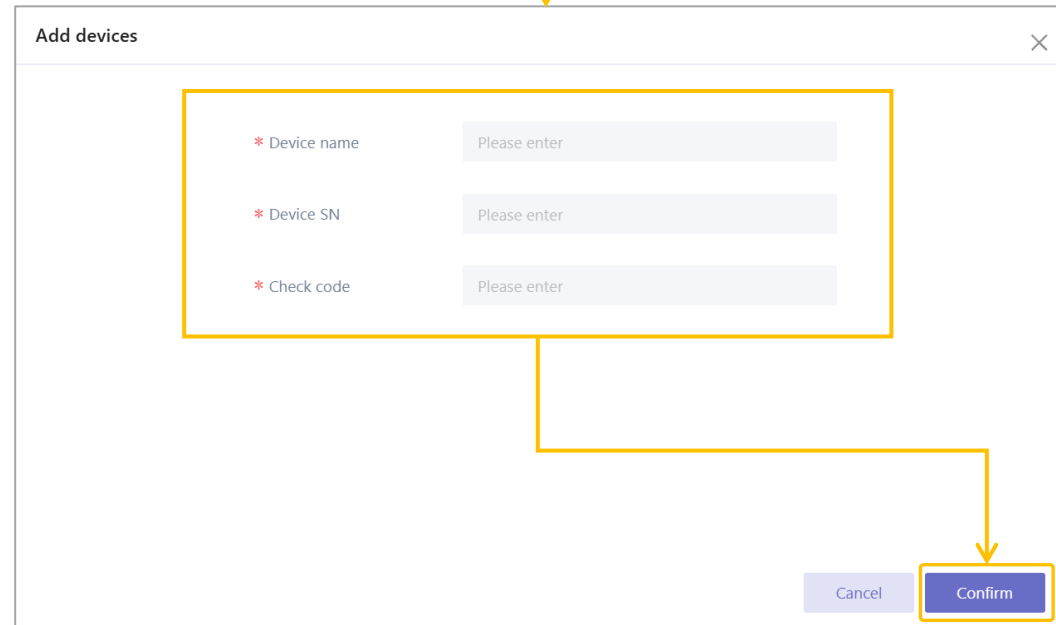
Add devices

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



The screenshot shows a dialog box titled "Add devices" with a close button (X) in the top right corner. Inside the dialog, there are four selectable options, each with an icon and a radio button: "Inverter" (inverter icon), "EV charger" (EV charger icon), "Smart meter" (smart meter icon), and "Data logger" (data logger icon). A yellow box highlights these four options. At the bottom right of the dialog, there are two buttons: "Cancel" and "Confirm". The "Confirm" button is highlighted with a yellow box.

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



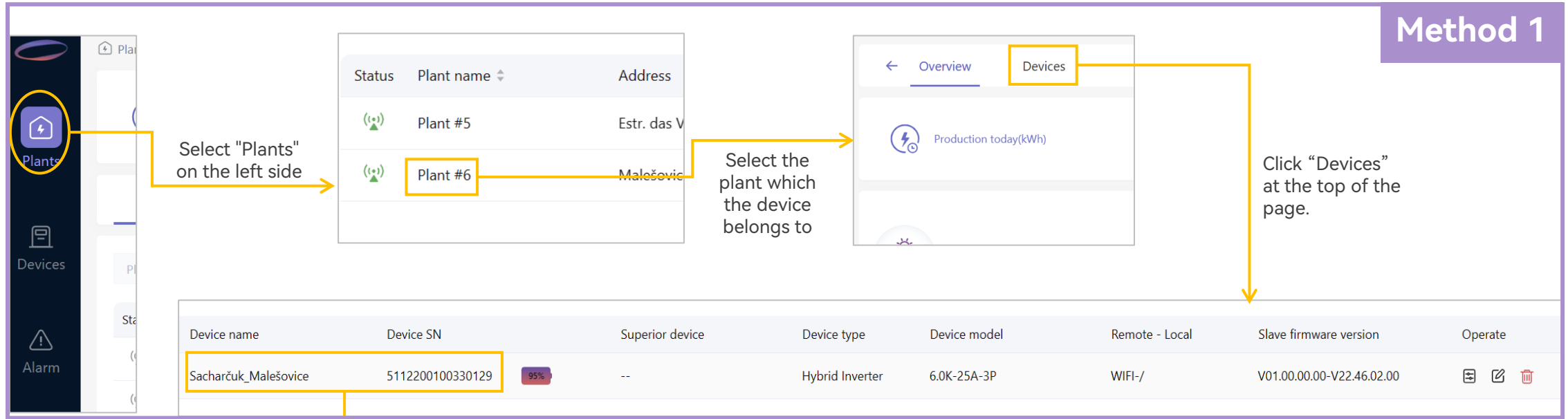
The screenshot shows the same "Add devices" dialog box, but now it displays input fields for the selected device. A yellow box highlights the input fields. There are three fields, each with a red asterisk indicating a required field: "\* Device name" with a "Please enter" placeholder, "\* Device SN" with a "Please enter" placeholder, and "\* Check code" with a "Please enter" placeholder. At the bottom right of the dialog, there are two buttons: "Cancel" and "Confirm". The "Confirm" button is highlighted with a yellow box.

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

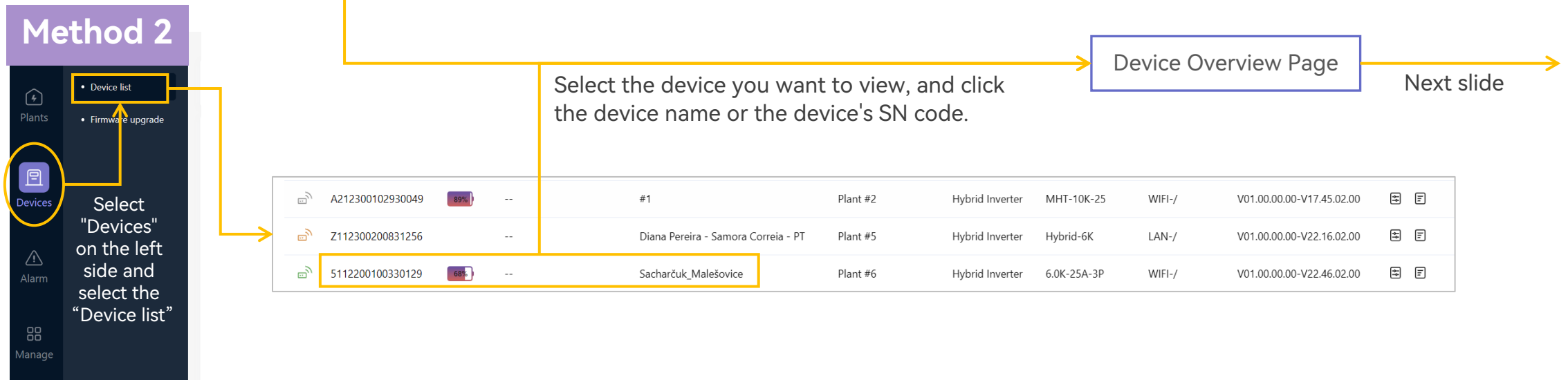
Status	Plant name	Address
	Plant #5	Estr. das V
	Plant #6	Malešovice

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	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	



# 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

### 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

### 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				

MHT-40K-100

058878

07:53:36 2024.09.26

1.75MWh

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



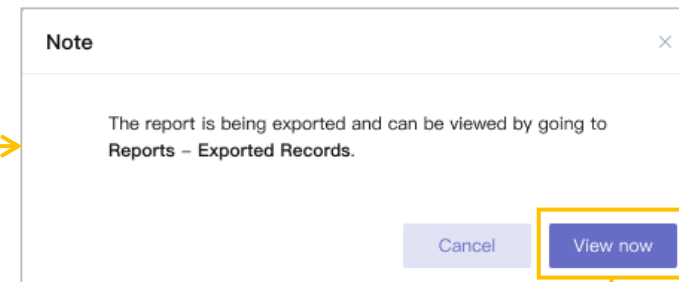
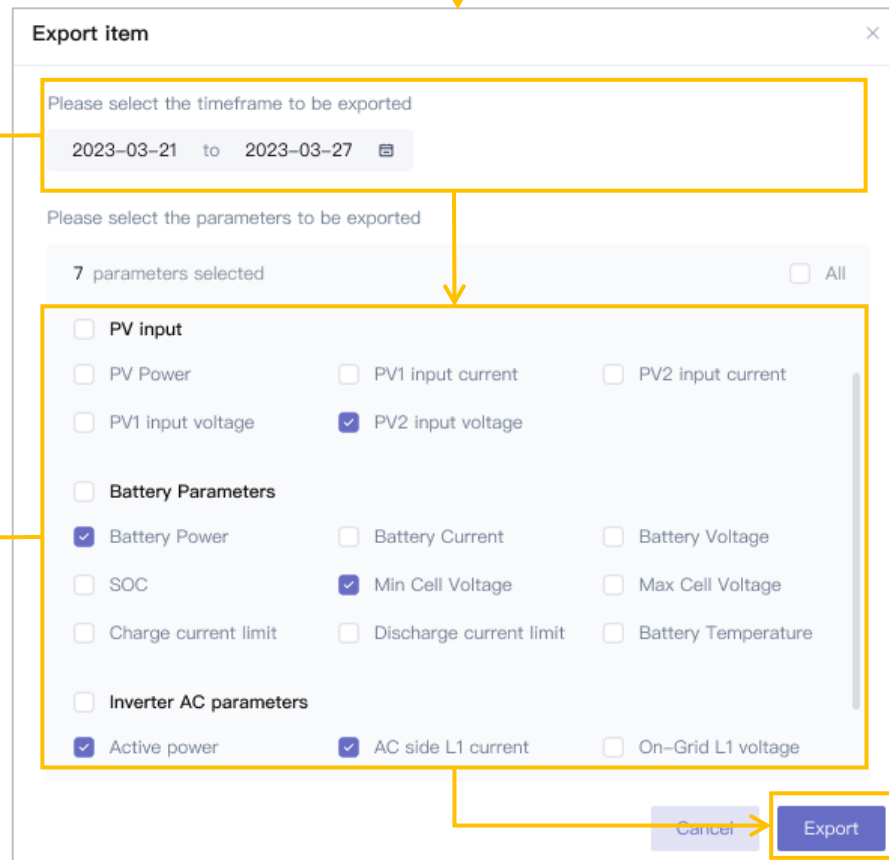
# View Device Data & Export a Data Report

## 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  Set the power value allowed to exported to the grid kw

Export control

Maximum output power

DI port configuration

- Off
- Demand response modes
- Ripple control receiver

### Basic params

Safety code settings  Set according to local safety regulation requests.

Work mode

Battery ID  Select compatible battery brands from the list

#### SOC protection settings

On-grid SOC protection  Off  On

On-grid end SOC  %

Off-grid SOC protection  Off  On Battery will stop discharge power when the battery level reaches the SOC set value

Off-grid end SOC  %


Adapted to power dispatching devices RCR and DRM.

# 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 to sponse 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  Turn off  Manual mode  Smart mode

Smart mode  Turn off  Feed-in power control  Battery SOC control

Feed-in power threshold  W

Minimum operation hours

Daily max operation hours

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

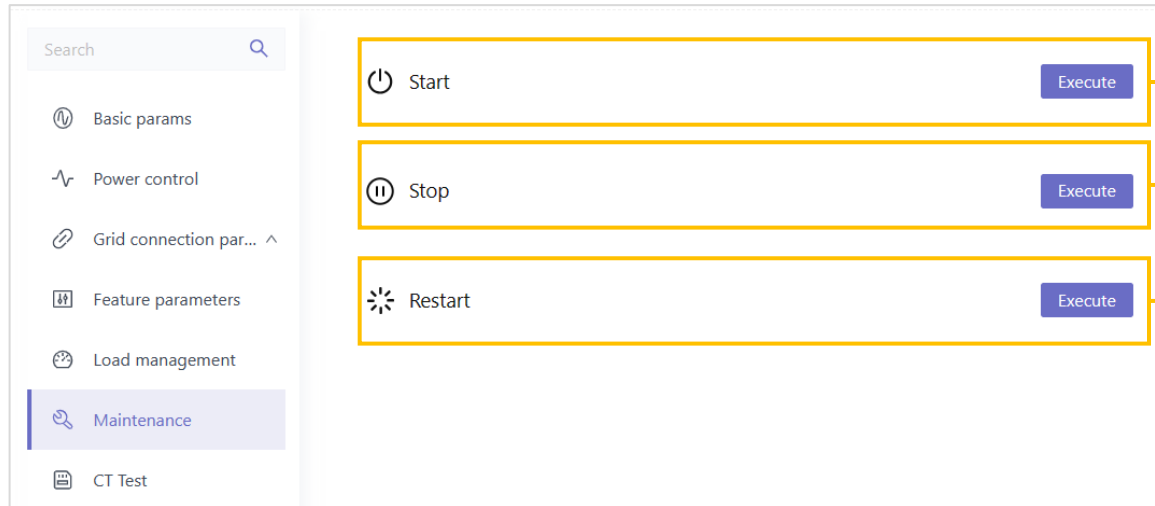
Consumption power threshold  W

End SOC threshold  %

Time control

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

# Configure the Device



Search

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

Start Execute

Stop Execute

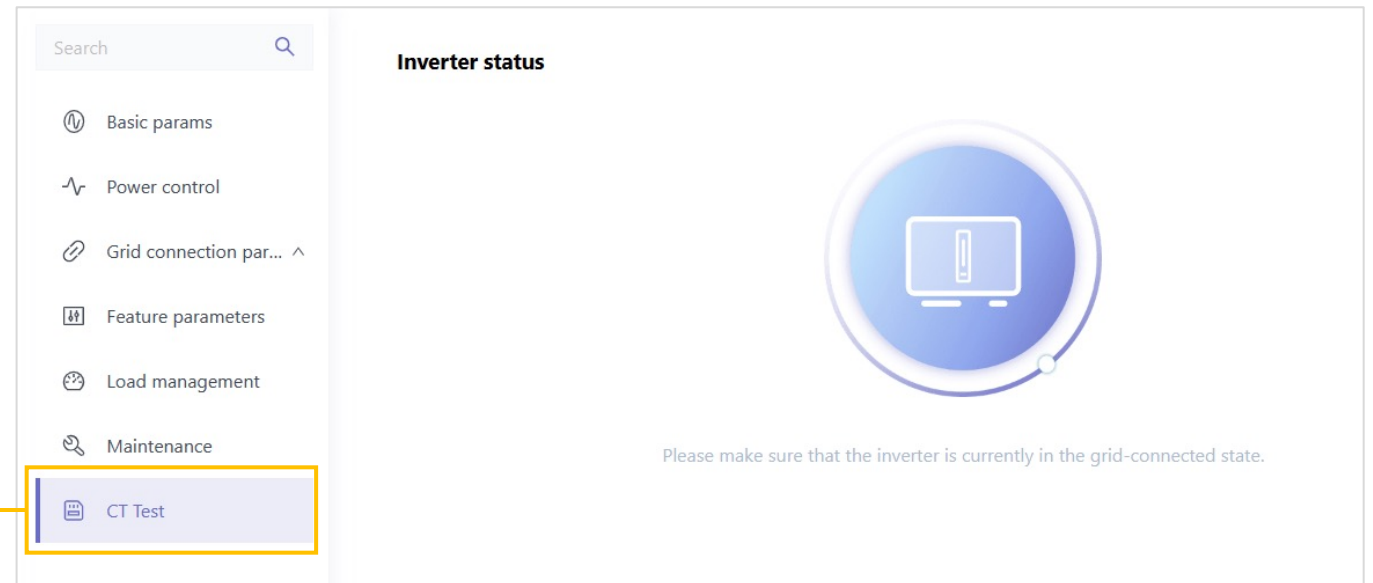
Restart Execute

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. (This function )




Search

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

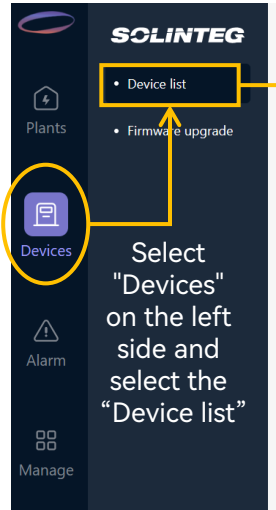
### Inverter status



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



# View the Device Log



**SOLINTEG**

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

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	--	#1	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A21230012053004A	--	#2	Plant #4	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A212300175430040	--	#1	Plant #3	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	A21230011673004A	--	#2	Plant #1	Hybrid Inverter	MHT-10K-25	WIFI-/	V01.00.00.00-V17.45.02.00	
	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	

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**

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

Start date → End date Operator Device SN Search Reset

Operator	Firmware version	Creation time	Execution method	Status	Executic	Operation source	Operate
d.danner@mtec-systems.com	V01.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-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	🖨️	📄 🔄 🗑️

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

**Firmware upgrade**

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

Please enter SN number  +   

SN	Operate
A212300175430000	
A212300175430001	
A212300175430002	

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

Firmware upgrade

Execution method  Immediate execution  Scheduled execution

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

Firmware upgrade

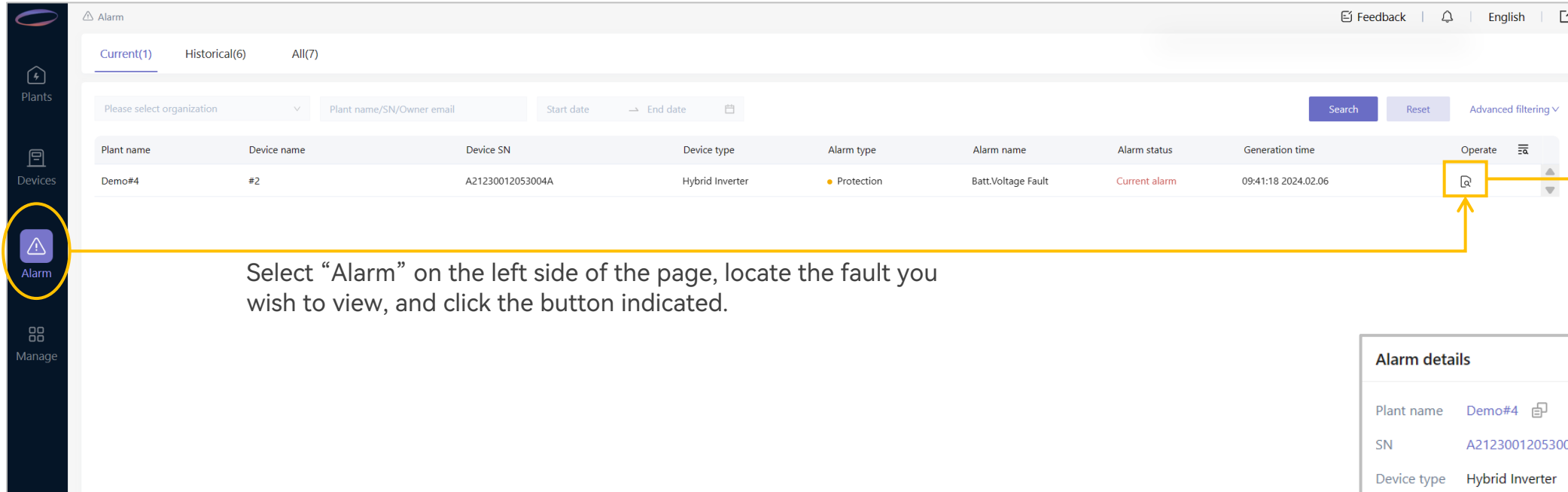
Execution method  Immediate execution  Scheduled execution

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.



# View the Detail Information of Alarm



Alarm

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

Please select organization  Plant name/SN/Owner email  Start date  End date    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	<input type="button" value="🔍"/>

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**

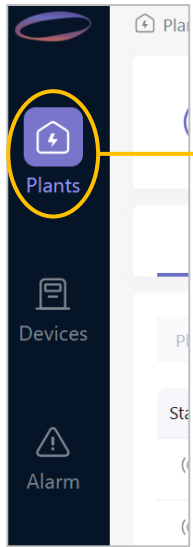
Repair suggestions **1. Check working status of battery.  
2. Whether the battery is alarmed.**

“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
	<b>Plant #6</b>	Malešovic

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

The dashboard displays the following information:

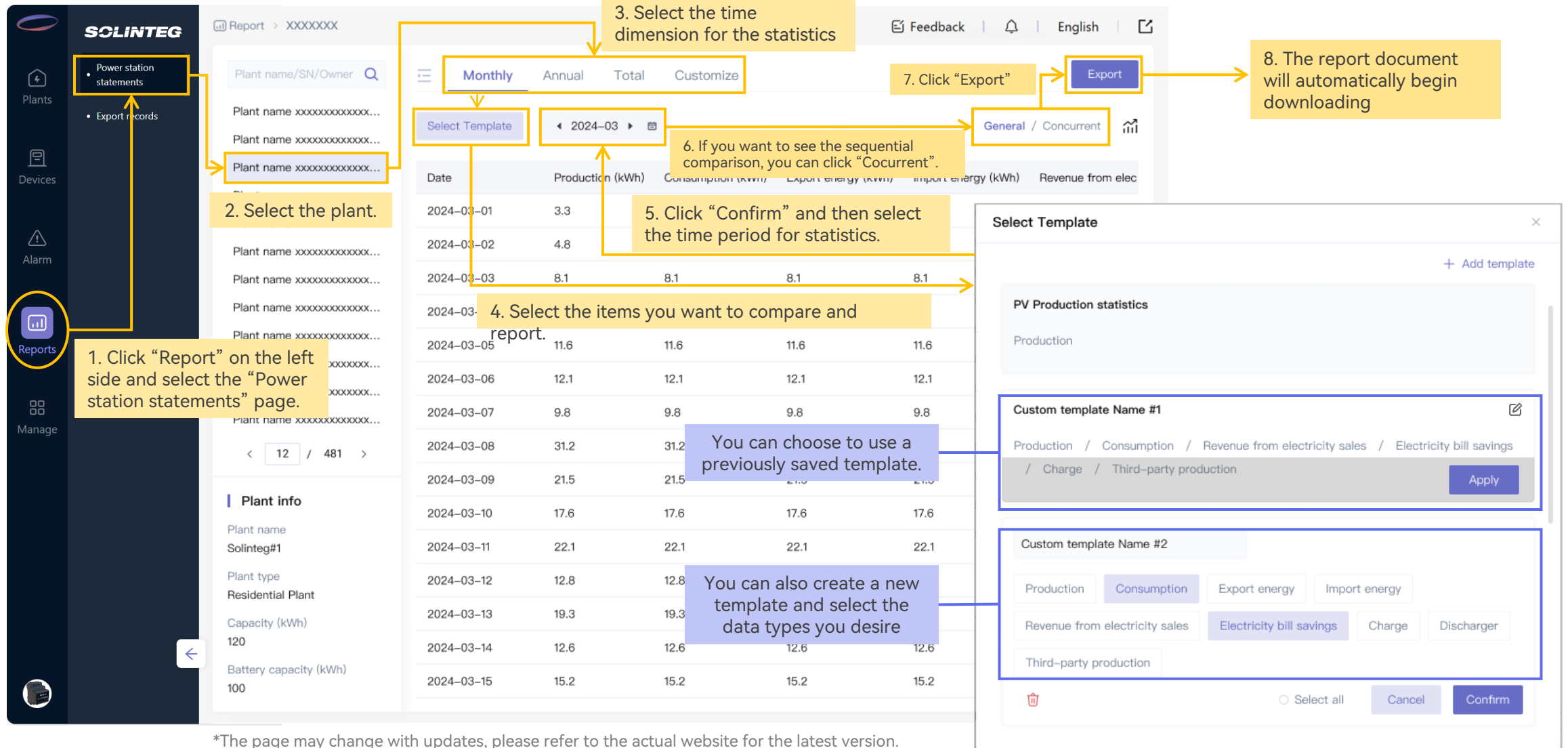
- Normal** status indicator.
- Production today (kWh): **1.30**
- Production total (kWh): **822.00**
- Revenue today (€): **1.30**
- Revenue total (€): **822.00**
- Weather forecast: Today 14/20°C, Wednesday 12/19°C, Thursday 10/19°C, Friday 6/15°C, Saturday 7/15°C.
- Plant details: Babice 343 TestEVcharger, 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.
- Reports > button highlighted in a yellow circle.
- Time filter: Select Month, Year or Total. Current selection: **Month**, 2024.10.
- Summary cards:
  - Revenue from electricity sales: **582.9€**
  - Electricity bill savings: **236.9€**
  - 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**
- Bar chart showing kWh production and consumption over 31 days.

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 "Cocurrent".**

**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	

**Select Template**

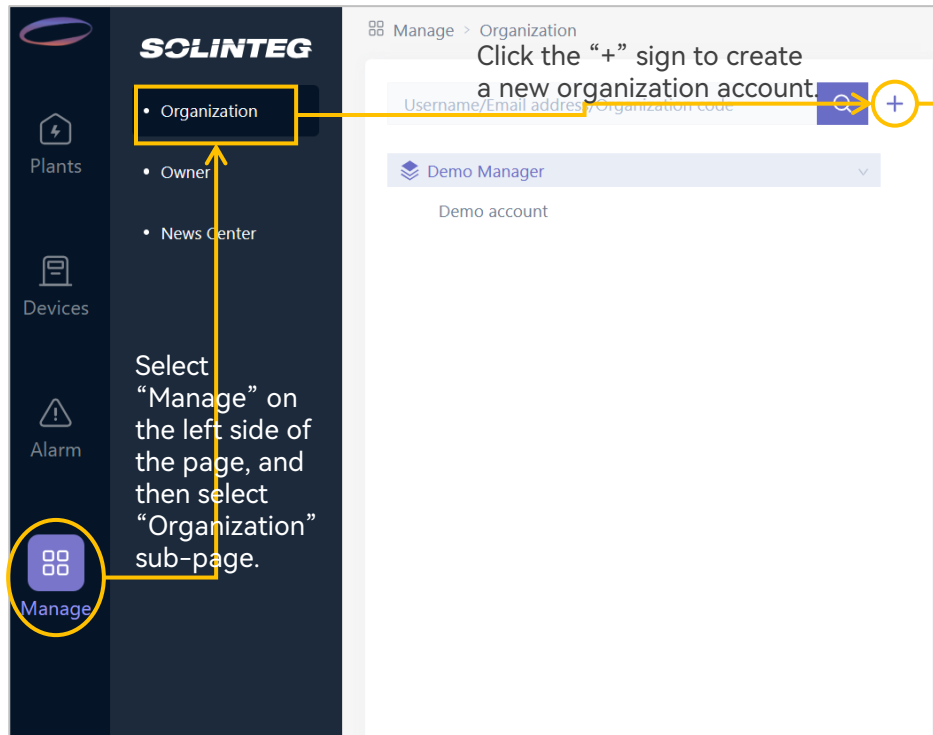
**Custom template Name #1**  
Production / Consumption / Revenue from electricity sales / Electricity bill savings / Charge / Third-party production

**Custom template Name #2**  
Production Consumption Export energy Import energy  
Revenue from electricity sales Electricity bill savings Charge Discharger  
Third-party production

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

# Create Subordinate Organization Account

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



**SOLINTEG**

Manage > Organization

Click the “+” sign to create a new organization account.

Organization

- Owner
- News Center

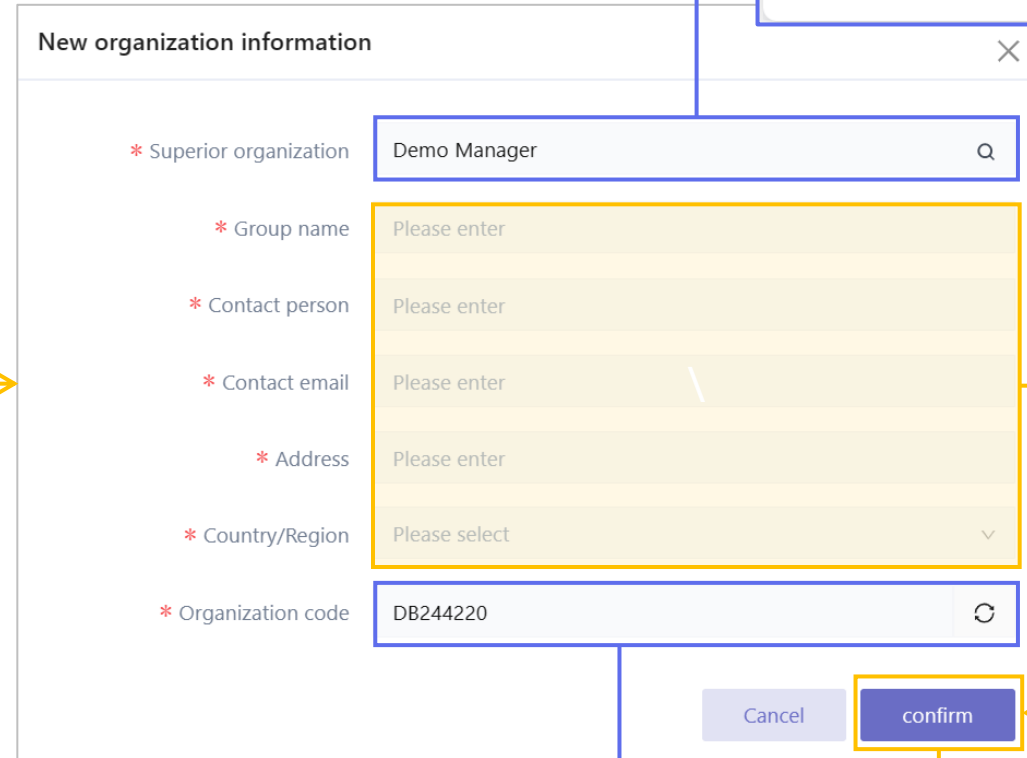
Plants

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

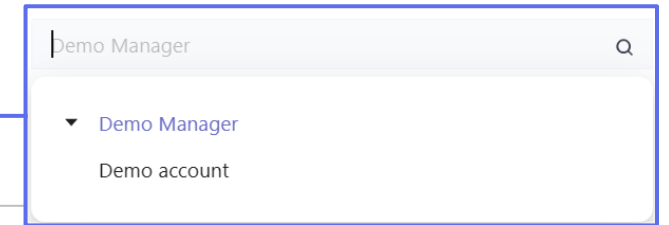
\* Contact email: Please enter

\* Address: Please enter

\* Country/Region: Please select

\* Organization code: DB244220

Cancel confirm



Demo Manager

▼ Demo Manager

Demo account

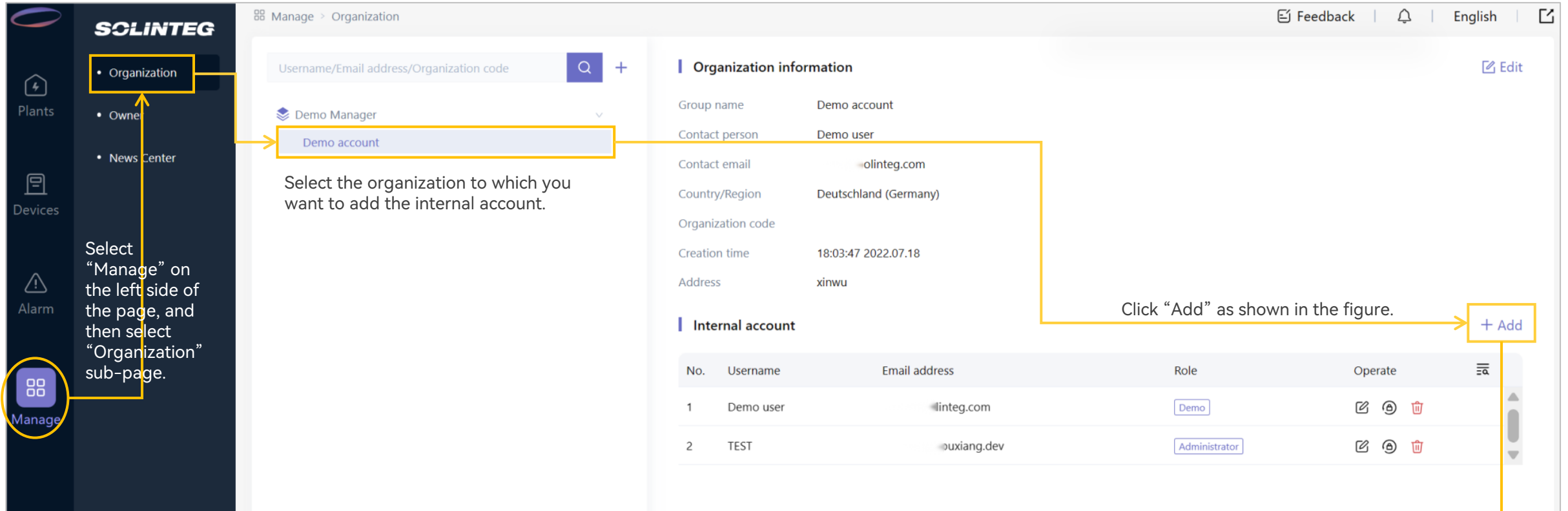
Fill in as required.

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



Manage > Organization

Username/Email address/Organization code

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	  

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.

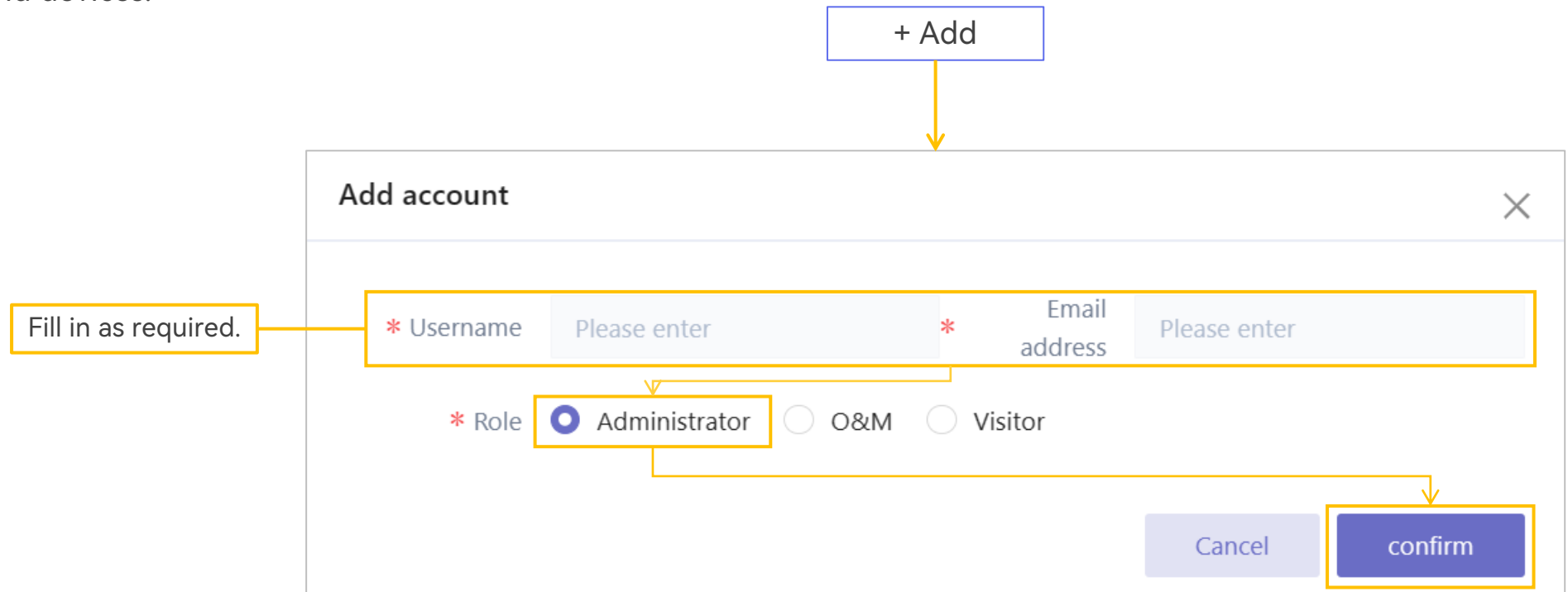
Next slide



# 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" modal. The modal has a title bar with "Add account" and a close button (X). Below the title bar, there are two input fields: "\* Username" and "Email address", both with "Please enter" as placeholder text. A yellow box labeled "Fill in as required." has a yellow arrow pointing to the asterisk on the Username field. Below these fields is a radio button group for "Role" with three options: "Administrator" (selected), "O&M", and "Visitor". A yellow box around the "Administrator" radio button has a yellow arrow pointing to the "confirm" button at the bottom right of the modal. The "confirm" button is highlighted with a yellow border. A "Cancel" button is also visible to the left of the "confirm" button.

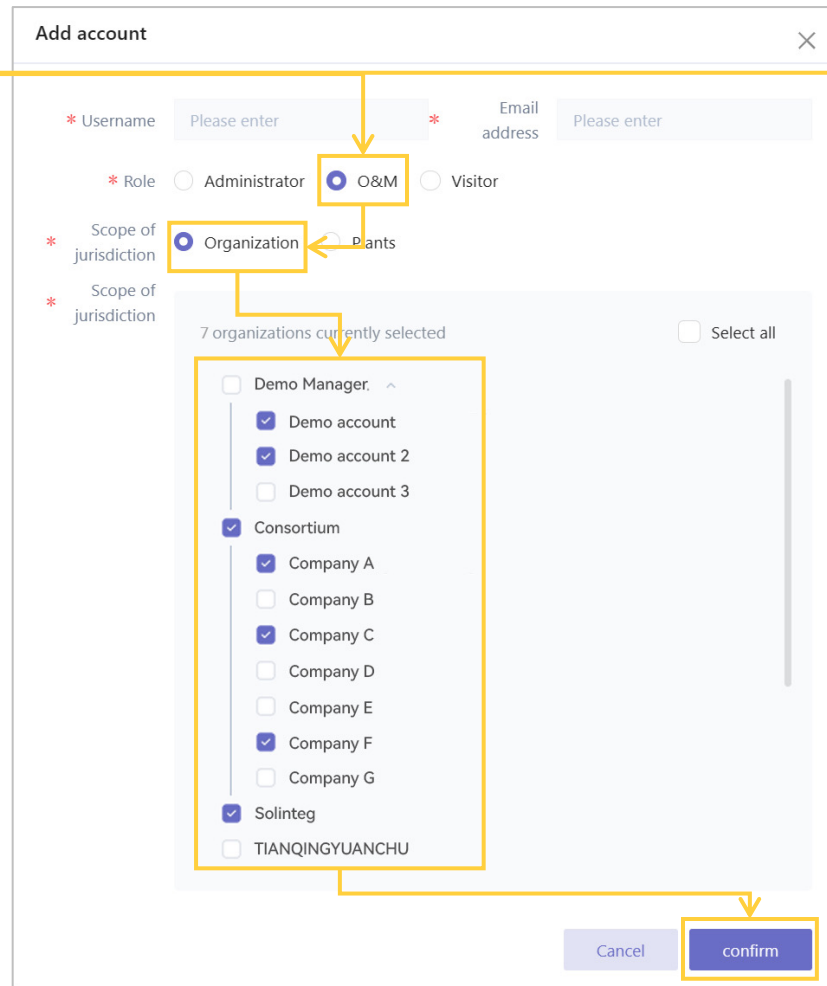
# Create Internal Account & Limit the Scope of Jurisdiction

## O&M Role

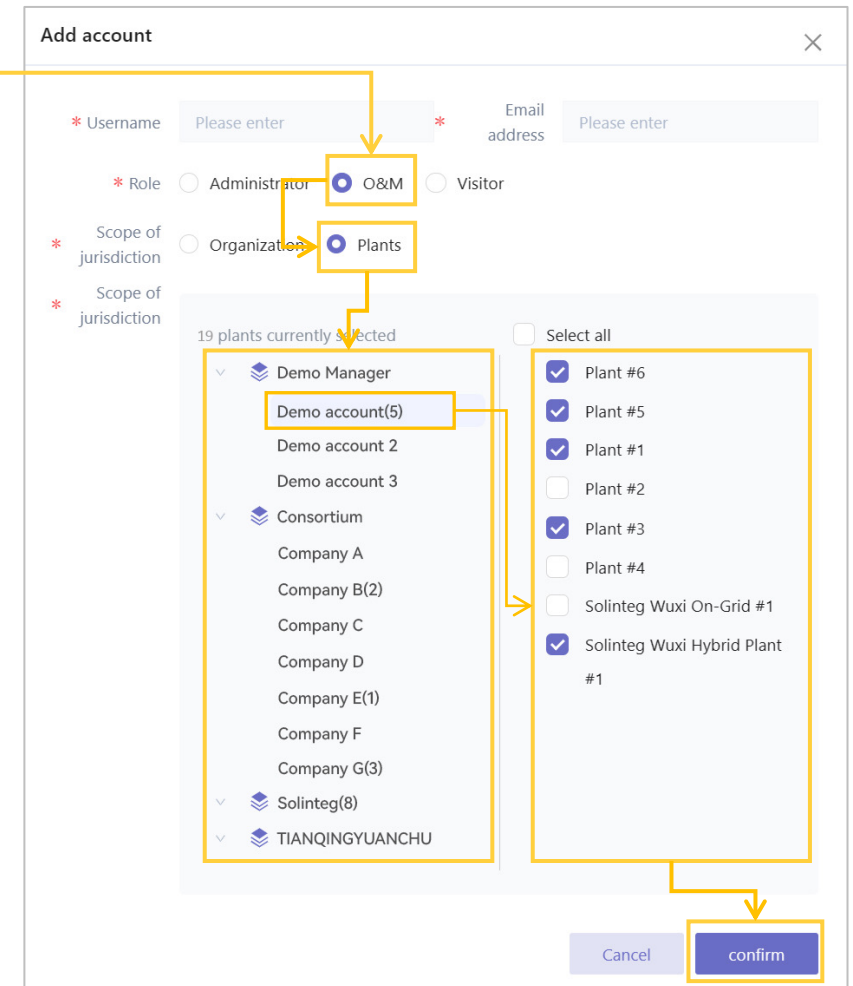
When creating an O&M role account, you can assign a management scope to it based on the organization or plant, allowing the O&M account to view and manage plants and devices within its management scope.

+ Add

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



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

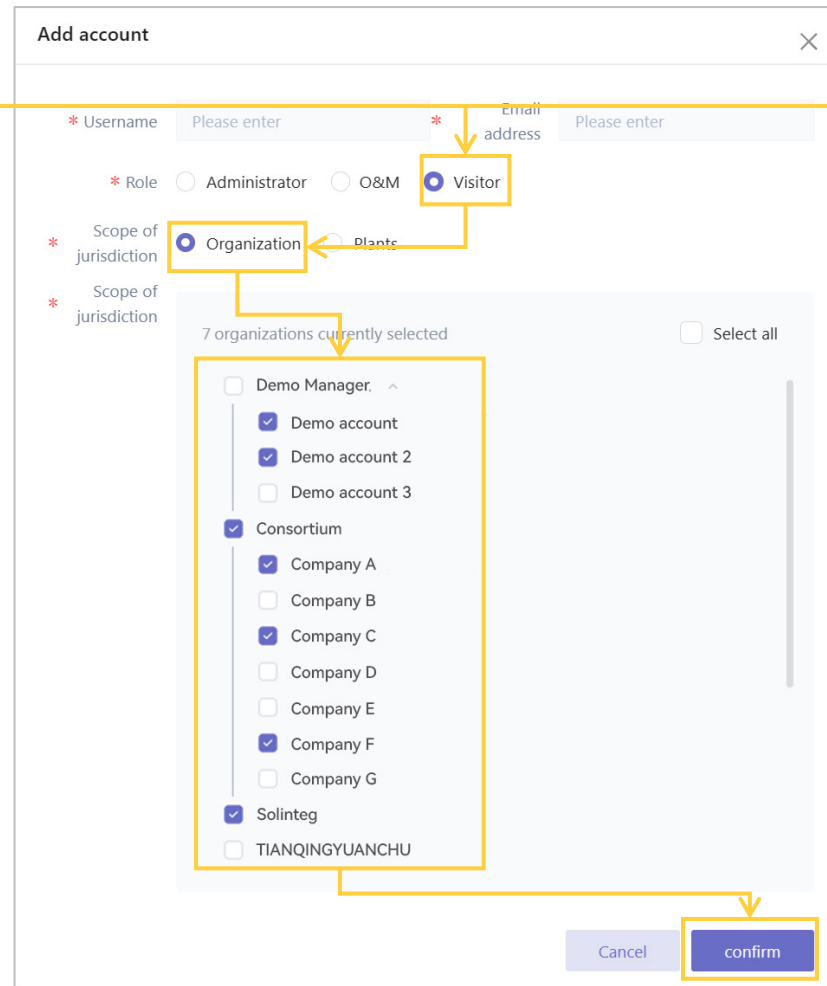


# Create Internal Account & Limit the Scope of Jurisdiction

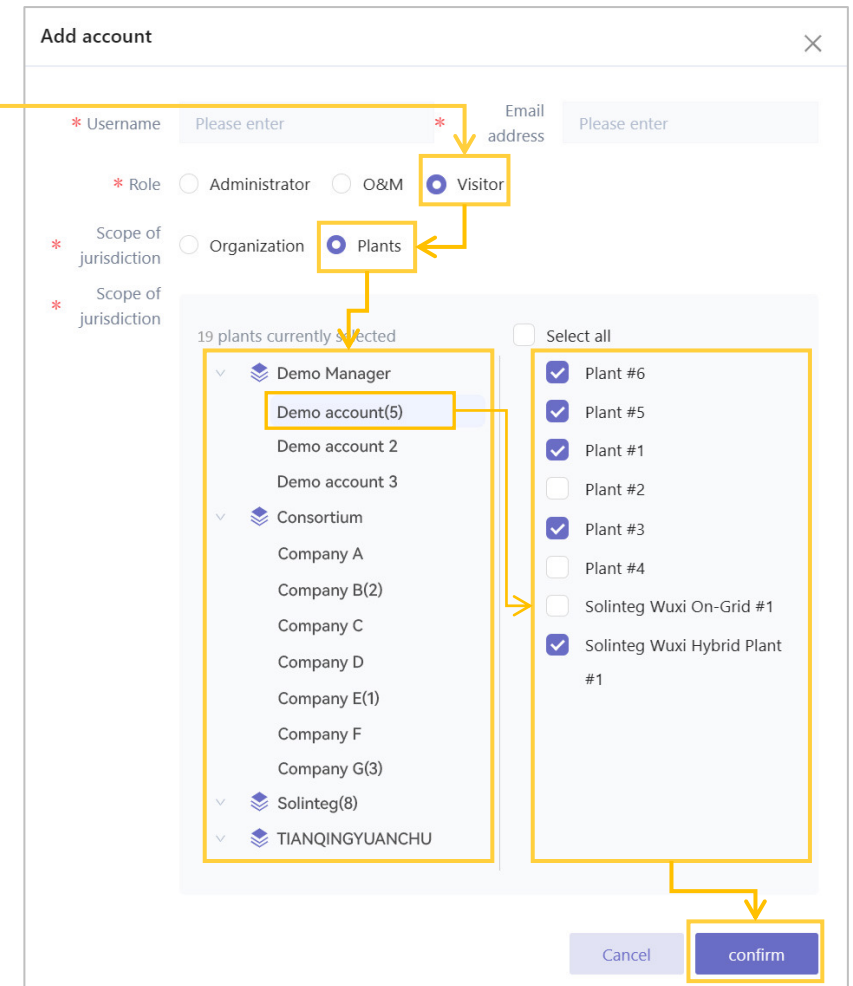
## Visitor Role

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

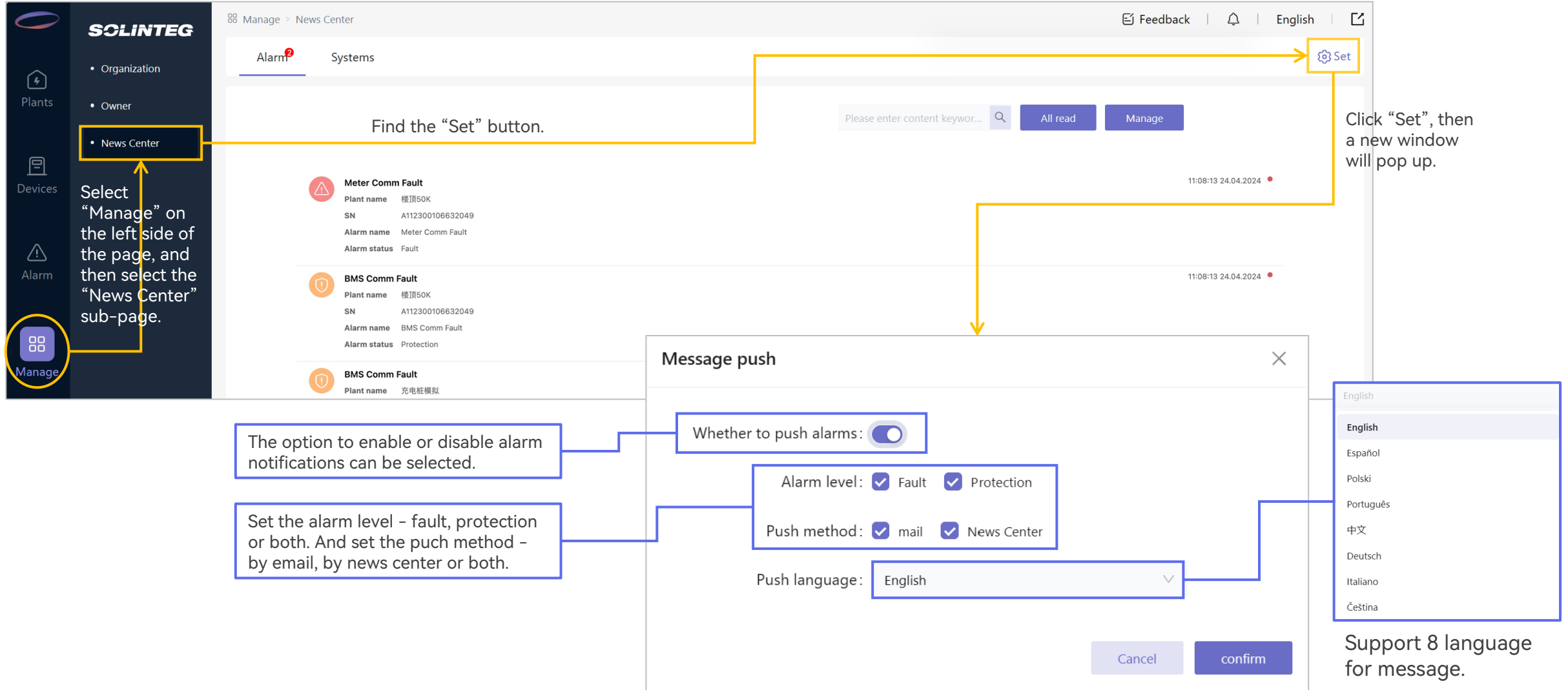
Method 1: Divide internal account permissions based on organization unit.



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




# 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

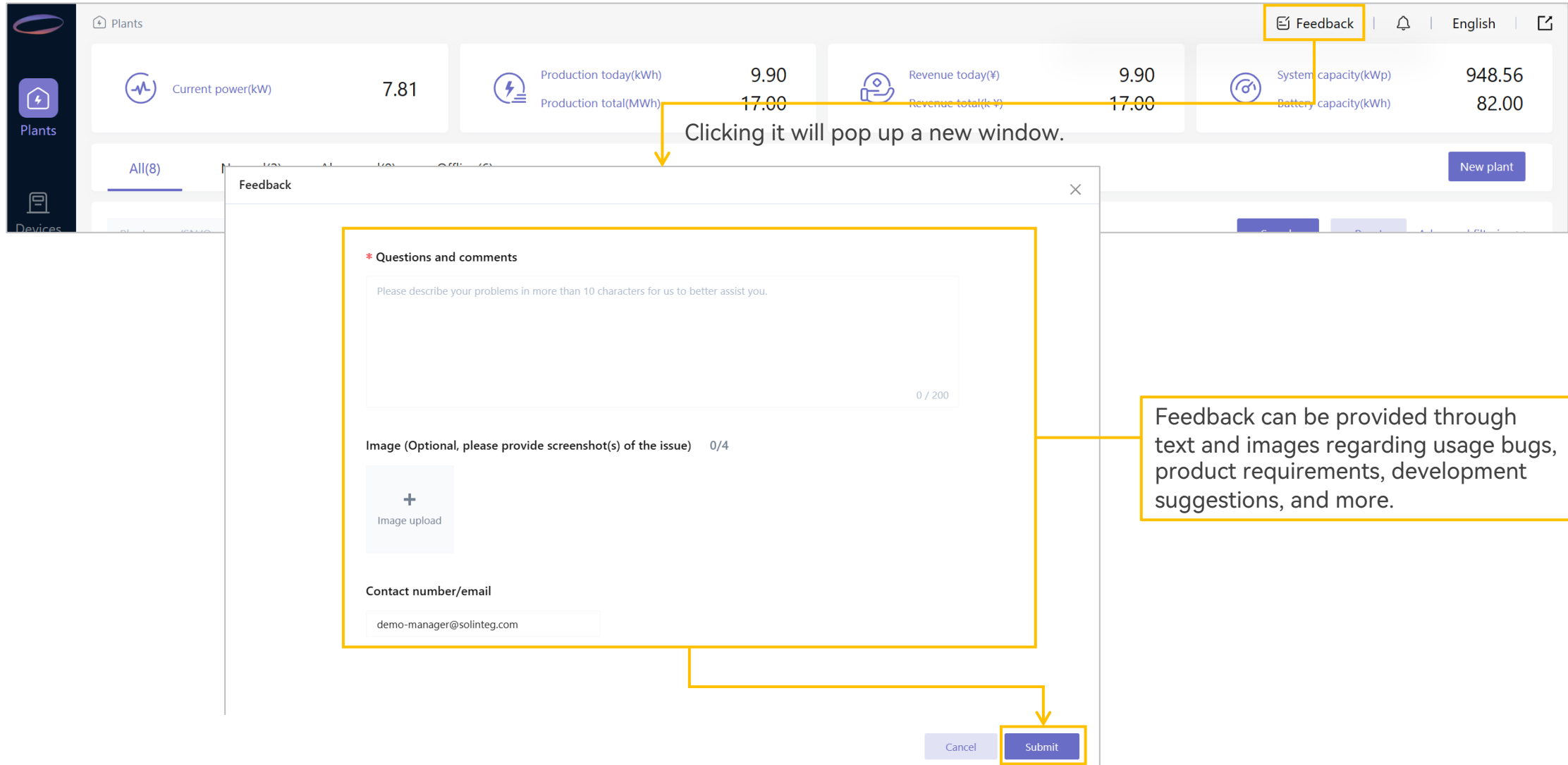
English  
Español  
Polski  
Português  
中文  
Deutsch  
Italiano  
Čeština



# Feedback Function

## Method 1

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



Plants

Feedback

English

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

Clicking it will pop up a new window.

**\* 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

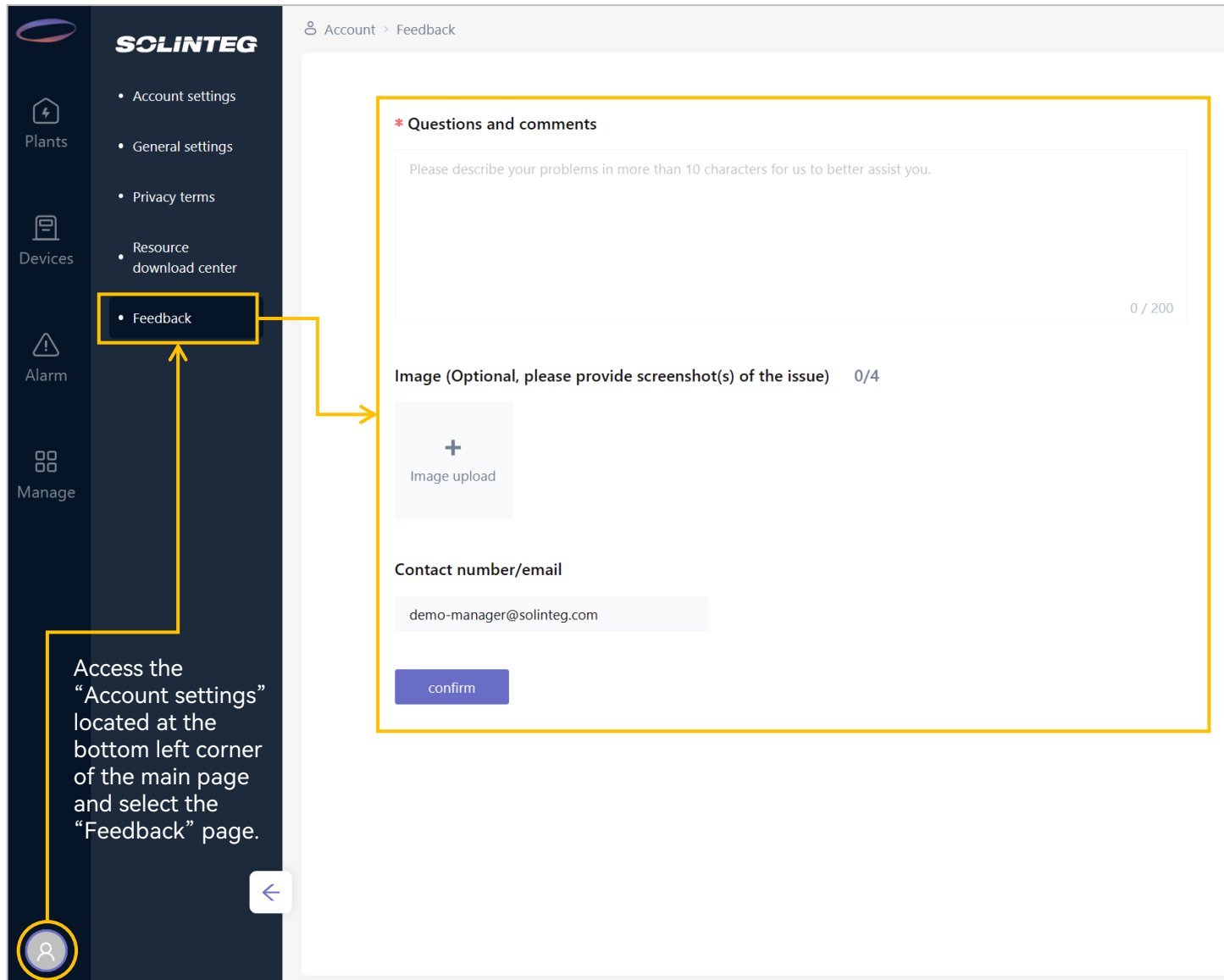
Cancel Submit

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



# 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

SOULINTEG

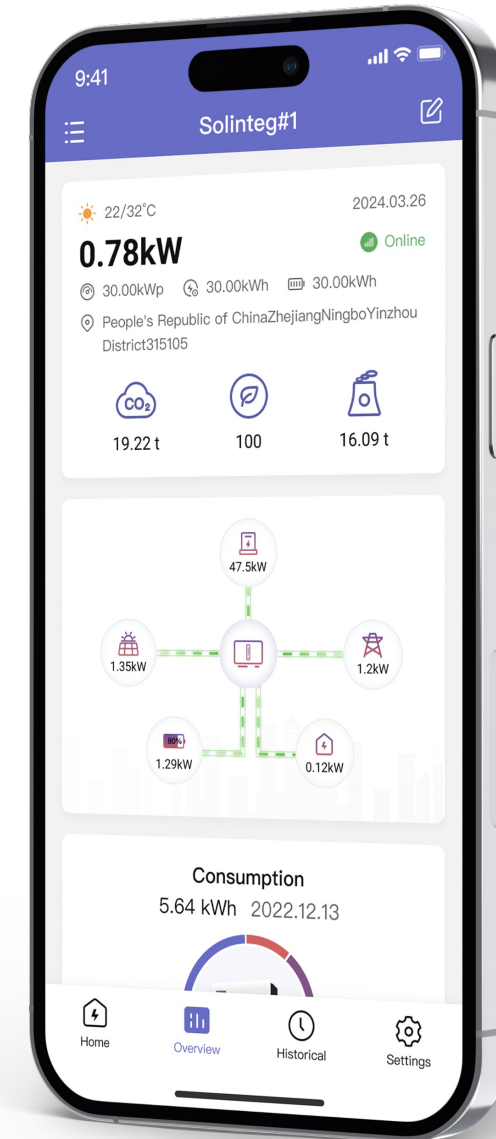
# IntegHub App

## 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, so that will be no need for users to relearn how to use it, which greatly reduces the cost of learning and using.

[For the IntegHub App operation guide, please refer to the App introduction document if you're interested.](#)



# 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



# New Functions Update

SOULINTEG

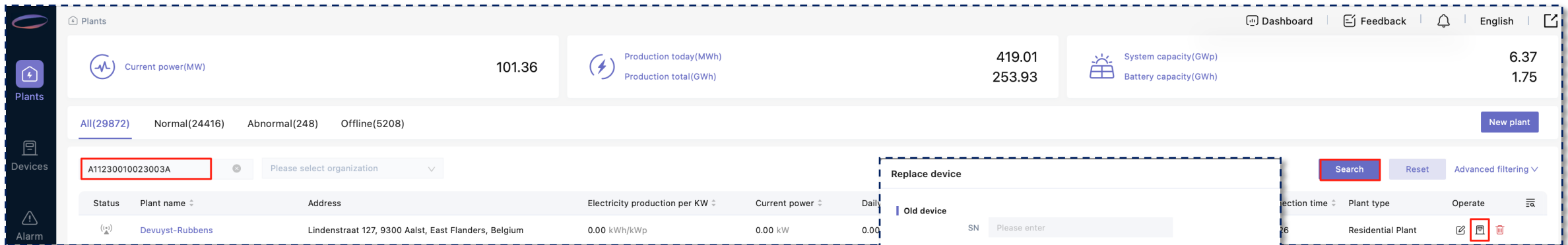
# Device Replacement

## Applicable conditions:

- Organization account.
- The old device is offline on the portal.

## Operation paths:

- Input the serial number of the inverter that you are going to replace in the search box after logging in. Click the “Search”
- Click the “Devices” icon, which is highlighted with a red rectangle box.



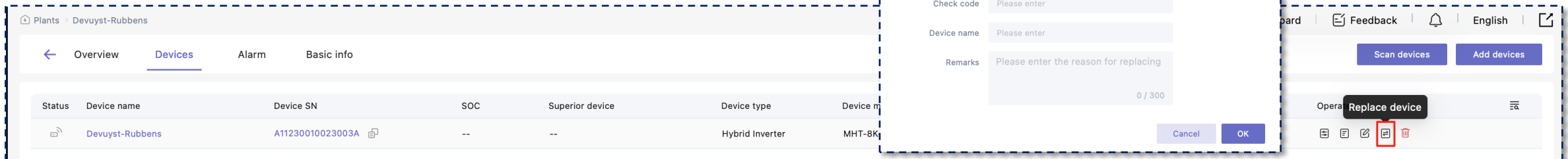
The screenshot shows the dashboard with the following data:

Current power(MW)	101.36	Production today(MWh)	419.01	System capacity(GWp)	6.37
		Production total(GWh)	253.93	Battery capacity(GWh)	1.75

Search results table:

Status	Plant name	Address	Electricity production per KW	Current power	Daily
(-)	Devuyst-Rubbens	Lindenstraat 127, 9300 Aalst, East Flanders, Belgium	0.00 kWh/kWp	0.00 kW	0.00

- Click the “Replace” button.



The screenshot shows the 'Devuyst-Rubbens' plant page with the following data:

Status	Device name	Device SN	SOC	Superior device	Device type	Device m
	Devuyst-Rubbens	A11230010023003A	--	--	Hybrid Inverter	MHT-8K

- Input the relevant information of the old and new devices accordingly.
- The replacement record can be found by clicking “Devices” on the left menu bar and clicking “Replace record.”
- If the deleted inverter needs to be used again in the portal, please click “Clear data” on the “O&M” menu(24Hours after deletion).



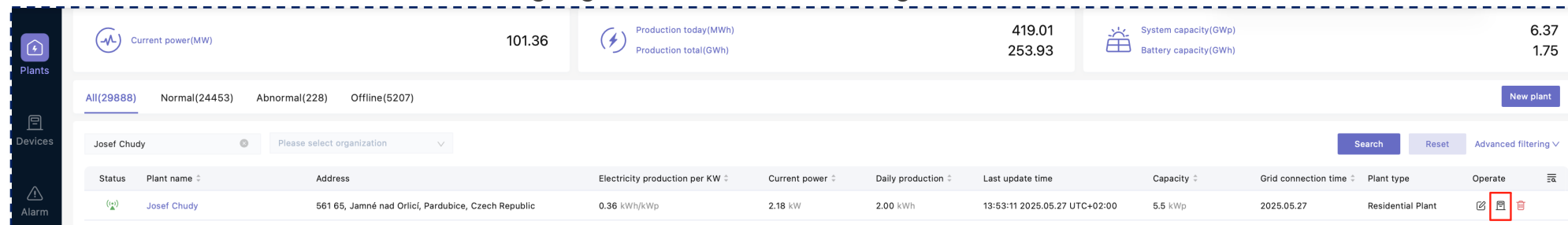
# Breakpoint Resume Function

## Applicable conditions:

- Organization account.
- Device requirements: Gen1 inverters: ARM  $\geq$ V01(24) ; Gen2 inverters: ARM  $\geq$ V05(06) and R2MD  $\geq$ V03(11).

## Operation paths:

- Input the serial number of the inverter in the search box. Click the “Search”.
- Click the “Devices” icon, which is highlighted with a red rectangle box below.



Plants

Current power(MW) 101.36

Production today(MWh) 419.01




Production total(GWh) 253.93

System capacity(GWp) 6.37

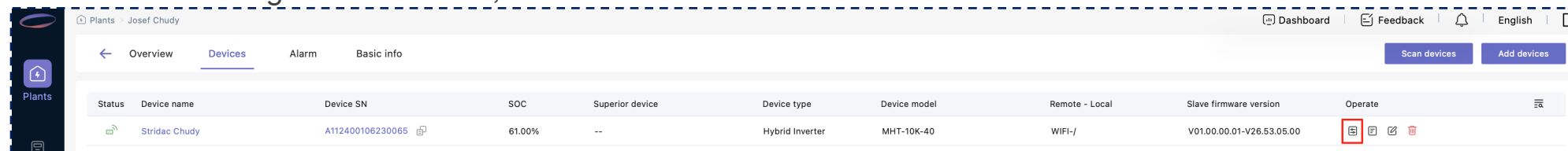
Battery capacity(GWh) 1.75

All(29888) Normal(24453) Abnormal(228) Offline(5207) [New plant](#)

Josef Chudy  [Search](#) [Reset](#) [Advanced filtering](#)

Status	Plant name	Address	Electricity production per KW	Current power	Daily production	Last update time	Capacity	Grid connection time	Plant type	Operate
<span style="color: green;">✔</span>	Josef Chudy	561 65, Jamné nad Orlicí, Pardubice, Czech Republic	0.36 kWh/kWp	2.18 kW	2.00 kWh	13:53:11 2025.05.27 UTC+02:00	5.5 kWp	2025.05.27	Residential Plant	  




- Click the “Configuration” button, which is boxed in red below.



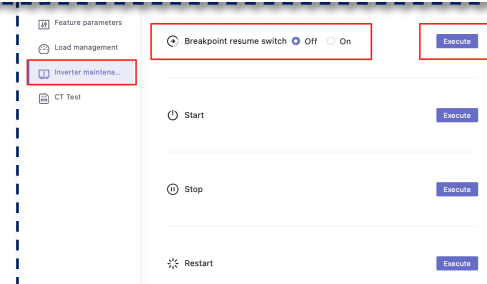
Plants > Josef Chudy

Dashboard | Feedback | English

Overview **Devices** Alarm Basic info [Scan devices](#) [Add devices](#)

Status	Device name	Device SN	SOC	Superior device	Device type	Device model	Remote - Local	Slave firmware version	Operate
<span style="color: green;">✔</span>	Stridac Chudy	A112400106230065	61.00%	--	Hybrid Inverter	MHT-10K-40	WIFI-/	V01.00.00.01-V26.53.05.00	  

- Click the “Inverter Maintenance” button.
- Enable the “Breakpoint resume” function.
- Click the “Execute” button.



Feature parameters

Load management

**Inverter maintenance**

CT Text

Breakpoint resume switch  Off  On [Execute](#)

Start [Execute](#)

Stop [Execute](#)

Restart [Execute](#)

\*Please check with the service team for the proper version requirement for different series inverters.



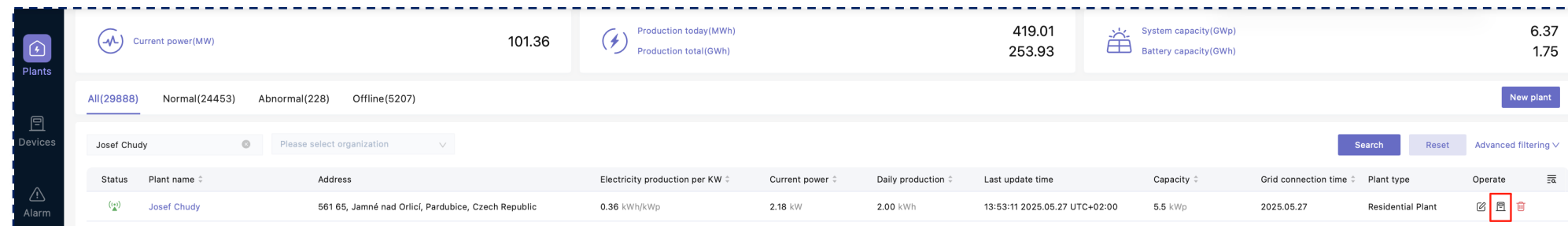
# SOC Reset Function

## Applicable conditions:

- Organization account
- Currently, all the Gen2 inverters support this function, and Gen1 inverters with permitted firmware ARM  $\geq$ V01(23) support this function.

## Operation paths:

- Input the serial number of the inverter in the search box. Click the “Search”.
- Click the “Devices” icon, which is highlighted with a red rectangle box below.



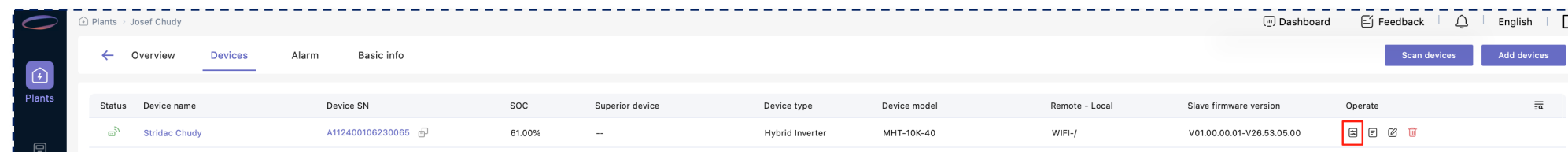
Dashboard overview showing key metrics:

- Current power(MW): 101.36
- Production today(MWh): 419.01
- Production total(GWh): 253.93
- System capacity(GWp): 6.37
- Battery capacity(GWh): 1.75

Device list table:

Status	Plant name	Address	Electricity production per KW	Current power	Daily production	Last update time	Capacity	Grid connection time	Plant type	Operate
🟢	Josef Chudy	561 65, Jammé nad Orlicí, Pardubice, Czech Republic	0.36 kWh/kWp	2.18 kW	2.00 kWh	13:53:11 2025.05.27 UTC+02:00	5.5 kWp	2025.05.27	Residential Plant	🔧 ⚙️ 🗑️

- Click the “Configuration” button, which is boxed in red below.

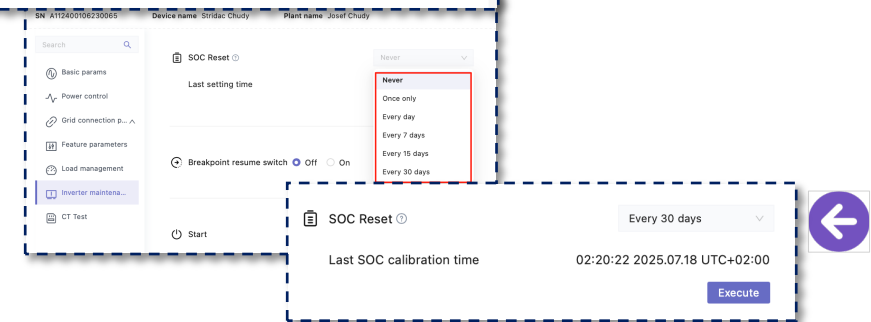


Device details for 'Josef Chudy':

Status	Device name	Device SN	SOC	Superior device	Device type	Device model	Remote - Local	Slave firmware version	Operate
🟢	Stridac Chudy	A112400106230065	61.00%	--	Hybrid Inverter	MHT-10K-40	WiFi-/	V01.00.00.01-V26.53.05.00	🔧 ⚙️ 🗑️

- Click the “Inverter maintenance” button.
- Click the “Down arrow” behind “Never” which is shown in the picture on the right.
- Select the SOC Reset frequency.
- Click the “Execute” button.

Note: The SOC Reset timer will be reloaded when we detect the SOC reaching 100% during normal operation.



Inverter maintenance configuration for device 'Stridac Chudy':

- Search: [ ]
- Basic params
- Power control
- Grid connection p...
- Feature parameters
- Load management
- Inverter maintena... (Selected)
- CT Test

SOC Reset configuration:

- SOC Reset: ⚙️
- Last setting time: [ ]
- Frequency: Never (Selected)
- Options: Never, Once only, Every day, Every 7 days, Every 15 days, Every 30 days
- Breakpoint resume switch: Off / On
- Start: [ ]
- Last SOC calibration time: 02:20:22 2025.07.18 UTC+02:00
- Execute: [ ]

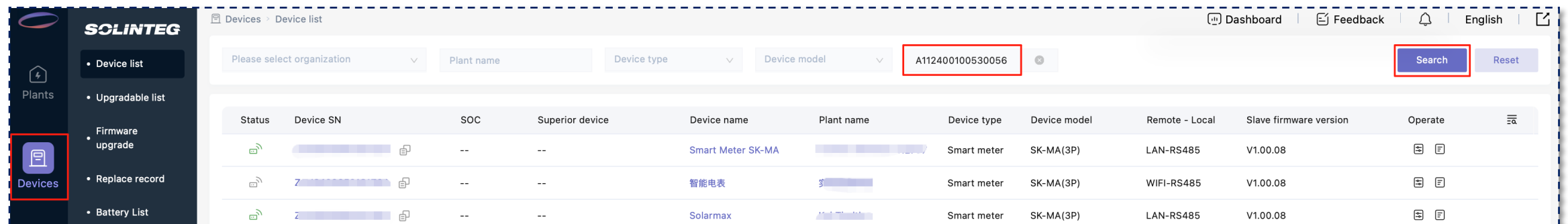
# MPPT Shadow Scan Function

## Applicable conditions:

- Organization account.
- Currently, only MHT4-20K with permitted firmware ARM  $\geq 05(26)$ , DSP  $\geq 00(53)$ .

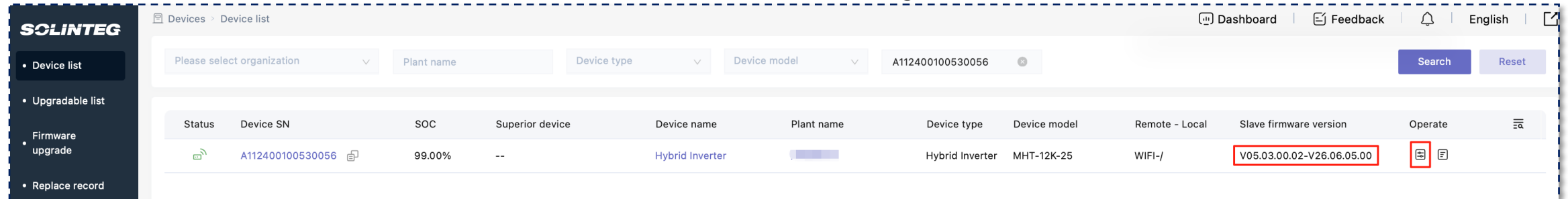
## Operation paths:

- Click "Devices" on the left navigation bar.
- Input the serial number of the inverter you intend to set.



Status	Device SN	SOC	Superior device	Device name	Plant name	Device type	Device model	Remote - Local	Slave firmware version	Operate
	[blurred]	--	--	Smart Meter SK-MA	[blurred]	Smart meter	SK-MA(3P)	LAN-RS485	V1.00.08	
	Z[blurred]	--	--	智能电表	[blurred]	Smart meter	SK-MA(3P)	WIFI-RS485	V1.00.08	
	Z[blurred]	--	--	Solarmax	[blurred]	Smart meter	SK-MA(3P)	LAN-RS485	V1.00.08	

- Make sure the inverter firmware version meet the demand and click "Configuration" button.



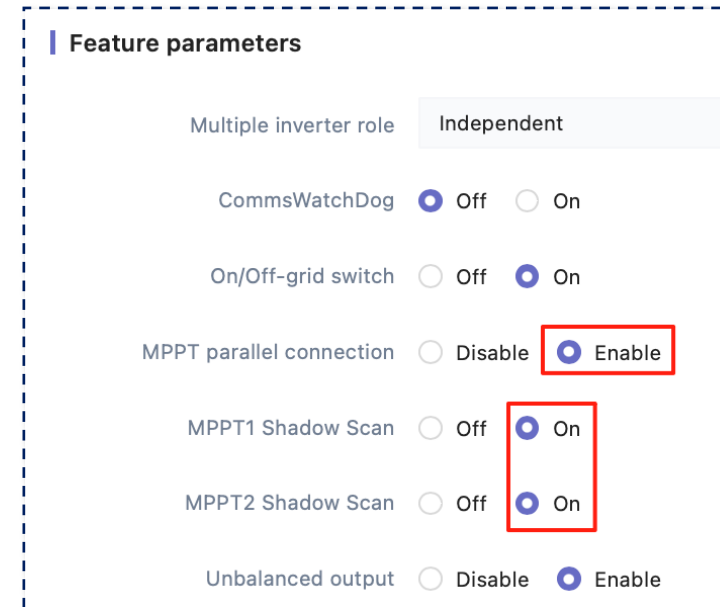
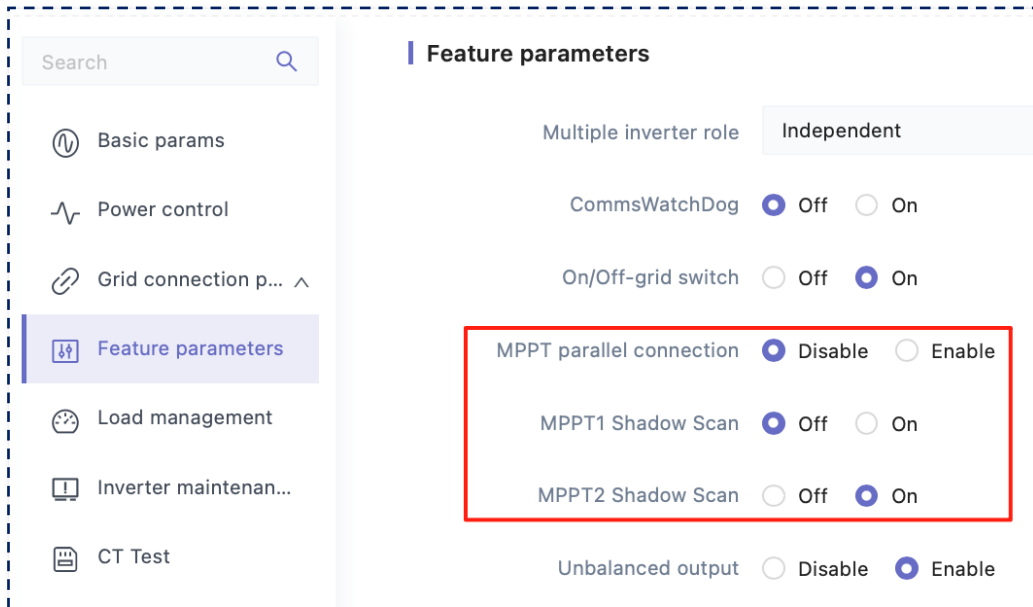
Status	Device SN	SOC	Superior device	Device name	Plant name	Device type	Device model	Remote - Local	Slave firmware version	Operate
	A112400100530056	99.00%	--	Hybrid Inverter	[blurred]	Hybrid Inverter	MHT-12K-25	WIFI-/	V05.03.00.02-V26.06.05.00	

# MPPT Shadow Scan Function

- Click “Feature parameters”.
- The independent MPPT shadow scan switch will show up(According to the inverter's actual MPPT numbers).
- Select “On” to switch on the shadow scan function for the MPPT that faces shadow problem(Please note that if a MPPT parallel function is enabled, the paralleled two MPPTs will align with each other on the shadow scan function).

## Operation paths:

- Click ”Devices” on the left navigation bar.
- Input the serial number of the inverter you intend to set.



- After enabling the MPPT parallel, the shadow scan function of MPPT1 & MPPT2 will be same. (Do not turn on MPPT parallel function if you don't actually use it.)

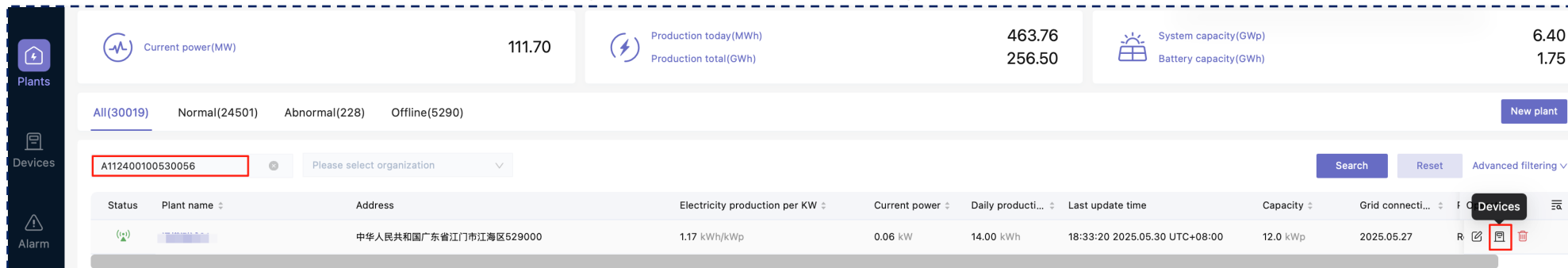
# Dismiss Some Faults Displayed on the Account

## Applicable conditions:

- Organization account.
- The system is not connected battery or smart meter for some special applications.

## Operation paths:



- Input the serial number of the inverter in the search box. Click the “Search”.
- Click the “Devices” icon, which is highlighted with a red rectangle box below.



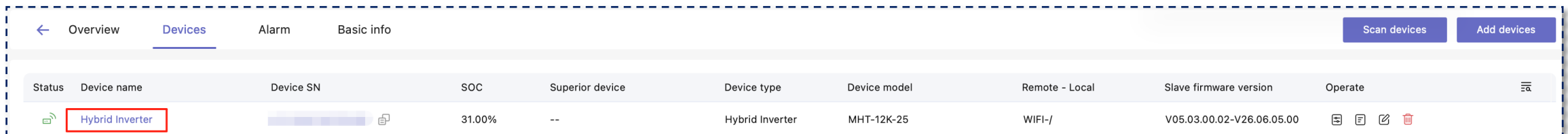
Current power(MW) 111.70    Production today(MWh) 463.76    System capacity(GWp) 6.40  
 Production total(GWh) 256.50    Battery capacity(GWh) 1.75

All(30019) Normal(24501) Abnormal(228) Offline(5290) New plant





A112400100530056  Search Reset Advanced filtering

Status	Plant name	Address	Electricity production per KW	Current power	Daily producti...	Last update time	Capacity	Grid connecti...	Devices
(G)		中华人民共和国广东省江门市江海区529000	1.17 kWh/kWp	0.06 kW	14.00 kWh	18:33:20 2025.05.30 UTC+08:00	12.0 kWp	2025.05.27	R  

- Click the “Device name”, which is highlighted with a red rectangle box below.



← Overview Devices Alarm Basic info Scan devices Add devices

Status	Device name	Device SN	SOC	Superior device	Device type	Device model	Remote - Local	Slave firmware version	Operate
(G)	Hybrid Inverter		31.00%	--	Hybrid Inverter	MHT-12K-25	WIFI-/	V05.03.00.02-V26.06.05.00	   

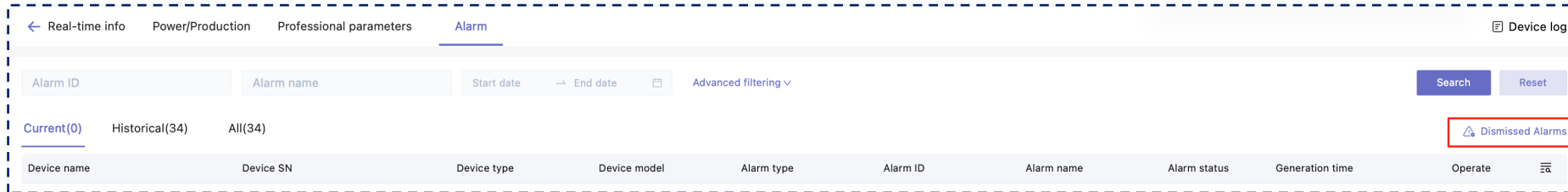
- Click “Alarm”, which is highlighted with a red rectangle box below.



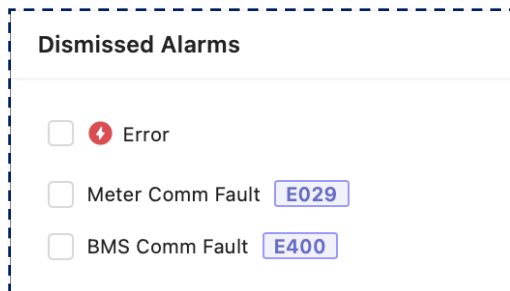
← Real-time info Power/Production Professional parameters Alarm Device log

# Dismiss Some Faults Displayed on the Account

➤ Click the “Dismissed Alarms” icon, which is highlighted with a red rectangle box below.



➤ Put a tick on the box for that one that you want to block according to the real application.



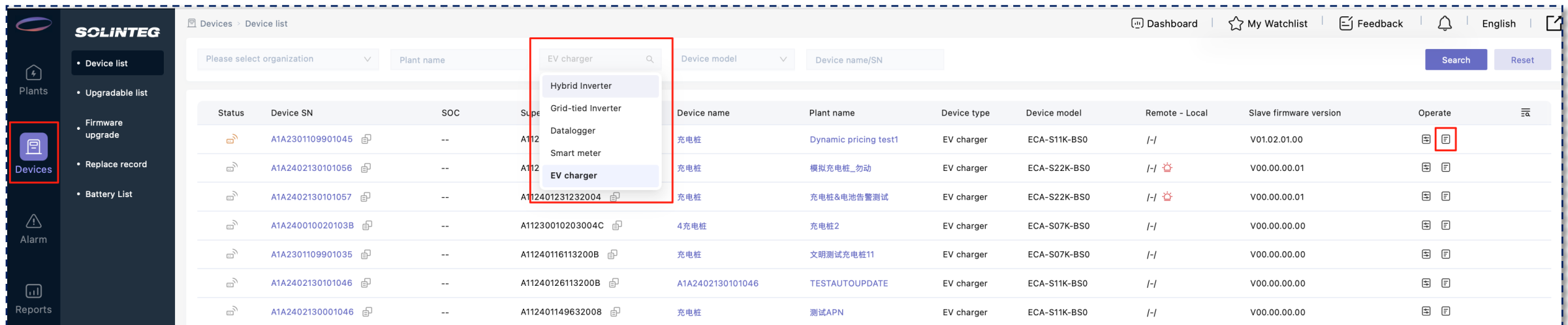
Click “Confirm”.

Note: We suggest you dismiss the Smart Meter communication fault when the system is used in a purely off-grid system without the Smart Meter connected. We suggest you dismiss the BMS communication fault when there’s no battery connected to the system.

# Device Log Function Optimization

## 01 Newly added Smart meter and EV charger's log

- Click "Devices" on the left navigation bar.
- Select device type from the circled list, take EV charger as an example.
- Click the "Log" icon.

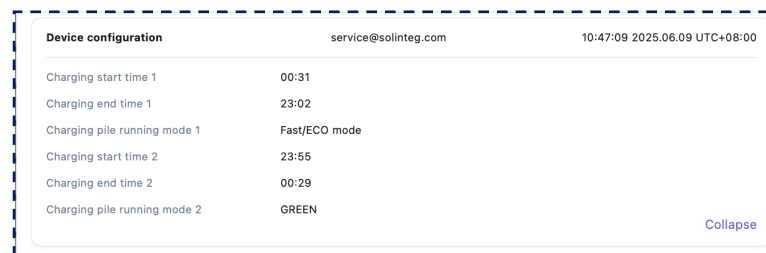


Devices > Device list

Please select organization Plant name EV charger Device model Device name/SN Search Reset

Status	Device SN	SOC	Super	Device name	Plant name	Device type	Device model	Remote - Local	Slave firmware version	Operate
	A1A2301109901045	--	A112	充电桩	Dynamic pricing test1	EV charger	ECA-S11K-BS0	-/-	V01.02.01.00	
	A1A2402130101056	--	A112	充电桩	模拟充电桩_勿动	EV charger	ECA-S22K-BS0	-/-	V00.00.00.01	
	A1A2402130101057	--	A112	充电桩	充电桩&电池告警测试	EV charger	ECA-S22K-BS0	-/-	V00.00.00.01	
	A1A240010020103B	--	A11230010203004C	4充电桩	充电桩2	EV charger	ECA-S07K-BS0	-/-	V00.00.00.00	
	A1A2301109901035	--	A11240116113200B	充电桩	文明测试充电桩11	EV charger	ECA-S07K-BS0	-/-	V00.00.00.00	
	A1A2402130101046	--	A11240126113200B	A1A2402130101046	TESTAUTOUPDATE	EV charger	ECA-S11K-BS0	-/-	V00.00.00.00	
	A1A2402130001046	--	A112401149632008	充电桩	测试APN	EV charger	ECA-S11K-BS0	-/-	V00.00.00.00	

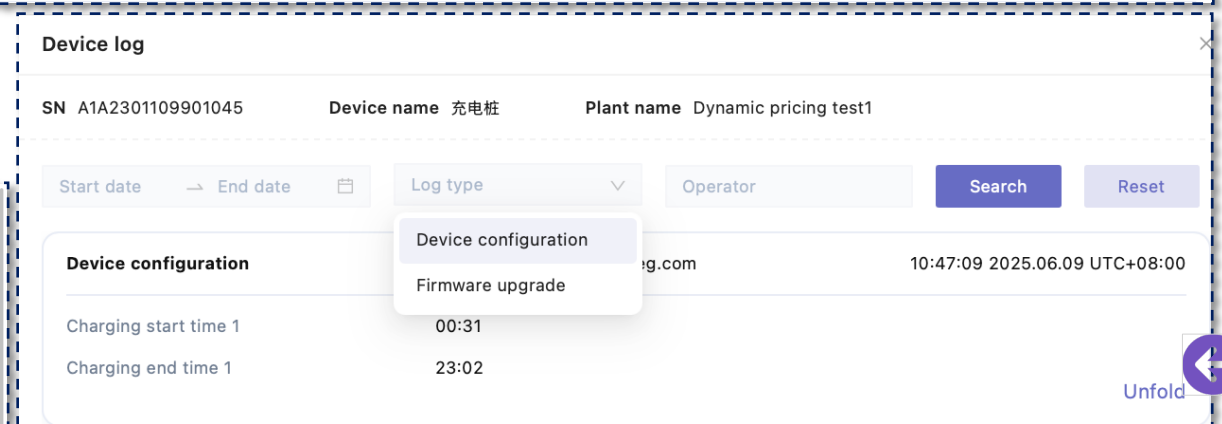
- The log history will be displayed as shown on the left.
- Click "Unfold" to see the details of the log.
- You can filter the log from different dimensions as well.



Device configuration service@solinteg.com 10:47:09 2025.06.09 UTC+08:00

Charging start time 1	00:31
Charging end time 1	23:02
Charging pile running mode 1	Fast/ECO mode
Charging start time 2	23:55
Charging end time 2	00:29
Charging pile running mode 2	GREEN

Collapse



Device log

SN A1A2301109901045 Device name 充电桩 Plant name Dynamic pricing test1

Start date End date Log type Operator Search Reset

Device configuration service@solinteg.com 10:47:09 2025.06.09 UTC+08:00

Charging start time 1	00:31
Charging end time 1	23:02

Unfold

# Device Log Function Optimization

## 02 Optimize the layout of the device logs for convenient viewing

➤ Previous log layout was inconvenient to see the details of every log.

Old

**Device log**

SN Z112400224730291    Device name Hybrid Inverter    Plant name Metzen Badem

Start date → End date    Log type    Operator    Search    Reset

No.	Operation time	Log type	Operator	Operate	
1	19:12:50 2024.11.13 UTC+01:00	Device configura...	unknown	<a href="#">Detail</a>	On
2	15:08:06 2024.10.27 UTC+01:00	Device configura...	thomasmetzen...	<a href="#">Detail</a>	On
3	14:59:27 2024.10.27 UTC+01:00	Device configura...	thomasmetzen...	<a href="#">Detail</a>	
4	14:36:31 2024.09.20 UTC+02:00	Device configura...	j.koemen@sola...	<a href="#">Detail</a>	
5	12:15:11 2024.08.29 UTC+02:00	Device configura...	j.koemen@sola...	<a href="#">Detail</a>	
6	12:00:13 2024.08.29 UTC+02:00	Device configura...	j.koemen@sola...	<a href="#">Detail</a>	
7	11:30:53 2024.08.29 UTC+02:00	Device configura...	j.koemen@sola...	<a href="#">Detail</a>	
8	11:30:20 2024.08.29 UTC+02:00	Device configura...	j.koemen@sola...	<a href="#">Detail</a>	
9	19:12:59 2024.08.28 UTC+02:00	Device configura...	j.koemen@sola...	<a href="#">Detail</a>	
10	14:18:33 2024.08.28 UTC+02:00	Device configura...	j.koemen@sola...	<a href="#">Detail</a>	
11	17:25:35 2024.08.20 UTC+02:00	Firmware upgrade	j.koemen@sola...	<a href="#">Detail</a>	
12	17:22:51 2024.08.20 UTC+02:00	Firmware upgrade	j.koemen@sola...	<a href="#">Detail</a>	
13	17:08:57 2024.08.20 UTC+02:00	Device configura...	j.koemen@sola...	<a href="#">Detail</a>	

**Log details**

SOC on-grid protection    On

Off-grid SOC protection    On

New

**Device log**

SN A11240010034102B    Device name A11240010034102B    Plant name 电池柜测试

Start date → End date    Log type    Operator    Search    Reset

**Device configuration**    service@solinteg.com    08:32:21 2025.06.06 UTC+02:00

Set time group    Unfold

**Device configuration**    service@solinteg.com    08:30:04 2025.06.06 UTC+02:00

Work Mode    ToU mode

**Device configuration**    service@solinteg.com    03:26:43 2025.06.06 UTC+02:00

Work Mode    GeneralMode

**Device configuration**    service@solinteg.com    07:49:12 2025.06.05 UTC+02:00

Work Mode    Off-grid Mode

**Device configuration**    service@solinteg.com    07:29:36 2025.06.05 UTC+02:00

Set time group    Unfold

**Device configuration**    service@solinteg.com    05:32:04 2025.06.05 UTC+02:00

Set time group    Unfold

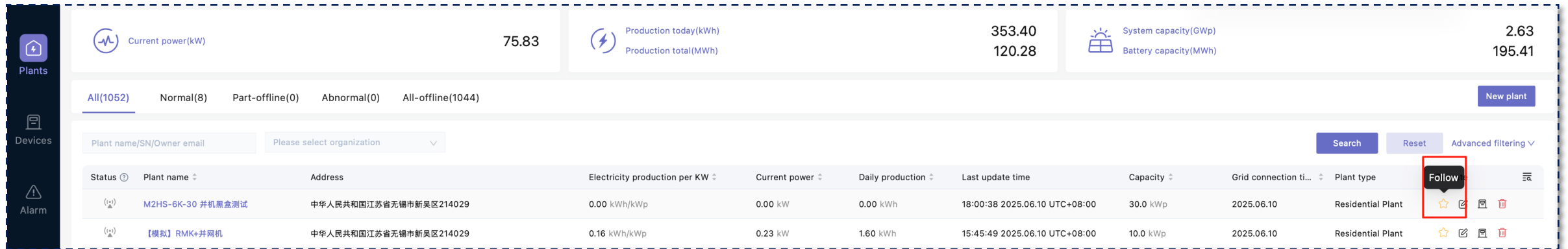
# Power Plant Following Function

## Applicable conditions:

- Organization account.

## Operation paths:

- Click the “Star” icon at the right end of the plant list.



Current power(kW) 75.83

Production today(kWh) 353.40  
Production total(MWh) 120.28

System capacity(GWp) 2.63  
Battery capacity(MWh) 195.41

All(1052) Normal(8) Part-offline(0) Abnormal(0) All-offline(1044) [New plant](#)

Plant name/SN/Owner email Please select organization [Search](#) [Reset](#) [Advanced filtering](#)

Status	Plant name	Address	Electricity production per KW	Current power	Daily production	Last update time	Capacity	Grid connection ti...	Plant type	Follow
(+)	M2HS-6K-30 并机黑盒测试	中华人民共和国江苏省无锡市新吴区214029	0.00 kWh/kWp	0.00 kW	0.00 kWh	18:00:38 2025.06.10 UTC+08:00	30.0 kWp	2025.06.10	Residential Plant	★
(+)	【模拟】RMK+并网机	中华人民共和国江苏省无锡市新吴区214029	0.16 kWh/kWp	0.23 kW	1.60 kWh	15:45:49 2025.06.10 UTC+08:00	10.0 kWp	2025.06.10	Residential Plant	★

- Click ”My watchlist” to see all the plants you have followed.



Plants [Dashboard](#) [My Watchlist](#) [Feedback](#) [English](#)

My Watchlist [View in plant list](#)

Plant status	Plant name	Current power	Daily production	Last update time	Operate
(+)	TEST-JK001	0.00 kW	0.00 kWh	17:25:19 2025.06.10 UTC+08:00	📄
(+)	【模拟】RMK+并网机	0.23 kW	1.60 kWh	15:45:49 2025.06.10 UTC+08:00	📄
(+)	M2HS-6K-30 并机黑盒测试	0.00 kW	0.00 kWh	18:00:38 2025.06.10 UTC+08:00	📄

- Click “Plant name” or the operate button to jump to the homepage of the plant.
- Click the yellow star to unfollow the plant if you want.

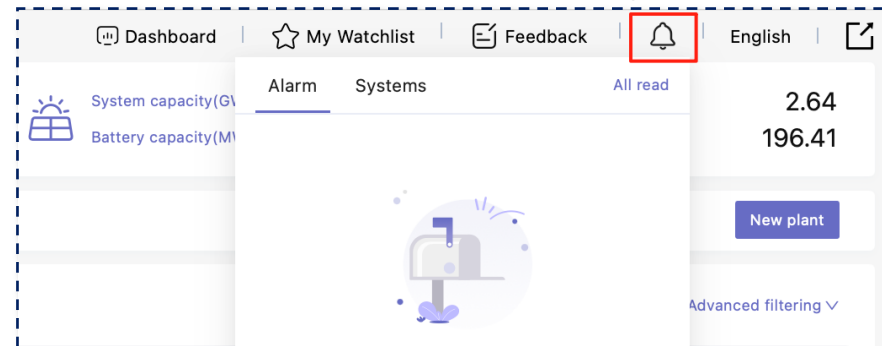
# Optimize the Organization's Alarm-pushing Rules

## Applicable conditions:

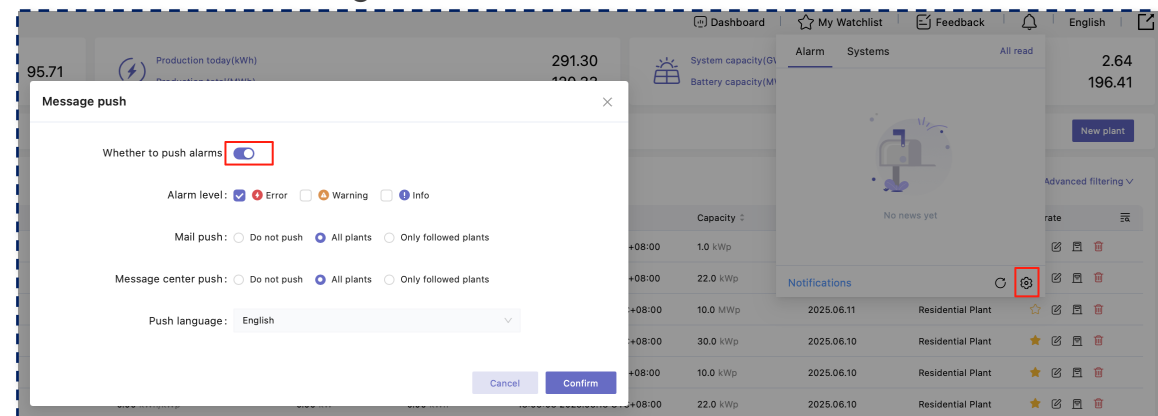
- Organization account.

## Operation paths:

- Click the "Bell" icon at the top right corner after logging into the organization account.



- Click the "Settings" button, which is boxed in red, and then enable the alarm button.



# Optimize the Organization's Alarm-pushing Rules

## Operation paths:

- Now you can configure which level of alarms you would like to receive by selecting from the row "Alarm level".
- Select the scope of alarms received by email and by message center.
- You can choose your preferred language for the alarm.
- Click "Confirm".

## Benefits:

- This can help organizations avoid receiving too many unimportant alarms.

Message push

Whether to push alarms:

Alarm level:  Error  Warning  Info

Mail push:  Do not push  All plants  Only followed plants

Message center push:  Do not push  All plants  Only followed plants

Push language: English

English  
Español  
Polski  
Português  
中文简体  
Deutsch  
Italiano  
Čeština

Confirm

# Inverter Sub-status Function for Fault Analysis

## Applicable conditions :

- Organization account.
- Hybrid inverters are available now and will be imported to on-grid inverters in the future.

## Operation paths:

- Click the name of the plant that you're going to check.

The screenshot shows the 'Plants' page with a sidebar on the left containing 'Plants', 'Devices', and 'Alarm' icons. The main content area displays 'Current power(kW)' as 78.61 and a list of plants. The 'Jerom5kw' plant is highlighted with a red box. To the right, a modal window for 'Jerom5kw' is open, showing tabs for 'Overview', 'Devices', 'Alarm', and 'Basic info'. The 'Devices' tab is selected and highlighted with a red box. Below the tabs is a table of devices:

Status	Device name	Device SN	SOC	Superior device
		A1L24001004000A9	--	--
	A112500104741045	A112500104741045	0.00%	A1L24001004000A9
	柴发	--	--	A112500104741045

- Click "Devices", click the SN of the device.
- You will see the sub-status of the inverter and click the question mark to see the causes.

The screenshot shows the 'Sub-status' page for device A112500104741045. The page header includes 'Device Name', 'SN', and 'Last update time'. Below is a table of 'Inverter basic parameters':

Inverter basic parameters			
Device Status	Standby	Sub-status	DC Abnormal
Meter status	Abnormal	Export limit	On
Total operation time	17H	Inverter Temperature	28.4°C
Device Model	M2HT-50K-150	Rated Power	50.00kW

(1) The inverter cannot generate power normally because the DC voltage exceeds the limit. Check the DC voltage to ensure that it is within the allowable range of the inverter. (2) Check whether the battery BMS status is normal.

Sub-status

DC Abnormal

# DG/Smart Meter/Datalogger Installation Data Report

Applicable conditions :

- Organization account.

Operation paths:

- Click “Reports”, “Installed capacity report”.

The screenshot shows the SOLINTEG 'Installed Capacity Report' interface. The left sidebar has 'Reports' selected. The main area displays a table of device data with columns: Device SN, Device model, Slave firmware version, Rated power(kW), Battery model, and Battery capacity(kWh). The search filter panel on the right includes fields for Inverter, Start time, End time, Please select organization, and Advanced filtering. Below these are dropdowns for Device model and Country, and input fields for Battery capacity (ranging from 0 to 1,000,000 kWh). Search and Reset buttons are at the bottom.

Device SN	Device model	Slave firmware version	Rated power(kW)	Battery model	Battery capacity(kWh)
A11230010203004C	MHT-10K-25	V06.02.00.02-V04.36.05.00	10	WeCo_HV	0
A11240020184005A	M2HS-6K	V1-0355-0102	6	Solinteg_HV	5.12
A112400100532049	MHT-50K-100	V05.05.04.04-V25.45.06.00	50	WeCo_HV	0
A112400112032042	MHT-50K-100	V05.05.04.04-V25.45.06.00	50	WeCo_HV	0
D11230010203004C	Hybrid-10K	V06.02.00.02-V00.36.05.00	10	--	0
A212300188930046	MHT-10K-25	V01.00.00.00-V17.45.02.00	10	EBS-5150	0
A212300164230043	MHT-10K-25	V01.00.00.00-V17.45.02.00	10	EBS-5150	0
A102500100420024	O2GS-3.3K	V1-0200-0250	3.3	No_Battery	--

- Select the device and set the search time period. You can also use the advanced filter function for specific model capacity filtering.

The screenshot shows the SOLINTEG 'Installed Capacity Report' interface with search filters applied. The 'Inverter' dropdown is set to 'Diesel generator' and the 'Start time' is '2025.06.01' and 'End time' is '2025.06.13'. The table below shows the filtered results.

Device SN	Device model	Slave firmware version	Rated power(kW)	Battery model	Battery capacity(kWh)
A11230010203004C	MHT-10K-25	V06.02.00.02-V04.36.05.00	10	WeCo_HV	0
A11240020184005A	M2HS-6K	V1-0355-0102	6	Solinteg_HV	5.12



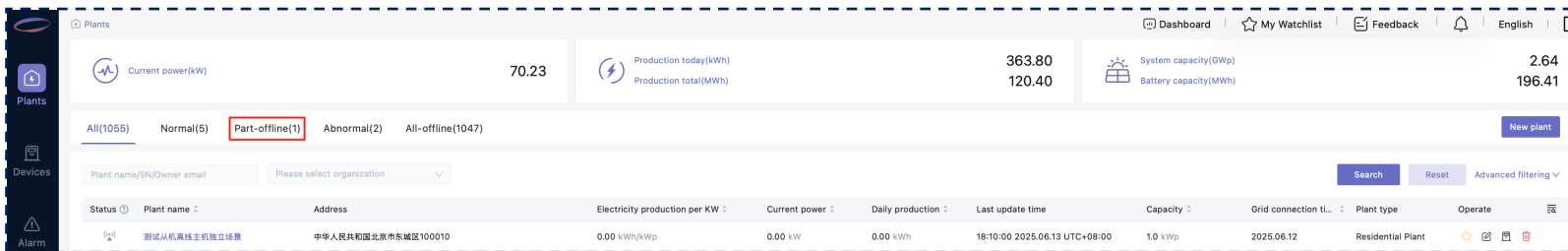
# Part Offline Status for the Complex Plant

## Applicable conditions :

- Part-offline is suitable for power plants with multiple interconnected devices, where some devices may be offline due to normal operation, such as on-grid inverters not working at night. In such cases, the system will show "part offline" instead of indicating an abnormal status.

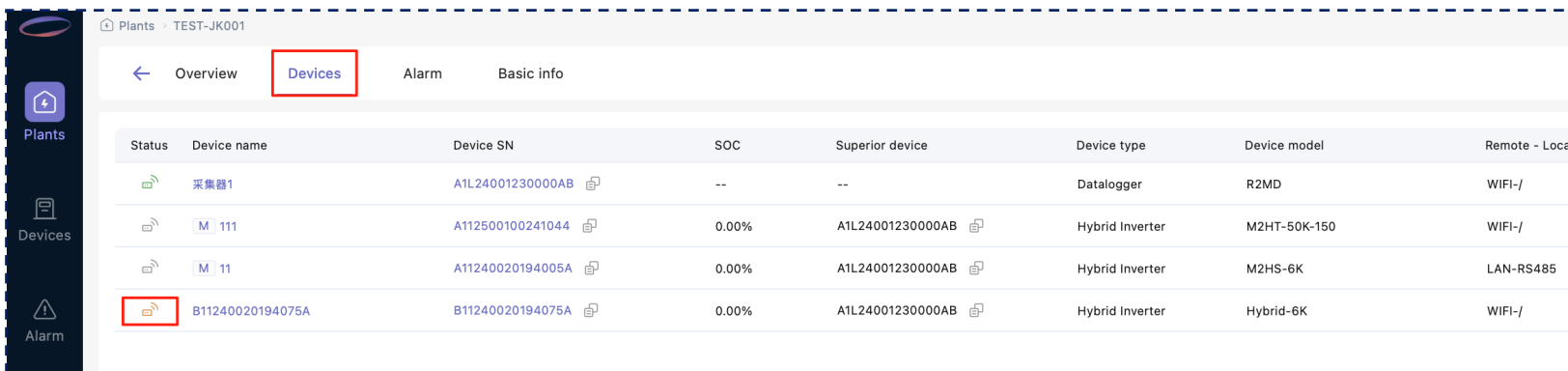
## Operation paths:

- Click the "Part-offline" to see a list of plants with part offline issues.



The screenshot shows the 'Plants' dashboard with a navigation bar at the top containing 'Dashboard', 'My Watchlist', 'Feedback', 'English', and a share icon. Below the navigation bar are three summary cards: 'Current power(kW)' at 70.23, 'Production today(kWh)' at 363.80 and 'Production total(MWh)' at 120.40, and 'System capacity(GWp)' at 2.64 and 'Battery capacity(MWh)' at 196.41. A filter bar shows 'All(1055)', 'Normal(5)', 'Part-offline(1)' (highlighted with a red box), 'Abnormal(2)', and 'All-offline(1047)'. Below the filter bar is a search area with 'Plant name/SN/Owner email' and 'Please select organization' dropdowns, and 'Search', 'Reset', and 'Advanced filtering' buttons. A table below lists plant details with columns: Status, Plant name, Address, Electricity production per kW, Current power, Daily production, Last update time, Capacity, Grid connection ti..., Plant type, and Operate. The first row shows a plant with status 'Part-offline' and name '测试从机离线主机独立场景'.

Click the name of the power plant, then click "Devices", and you will know which inverter is offline.



The screenshot shows the 'Devices' page for a specific plant (TEST-JK001). The navigation bar at the top has 'Overview', 'Devices' (highlighted with a red box), 'Alarm', and 'Basic info'. Below the navigation bar is a table with columns: Status, Device name, Device SN, SOC, Superior device, Device type, Device model, and Remote - Local. The table lists four devices. The first device is '采集器1' with status 'Online'. The second is 'M\_111' with status 'Online'. The third is 'M\_11' with status 'Online'. The fourth is 'B11240020194075A' with status 'Offline' (highlighted with a red box) and SOC '0.00%'. The table also shows 'Superior device' and 'Device type' for each device.

If the offline is a normal feature of the device, ignore it.

# RCR+14a Function

## Applicable conditions :

- The RCR function applies to countries that require using the signal from the RCR device to control inverter output power when the grid is overloaded, especially in countries like Germany and Austria.
- 14a is a new requirement from Germany that limits the maximum power drawn from the grid to 4.2kW when the grid power is insufficient. The limit device includes batteries, EV chargers, heat pumps, and other air conditioners.

## Operation paths:

- This function is under the “Power control” of the device “Parameter settings” page.
- Click “DI port configuration”, select “RCR”.

The screenshot displays the 'Parameter settings' page for a device. The 'Power control' section is active, and the 'DI port configuration' dropdown is open, showing 'RCR' as the selected option. The 'RCR control mode' dropdown is also open, showing 'Normally open' as the selected option. The 'RCR control mode' table is visible, showing the configuration for K1, K2, K3, and K4.

DI port configuration	RCR
RCR control mode	Normally open
K1	Normally open
K2	Normally closed
K3	Normally open
K4	Normally open
Percentage	100 %

\*Note: Do not open the RCR control without the RCR device connected.

- Select the control mode of the RCR device from “NO” and “NC” according to your RCR device control method.

# RCR+14a Function

## Definitions of RCR switch combinations:

K1	K2	K3	K4	Percentage
⊖	⊖	⊖	⊖	100 %
●	⊖	⊖	⊖	100 %
⊖	●	⊖	⊖	60 %
⊖	⊖	●	⊖	30 %
⊖	⊖	⊖	●	0 %

The system will operate according to the value in this row when the RCR device is not connected or it's connected but does not give a signal.

The system will operate according to the value in this row when the K1 of the RCR device is closed under NO control.

The system will operate according to the value in this row when the K2 of the RCR device is closed under NO control.

The system will operate according to the value in this row when the K3 of the RCR device is closed under NO control.

The system will operate according to the value in this row when the K4 of the RCR device is closed under NO control.

K1	K2	K3	K4	Percentage
●	●	●	●	100 %
⊖	●	●	●	100 %
●	⊖	●	●	60 %
●	●	⊖	●	30 %
●	●	●	⊖	0 %

The system will operate according to the value in this row when the RCR device is connected and all closed under NC control.

The system will operate according to the value in this row when the K1 of the RCR device is open under NC control.

The system will operate according to the value in this row when the K2 of the RCR device is open under NC control.

The system will operate according to the value in this row when the K3 of the RCR device is open under NC control.

The system will operate according to the value in this row when the K4 of the RCR device is open under NC control.

The system will operate at the minimum value of these 5 rows if the RCR device is not connected or it's connected but does not give a signal.



# RCR+14a Function

## RCR switch activation status check:

➤ The activated RCR information can be found in the device information page.

The screenshot shows the 'Real-time info' page for an inverter. Under 'Inverter basic parameters', the 'RCR switch status' is highlighted with a red box and shows 'K3\_30%'.

Inverter basic parameters	
Device Status	Normal
Work Mode	General Mode
Meter status	Normal
Export limit	On
Feed in Grid	1.0kW
Total operation time	664H
Inverter Temperature	37.0°C
Device Type	Hybrid Inverter
Device Model	MHT-25K-100
Rated Power	25.00kW
Slave Firmware Version	V05.05.04.02-V26.38.06.00
Check Code	547208
Communication mode	LAN-/
IP address	192.168.8.143
Device role	Independent
Connection date	15:54:31 2025.06.24 UTC+02:00
PV Power	0.00kW
Daily PV generation	0.00kWh
Total PV generation	1.08MWh
RCR switch status	K3_30%

➤ The 14a function needs to be realized with an external control device from the energy supplier, and the device is connected to the inverter COM2 pin 15/16. That means this function will conflict with DG and DRED.

The screenshot shows the 'DI port configuration' page with the '14a switch' set to 'On'. A 'Note' dialog box is displayed, stating: 'The system has detected that the DRM function is enabled. Due to a function conflict, please disable DRM first, then enable the 14a enable switch. Modification path: Power control -> DI port configuration'. A 'Confirm' button is visible at the bottom of the note.

## RCR + 14a function requirement:

➤ The new RCR function and 14a will only be available when the firmware of the system meets below requirements:

Function	MHS3-8K		MHT4-20K		MHT25-50K		M2HS3-6K			M2HT25-50K			Parallel System
Item	ARM	DSP	ARM	DSP	ARM	DSP	ARM	DSP	R2MD	ARM	DSP	R2MD	
RCR	06	/	06	/	06	/	04	/	03	04	/	03	Master configurable, slave view only
14a	06	/	06	/	06	/	04	/	03	04	/	03	



# Custom Switches' Definition and Explanation

## Definition of switches in the "Custom switch"

- Custom switches integrated some important functions that are used in optimizing the inverter's off-grid loading capability. The operation of these switches must be under the guidance of the Solinteg technicians.

The screenshot shows the 'Custom switches' configuration page in the Solinteg interface. The page lists several functions with 'Off' and 'On' radio buttons. Yellow callout boxes provide detailed definitions and applicability for each function.

Function Name	Current Status	Definition and Applicability
Grid recover back-up output delay function	On	<b>Define</b> switching from off-grid to on-grid with a delay or not. <b>Applicable</b> to the situation that the customer uses an ATS that cannot auto-reset, the delay function should be selected. The Back-up side will output with a 500ms delay, allowing the ATS to switch from the Back-up side to the Grid side.
Grid recover self-check function	Off	<b>Define</b> whether the inverter conducts an auto-test when the grid recovers. Disabling this function may not comply with the safety regulations. Enabling this function will cause the Back-up output to be interrupted if the power grid fails again during the auto-test.
Back-up box detection function	On	<b>Detect</b> if the Back-up box is in good condition. Enabling this function, the inverter will detect if the Back-up box is in good condition. This function is default-enabled in an off-grid parallel system. For a single inverter with a Back-up box installed, please enable this function manually.
Grid lost back-up output delay function	On	<b>Define</b> the inverter Back-up output as a UPS or EPS. Enabling this function introduces a 2s delay in the Back-up output, providing an EPS-level switchover and enhancing the system's off-grid load capability. Disabling it offers a UPS-level switchover for small loads but may prevent the inverter from switching to Off-grid mode for large loads.
Grid active balancing function	Off	<b>Enable</b> grid balancing even without battery and PV power under the condition that the inverter has been started. <b>Applicable</b> for users who want to achieve grid balancing when PV is off at night and no battery is connected.
GFCI protection function	Off	If there's a leakage current problem with the system in the high-humidity weather, disabling this function can prevent the inverter from stopping working. Make sure there's no real leakage problem if you want to disable it.
Active islanding disturbance function	On	<b>Enable</b> just to turn off the active islanding disturbance, not including the passive islanding protection. <b>Applicable</b> to some test situations.
Off-grid parallel power distribution function	Off	<b>Enable</b> to allow the master inverter to distribute the power of slave inverters in an Off-grid parallel situation. <b>Disable</b> this function if back-up loads are independently connected with each inverter.



# Plant Comparison Function

## Application conditions:

- Organization account

## Operation paths:

- Sign in organization account---Click “Reports”---Click “Plant comparison”---Click “Add new comparison”

Reports · Plant comparison

Dashboard | My Watchlist | Feedback | English

Please enter a report name | Please select the generation time

Search | Reset | + Add new comparison

Name	Comparison dimension	Creation time	Operate
------	----------------------	---------------	---------

### Add new comparison

\* Name:

\* Comparison dimension:  Daily  Monthly  Yearly

\* Select plants:  All plants(32709)  Plant Followed(8)  Select the plants you want to compare

\* Select comparison dimensions:  PV Production  General consumption  Import energy  Export energy  Charging volume  Discharging volume  Third-party production  Diesel generator production  EV charger consumption

- Set the comparison name, select comparison dimensions, and plants accordingly.
- Click “Save”
- If the data volume is too large, the system will prompt you to export the comparison report for viewing or analysis.
- The exported reports can be found in “Export records”
- Click the “Download” button to download the report.

Reports · Export records

Dashboard | My Watchlist | Feedback | English

Please enter a report name | Please select the gen...

Search | Reset

Statement Name	Report Type	Export object	Time slot	Generation time	Export Status	Operate
Plant comparison_Month_202506_202507	Plant comparison	Plants	2025.06 - 2025.07	2025.07.25	Export Successful	
Plant comparison_Month_202502_202507	Plant comparison	Plants	2025.02 - 2025.07	2025.07.25	Export Successful	

# THANK YOU

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