

REFUview

Overview
&
Operation

web

web

REFUview

mobile

Contents

This document introduces REFUview and its use for monitoring and controlling solar PV plants. It covers access via web and mobile applications, key functions, and step-by-step operating instructions.

Web Application REFUview

REFUview

EN

Sign in

Email *

Enter your email address

Username is required

Password *

Enter your password

Password is required

☐ Remember this device ⓘ

Forgot your password?

Sign in

Don't have an account? [Sign up](#)

[Privacy Policy](#) [Imprint](#) [Third-Party Notices](#)

Click sign up

1 Visit www.refuview.com and follow the on-screen instructions to create your account.

2 Click "Sign Up" to create your account.

REFUview

EN

Create your account

First Name *

Enter your first name

Family Name *

Enter your family name

Email *

Enter your email address

Username is required

Phone Number *

+1234567890

Please enter your phone number with country code

Password *

Enter your password

Password is required

Confirm Password *

Enter your password again

Sign up

Already have an account? [Sign in](#)

3 Fill in the required details to complete your registration.

The screenshot shows the REFUview 'Create your account' page. It includes input fields for 'First Name', 'Family Name', and 'Email'. A modal window titled 'Verification code' is open, asking the user to enter a 6-digit code sent to 'aditya.awasthi@rocketmail.com'. The modal has a 'Verify' button and a 'Resend code' link. A red arrow points to the 'Verify' button with the text 'Click to verify'. Below the modal is a large red 'Sign up' button. At the bottom, there is a link for 'Already have an account? Sign in' and links for 'Privacy Policy', 'Imprint', and 'Third-Party Notices'. To the right, a smartphone displays an SMS message from '57575701' with the verification code '016389' highlighted in a yellow box.

4 Once you have filled in your details and clicked "Sign Up", a window will appear prompting you to enter the verification code.

5 You will receive a 6-digit verification code on your phone. Enter the code and click "Verify" to complete the registration.

Sign in

Email *

xxxxxxxxxxxxxx@xxxxxxxxxxxx.com

Username is required

Password *

xxxxxxxxxxxxxxxxxxxxxxxx

Password is required

☐ Remember this device ⓘ

[Forgot your password?](#)

Sign in

Don't have an account? [Sign up](#)

[Privacy Policy](#) [Imprint](#) [Third-Party Notices](#)

6 Use the "Sign In" option and enter your registered ID and password.

7 Enter your credentials and click "Sign In".

Click to sign in

PV-Plant setup

REFUview

sample view <main window>

<Account details> ☀️ EN 👤

INSTALLATION +
Click to get started

DASHBOARD

Overview

Statistics

System

Events

Settings

Functional tabs

- Overview
- Statistics
- System
- Events
- Settings

Overview

0.00 kWh
Today
0.00 kWh 0.00 kWh
Month Total

CO2 Saved

0.00 kg
Today
0.00 kg 0.00 kg
Month Total

Income

0.00 €
Today
0.00 € 0.00 €
Month Total

Live Monitoring

Production

Day

kw

No Data

00:00 04:00 08:00 12:00 16:00 20:00

Inverters

Serial Number	State	Daily Energy	AC Power	Last Update (Europe/Berlin)
No Inverters Found!				

8 Click on **INSTALLATION +** located at the top left corner of the left pane to begin the setup process.

The functional tab highlighted in red on the left pane corresponds to the section displayed on the right pane.

Add New Installation
Setup your new installation. Set your preferred name and location.

Installation Name *

Name

This is the name that will be displayed on your profile and in app. 0 / 40

Location *

Choose Location

Add new location +

Feed-in Tariff

Feed-in tariff

Default value based on location

Currency

Choose Currency

Default value based on location

Discard Add

9 On the new Installation window that appears, fill in the required basic information as shown.

PV-Plant Setup

Add New Installation
Setup your new installation. Set your preferred name and location.

Installation Name *
Name
Name is required 0 / 40

Location *
Choose Location
Location is required

Add new location +

Feed-in Tariff
Feed-in tariff
Default value based on location

Currency
Choose Currency
Default value based on location

Add Location
This location will be added to the location list

Name *
xxxxxxxxxxxxxxxxxxxx
This is the name you give to the location of the device. 0 / 30

Address *
xxxxxxxxxxxxxxxxxxxx

Add location

Discard **Add**

10

Click on **Add New** +
Location.

In the pop-up window, enter the **location name** and the **correct address**, then click on **Add Location** to confirm.

Add New Installation
Setup your new installation. Set your preferred name and location.

Installation Name *
xxxxxxxxxxxxxxxxxxxx
This is the name that will be displayed on your profile and in app. 0 / 40

Location *
xxxxxxxxxxxxxxxxxxxx

Add new location +

Feed-in Tariff
xxxxxxxxxxxx
Default value based on location

Currency
xxxxxxxxxxxxxxxxxxxx
Default value based on location

11

Click **“Add”** to finish registering your plant in the system.

Discard **Add**

REFUlink setup

The screenshot shows the REFUview web interface. On the left is a sidebar with the 'System' tab selected. The main area displays 'System Overview' with two empty tables: 'Inverters' and 'Gateways'. A red '+' icon in the 'Gateways' table header is highlighted with a red arrow and the text 'Click to add device'. A modal window titled 'Add New Gateway' is open, showing input fields for 'Gateway Name' and 'Serial Number'. A red arrow points to the 'Add' button at the bottom right of the modal with the text 'Click to complete the thread'. Two numbered callouts are present: '12' points to the '+' icon in the 'Gateways' table with the text 'Click on + symbol in Gateways option in the system tab.', and '13' points to the 'Add' button with the text 'Enter the "REFUlink" serial number and assign a name to your device. Click "Add" to complete the gateway registration.'

12 Click on + symbol in Gateways option in the system tab.

13 Enter the "REFUlink" serial number and assign a name to your device. Click "Add" to complete the gateway registration.

Click to add device

Click to complete the thread

Inverter setup

REFUview

INSTALLATION +

DASHBOARD

Overview

Statistics

System

Events

Settings

Privacy Policy

Imprint

Third-Party Notices

v1.4.3

System Overview

Inverters

Name	Serial Number	Status	AC Power
No Inverters Found!			

+ Click to add Inverters

Gateways

Name	Serial Number	Status
No Device Selected		

Add New Inverter

Setup your new inverter. Set your preferred name, gateway and device address.

Inverter Type *
REFUsol Generation X

Inverter Name
XXXXXXXXXXXXXXXXXXXX
The temporary name will be replaced by the serial number after inverter onboarding. 0 / 30

Installed Power
XXXXXXXXXXXXXXXXXXXX
If not provided, the nominal power of the inverter will be used.

Gateway *
XXXXXXXXXXXXXXXXXXXX

Gateway Port *
XXXXXX

Device Address *
XXXXXXXXXXXX

Quick installation guide

1. Connect Gateway
Connect the inverter to the gateway using RS485 or Ethernet through a specified port. The gateway provides five ports: A, B, C, D and Ethernet each of which is detailed in the illustration.

Inverter Type *
Choose type

- REFUsol Generation 1 REFUsol Legacy product line
- REFUsol Generation 3 REFUsol New product line [G3]
- REFUsol Generation 4 REFUsol New product line [G4]

For Gateway port options:

- Modbus – Enter correct Modbus ID in device address
- Ethernet – Enter correct IP address

Of the Inverter

Discard Add

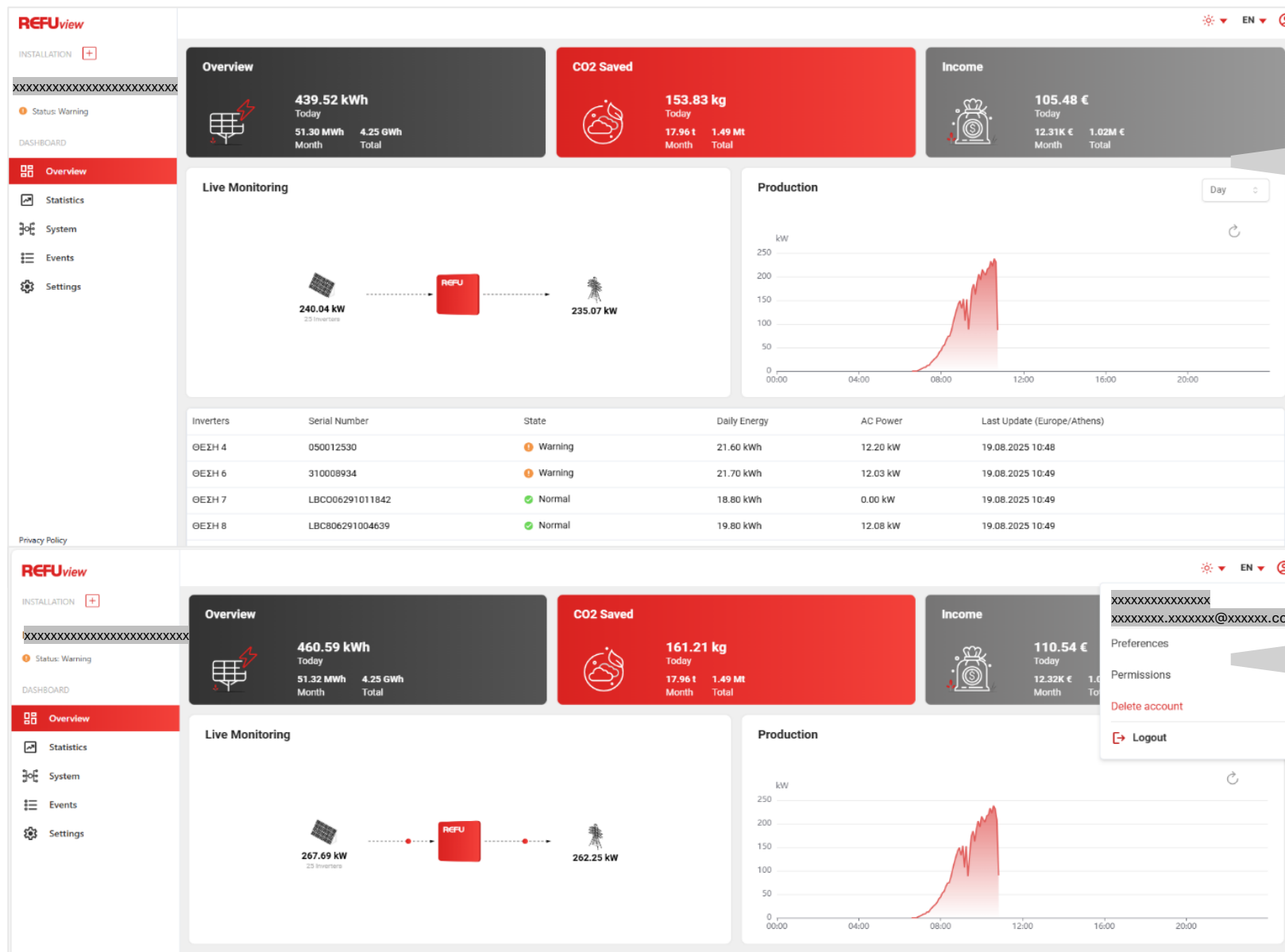
14 Click on + symbol in Inverters option in the system tab.

15 Enter the inverter details as follows:

Inverter Type → Gen.1 / 3 / 4
Inverter Name → Serial Number
Installed Power → kWp
Gateway → Configured REFULink
Port → Modbus / Ethernet
Device Address → Mbus ID / IP
Click "Add" to complete the inverter registration.

If you have more than one Inverter or REFULink, repeat the above process for each device.

Monitoring Overview

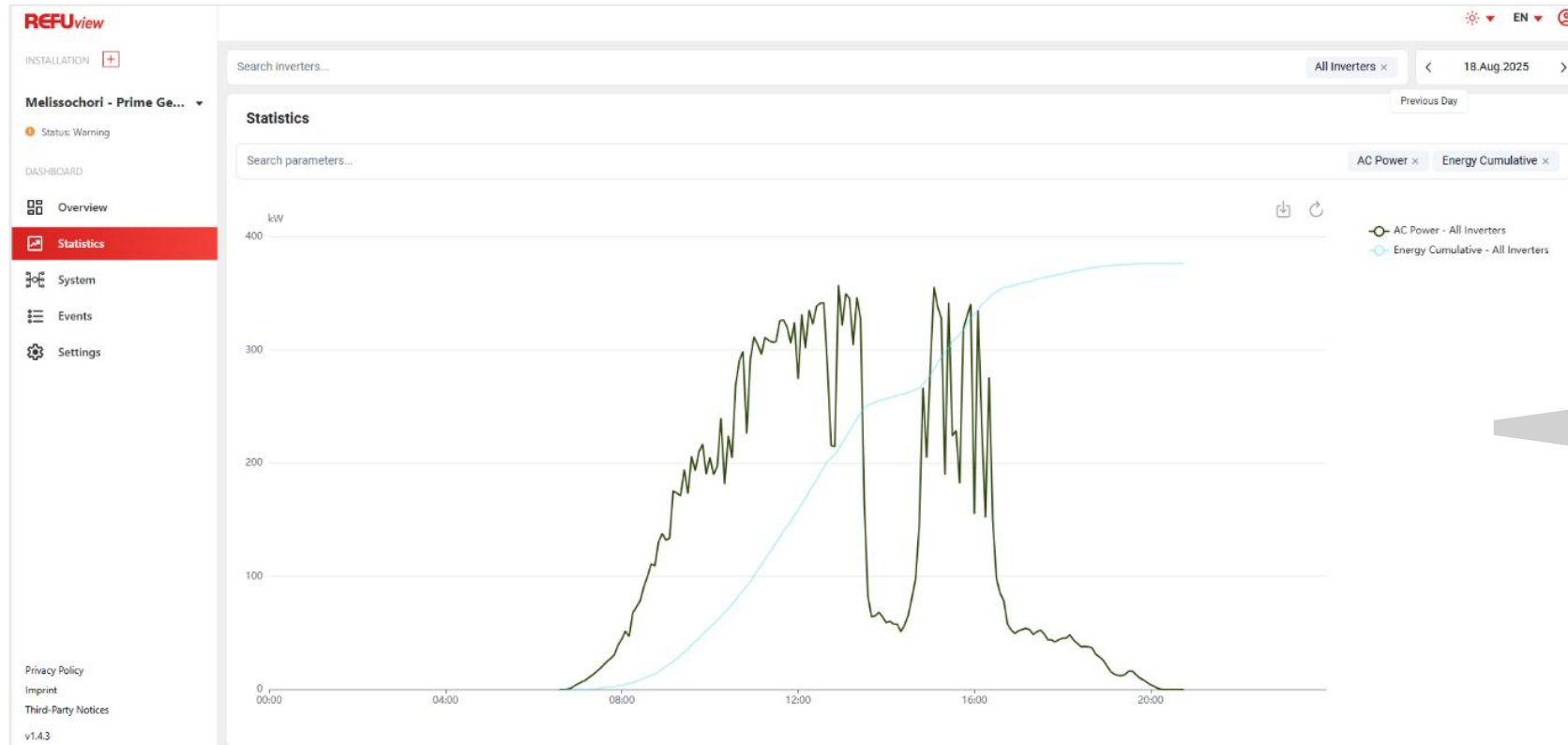


16 Open the Overview tab to access the live monitoring window.

Click to view profile

17 Click the Profile icon to view your login name, email address, and other profile details.

Monitoring Statistics



18

Use the Statistics tab to analyze plant and inverter performance.

- View **generation data** and **key electrical parameters**.
- Apply filters to focus on specific information.
- Access data in both **[LIVE]** and **[HISTORIC]** modes.

Monitoring Overview

REFUview

INSTALLATION +

XXXXXXXXXXXXXXXXXXXX

DASHBOARD

Overview

Statistics

System

Events

Settings

sample view <dummy window>

System Overview

Inverters

Name	Serial Number	Status	AC Power
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Warning	12.20 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Warning	12.03 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal	0.00 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal	12.08 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal	12.40 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Warning	11.86 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal	11.90 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal	12.05 kW

Gateways

Name	Serial Number	Status
XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal

XXXXXXXXXXXXXXXXXXXX

Status

Normal

Last update: 18.08.2025 19:31 (Europe/Athens)

Device Topology

Configuration Parameters

DEVICE NAME

XXXXXXXXXXXXXXXXXXXX

Technical Information

SERIAL NUMBER

XXXXXXXXXXXXXXXXXXXX

19 All registered inverters and REFUlink devices will appear in the System tab, with their status shown in the right pane.

System Overview

Inverters

Name	Serial Number	Status	AC Power
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Warning	12.03 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Warning	12.09 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal	12.20 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal	11.07 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal	12.11 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Warning	11.77 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal	11.90 kW
XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Warning	12.05 kW

Gateways

Name	Serial Number	Status
XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Normal

XXXXXXXXXXXX

Configuration Parameters

Diagnostic Information

TOTAL GENERATION TIME

50263 Hrs

TEMPERATURES

Heat Sink 1: 47.6 °C

Heat Sink 2: 40.8 °C

Module 1: 44 °C

Module 2: 42.4 °C

Technical Information

MANUFACTURER

REFU

MODEL

802S020

SERIAL NUMBER

LECB06291004639

WAVE VERSION

50.2D.F400.CA.B7

PRODUCTION DATE

2013-03-19

FIRMWARE VERSION

RFP-802S020-34-34-S

HARDWARE VERSION

2

RATED POWER

20 kW

20 The status and basic details of all inverters are displayed. Select any inverter to view its associated warnings or errors.

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12

Monitoring Events

REFUview

INSTALLATION +

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

✓ Status: Normal

DASHBOARD

- Overview
- Statistics
- System
- Events**
- Settings

sample view <dummy window>

Search sources... All Events ASC 13.Aug - 19.Aug.25

Events
A comprehensive overview of all events and errors in your system's history

Time (Europe/Athens)	Source Type	Source	Status	State	Details
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	1 Warning
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	1 Warning
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	2 Warnings
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	1 Warning
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	2 Warnings
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	1 Warning
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	initialization	4 Warnings
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	4 Warnings
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	1 Warning
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	1 Warning
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	1 Warning
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	initialization	1 Warning
13.08.2025 06:42	Inverter	XXXXXXXXXX	Warning	checking	3 Warnings
13.08.2025 06:43	Inverter	XXXXXXXXXX	Warning	activation	1 Warning

Warnings
4 Warnings

Name	Code
Grid undervoltage LT	0a010a
Underfrequency	0a0016
Grid undervolt. I2I	0a0010
Grid undervoltage	0a000e

Close

21 Access the Events tab to view detailed information on warnings and errors, including their date, time of occurrence, and error/warning codes.

Monitoring Settings

 Settings

Monitoring settings

Actual power ☐

User can select two inverters in the installation whose actual AC power is compared against each other in the indicated period of time

Daily energy deviation ☐

Compare the inverter with the highest normalized daily energy to all other inverters in the installation

Statistical energy production ☐

Compare the forecasted energy to the actual energy produced in the installation on a monthly basis

Discard

Save

[Privacy Policy](#)
[Imprint](#)
[Third-Party Notices](#)

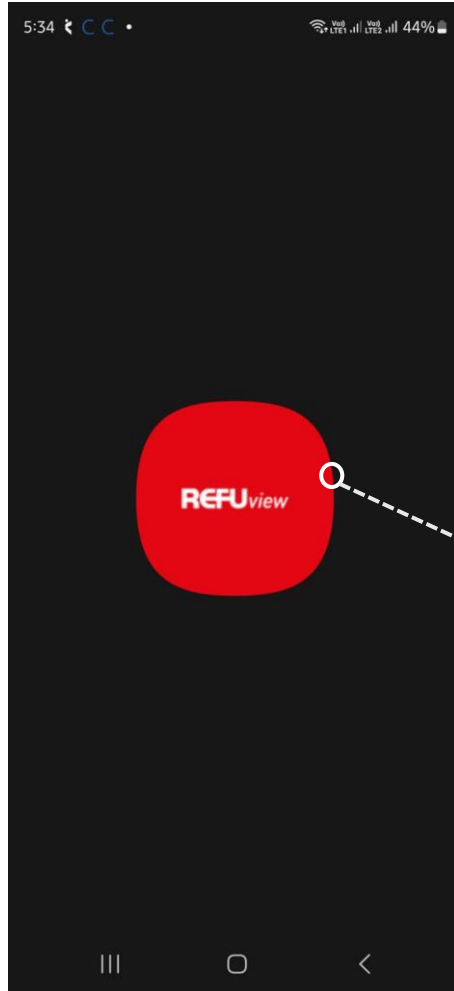
22 Customize your monitoring experience through the **Settings** tab. Adjust system preferences and configurations as needed.

Mobile Application

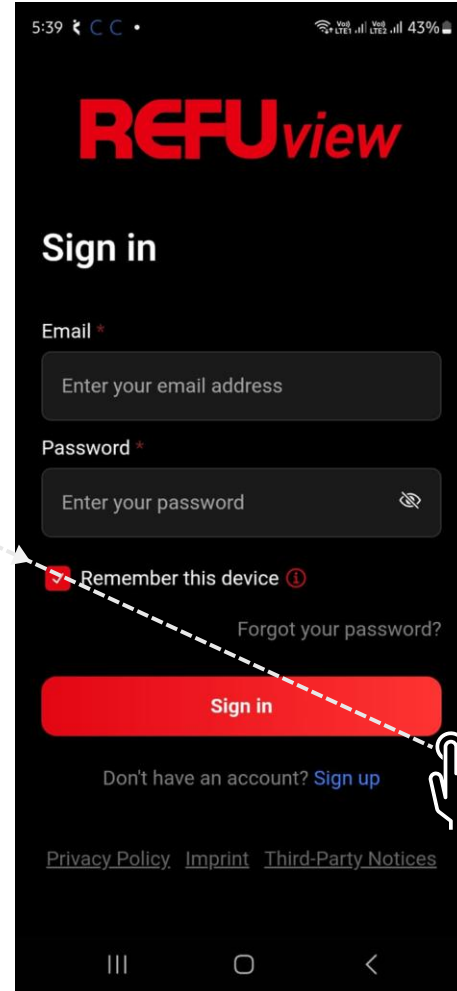
The logo for REFUview, featuring a stylized double arrow pointing right, with the word 'REFU' in red and 'view' in red italics below it.

REFU*view*

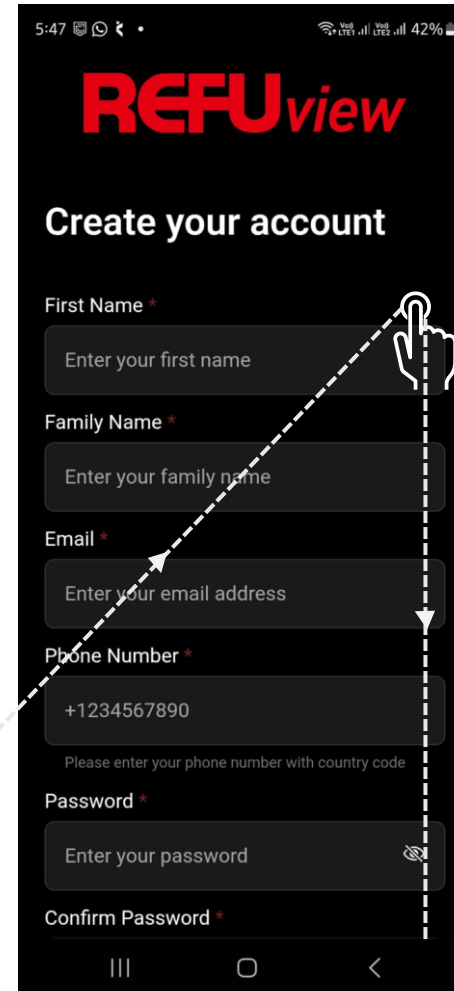
Start-Up screen



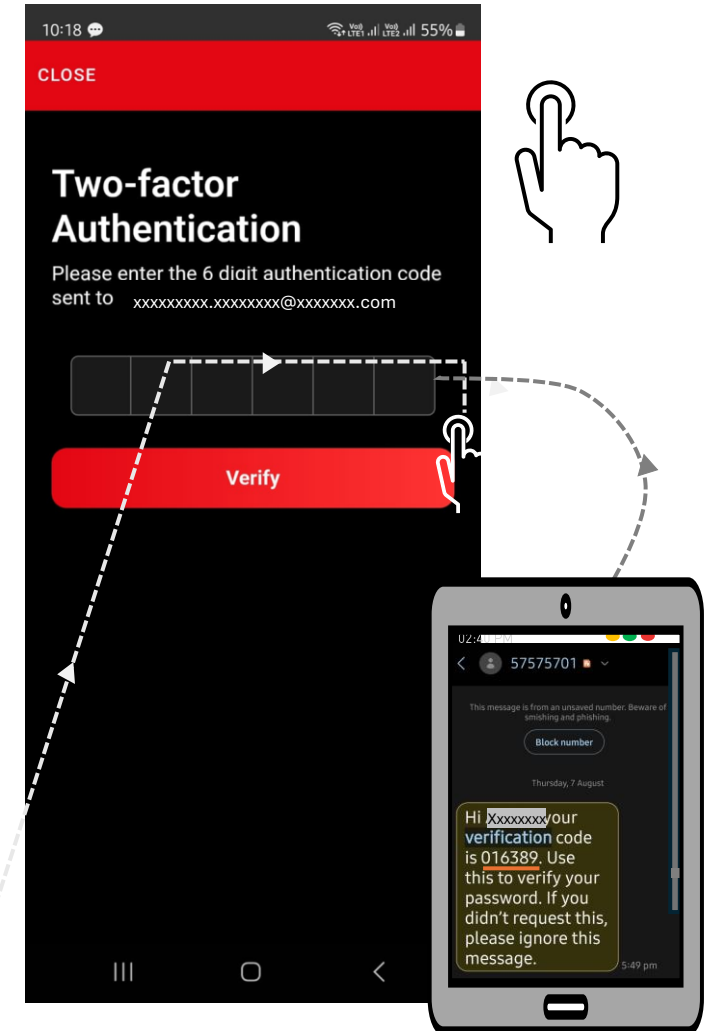
Click on sign-up



Enter details

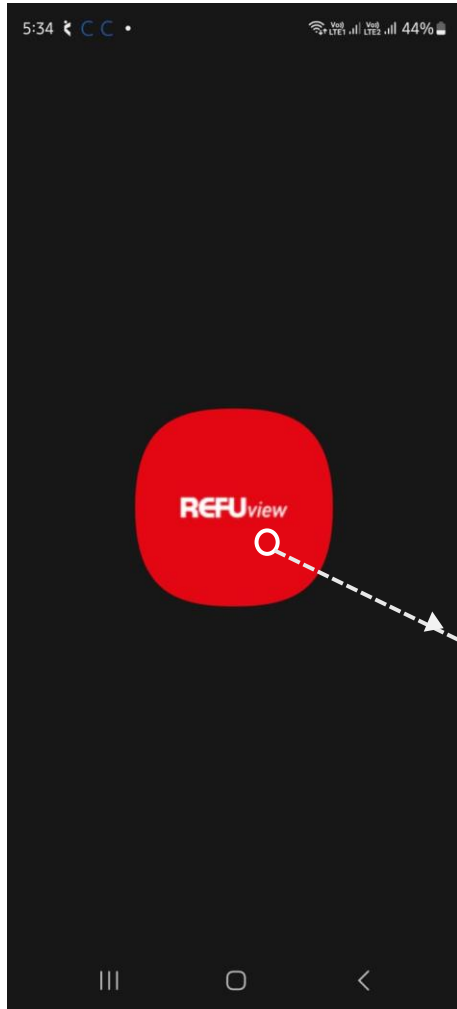


Verify

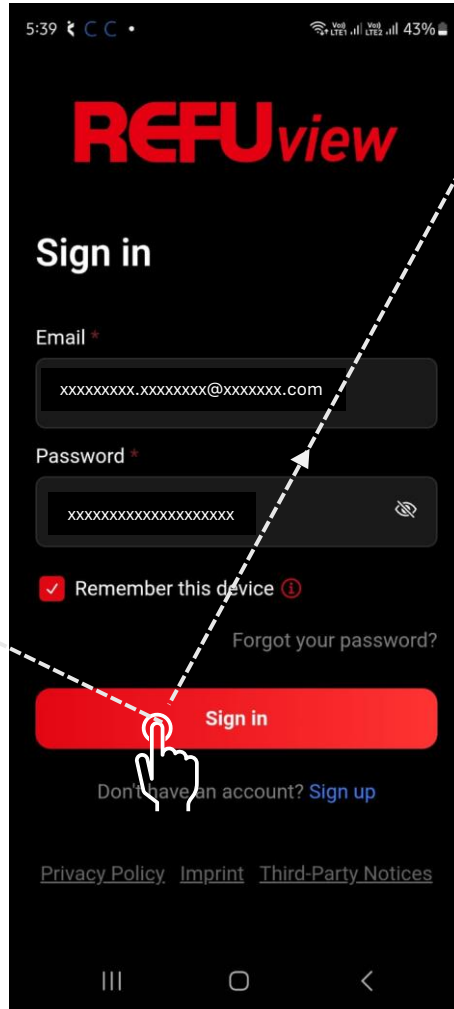


Sign In & Add PV-system

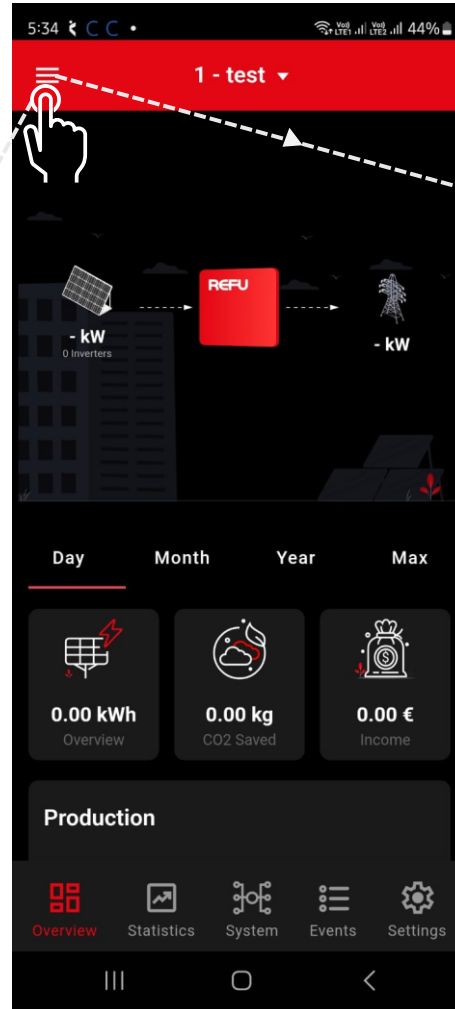
Start-Up screen



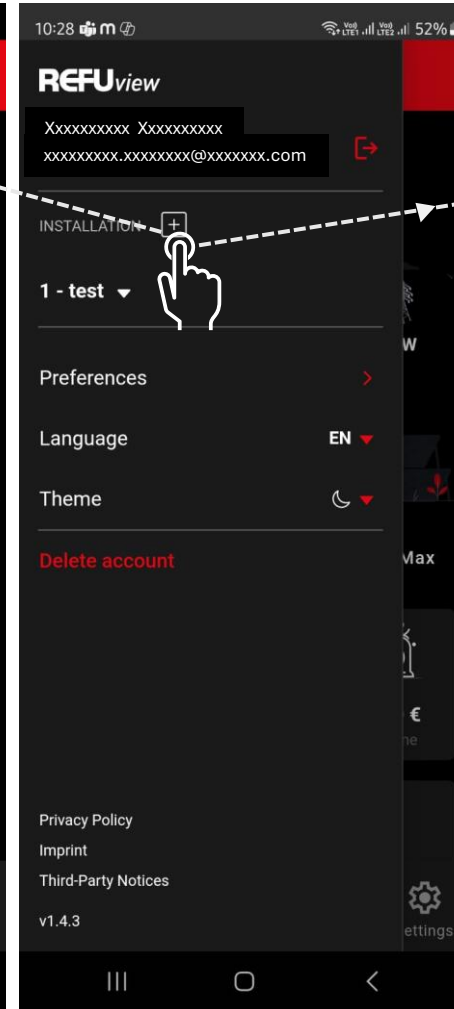
Click on sign-in



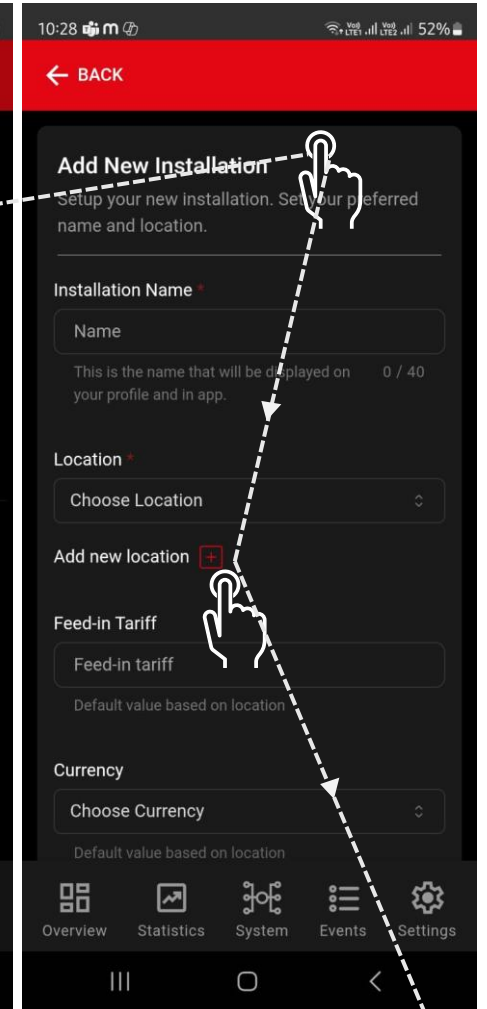
Click on menu



Click on [+]

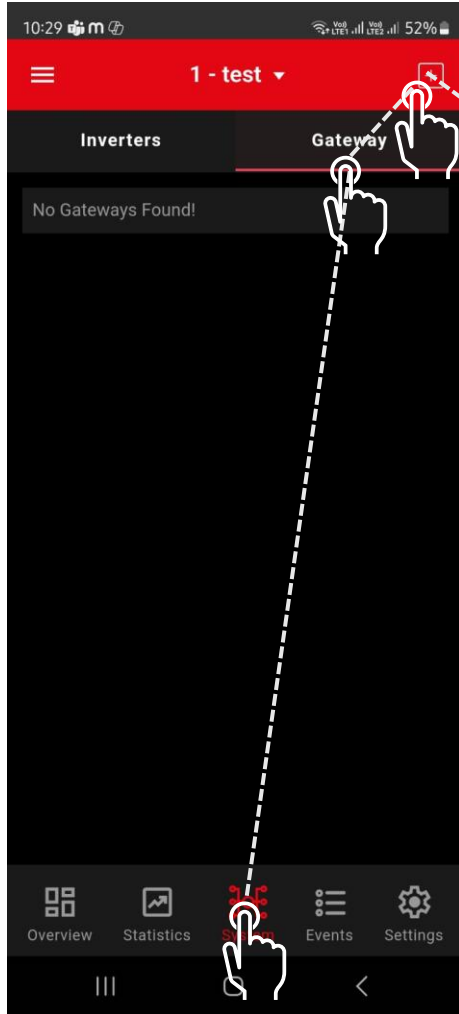


Add location

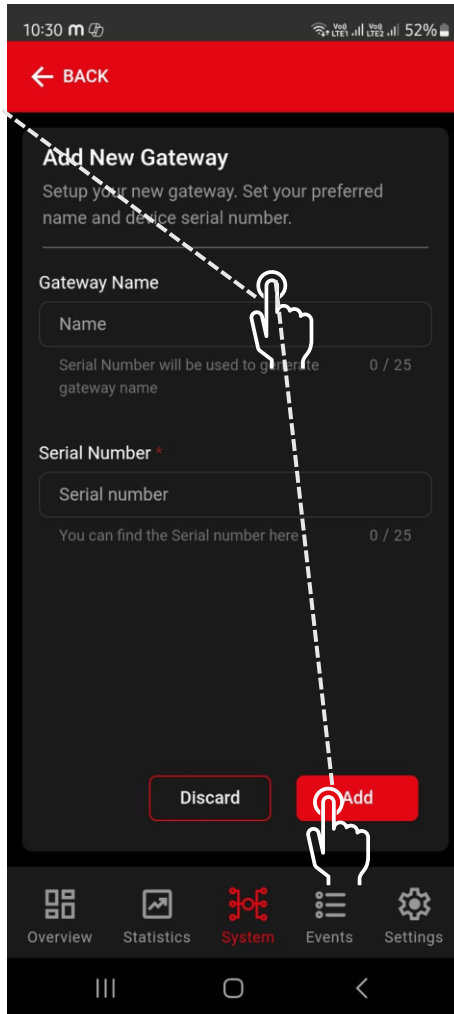


Add Gateway & Inverter

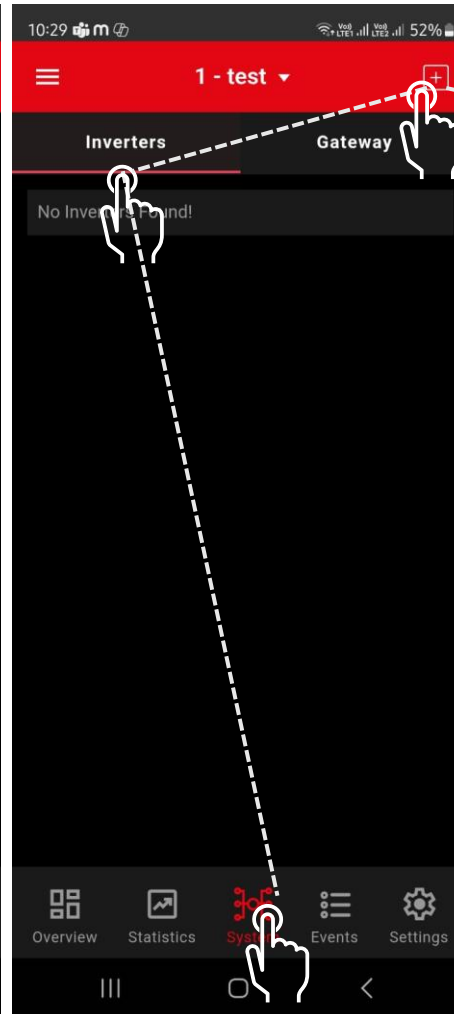
Add Gateway



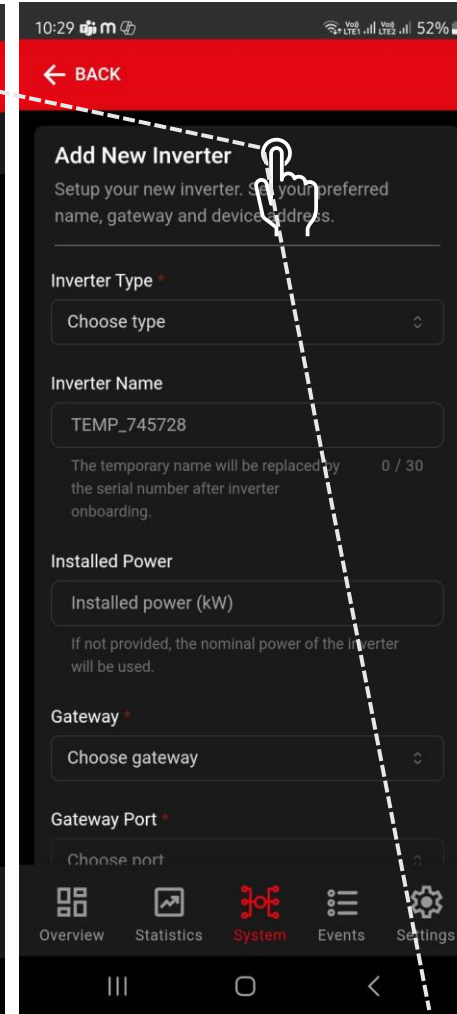
Confirm Gateway



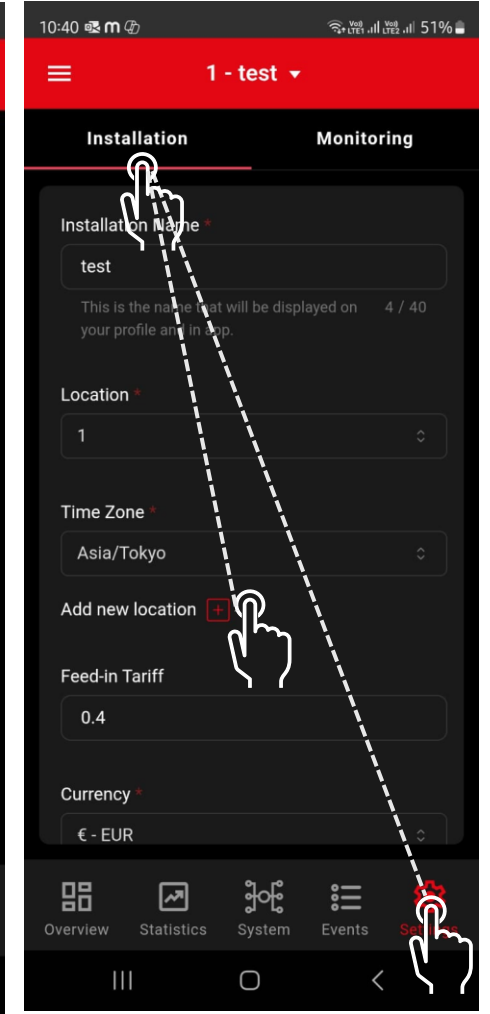
Add Inverter



Confirm Inverter

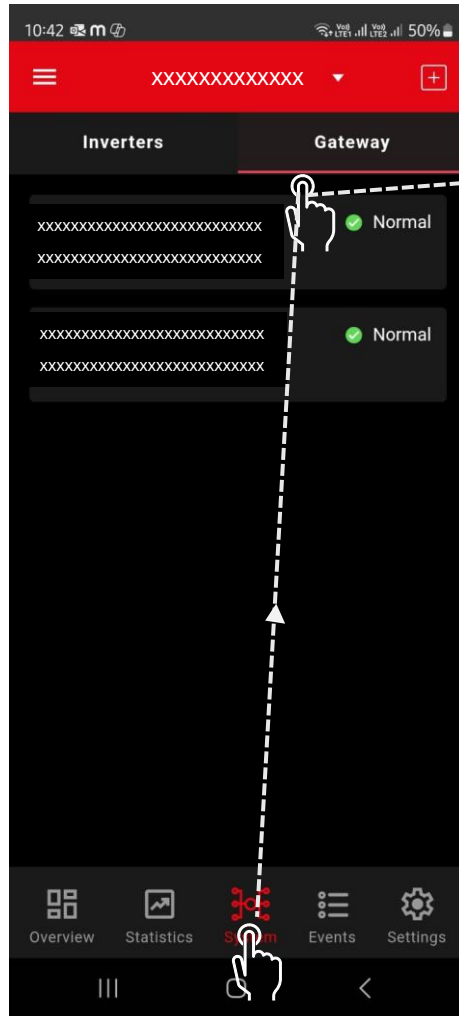


Review Settings

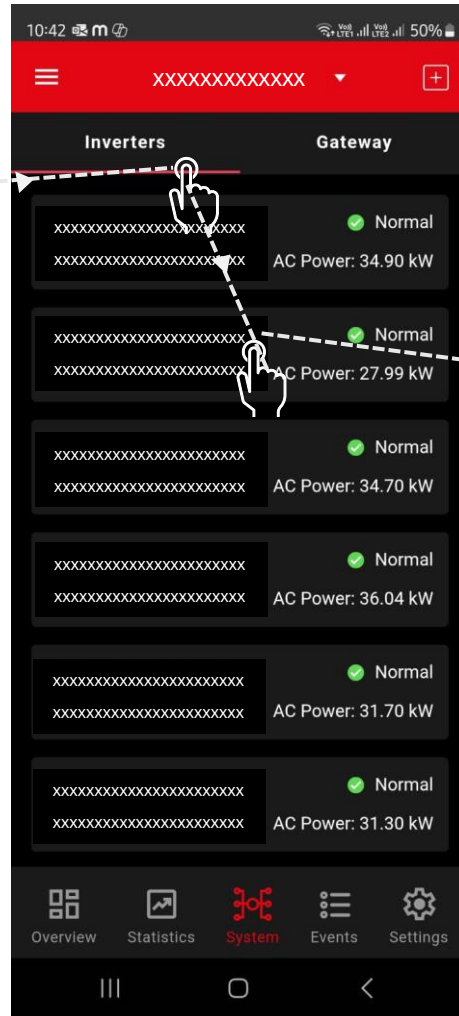


Review Additions

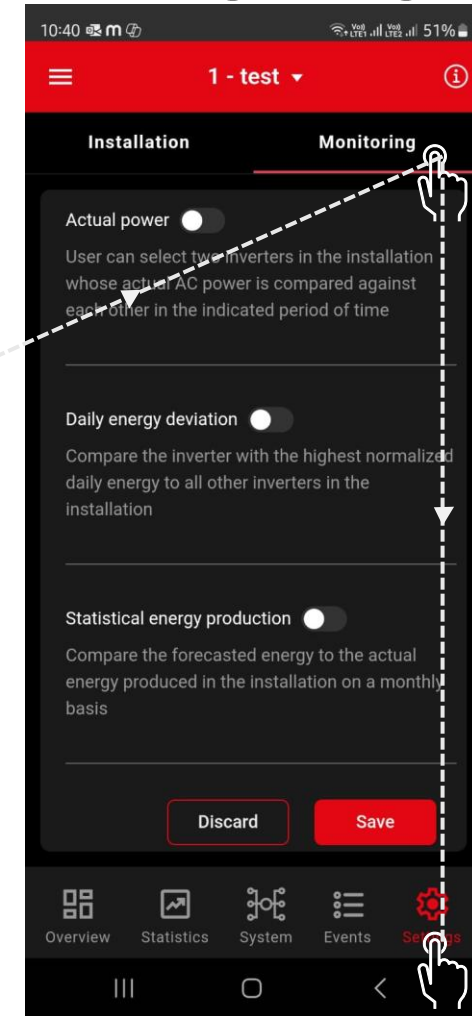
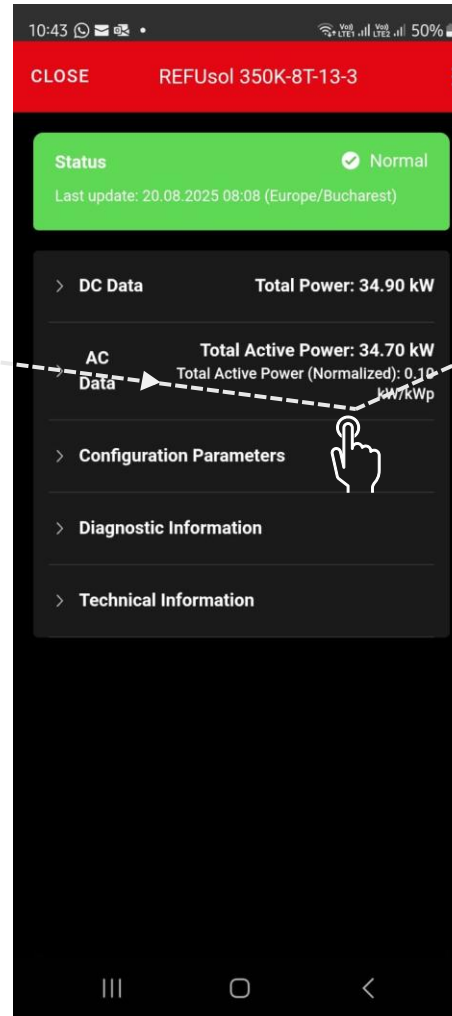
Review Gateways



Review Inverters

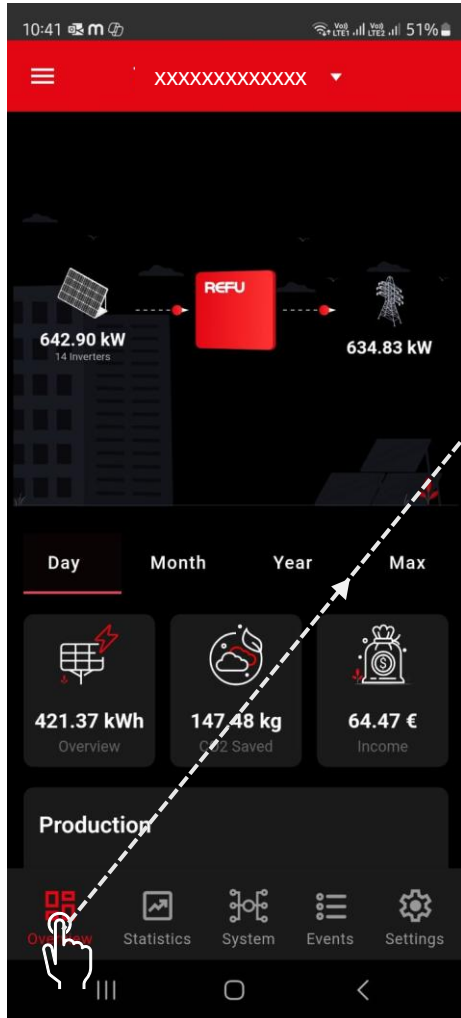


More Inverter Info. Monitoring Setting Info.



Monitor Overview

Overview tab (Day)



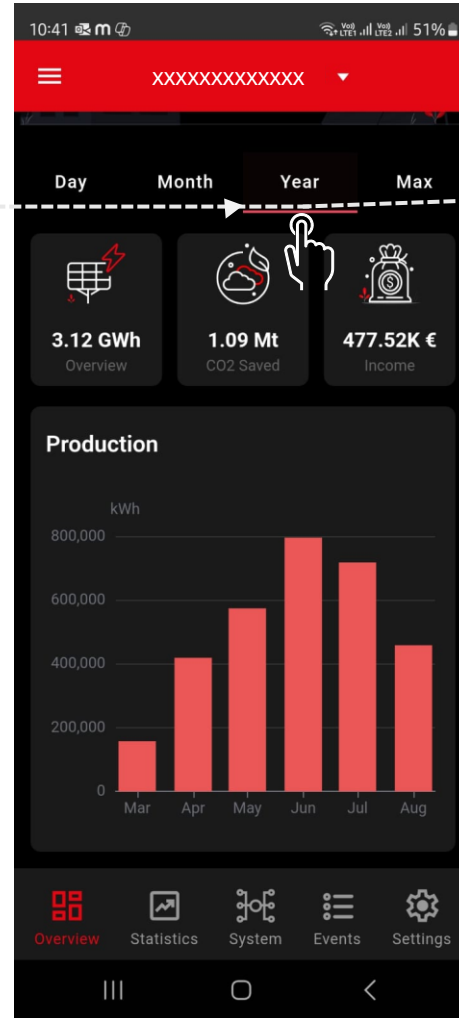
Production (Month)



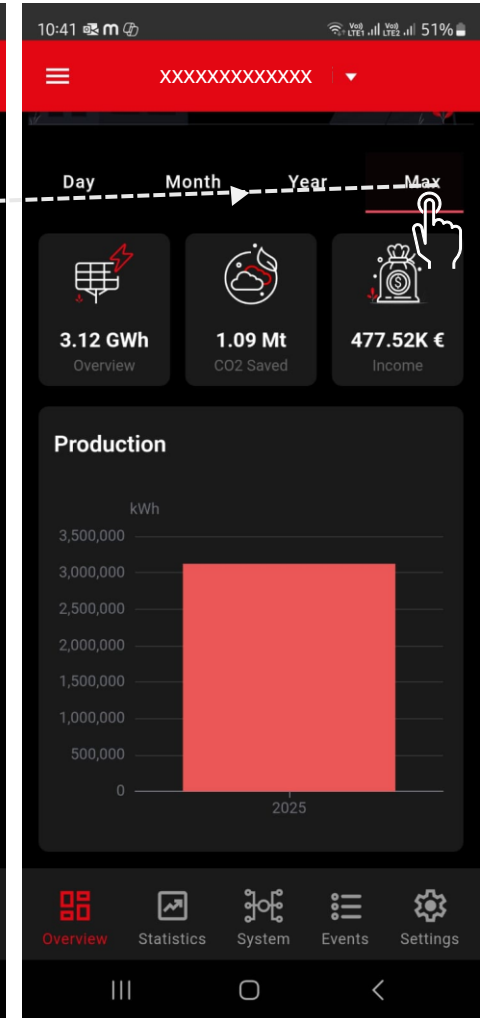
Production (Day)



Production (Year)

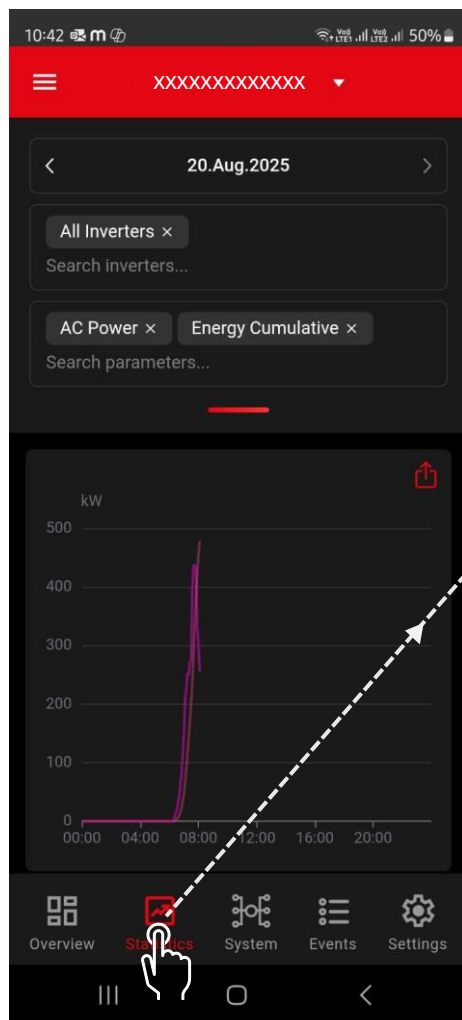


Production (Max)

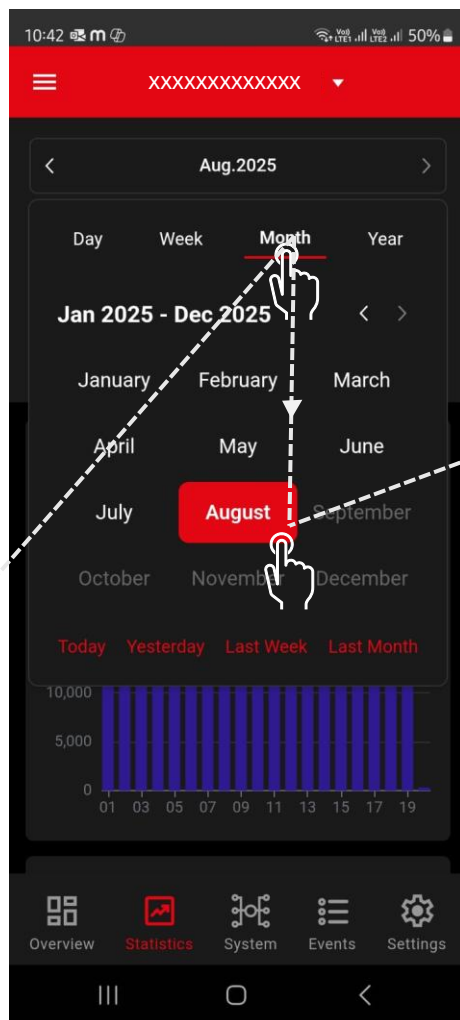


Monitor Statistics & Events

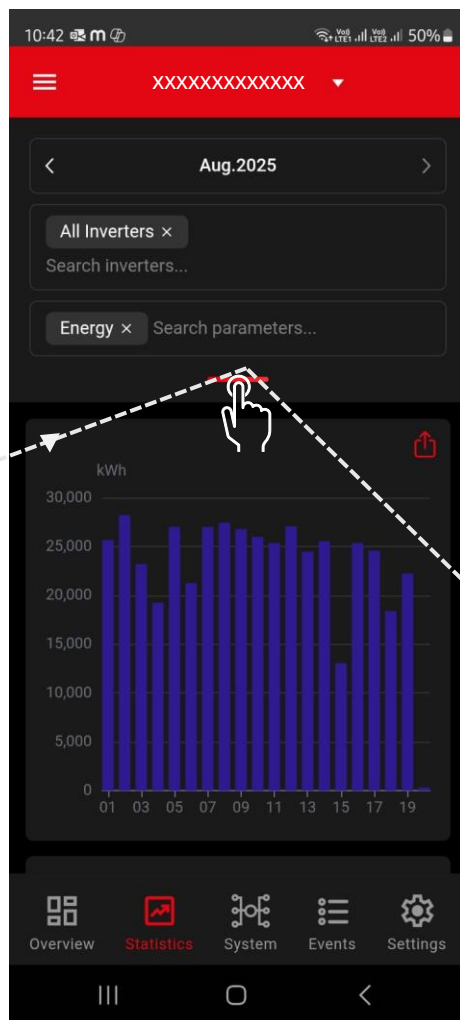
Statistics (Day)



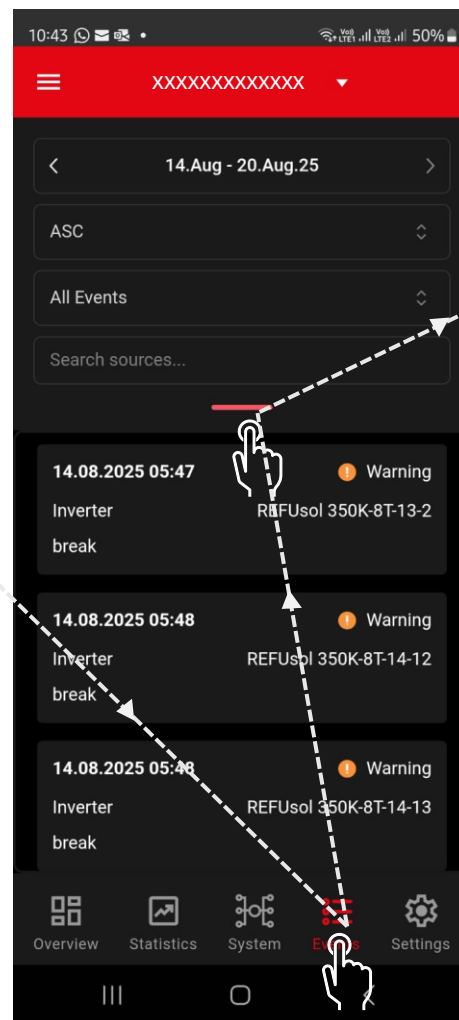
Historical Statistics



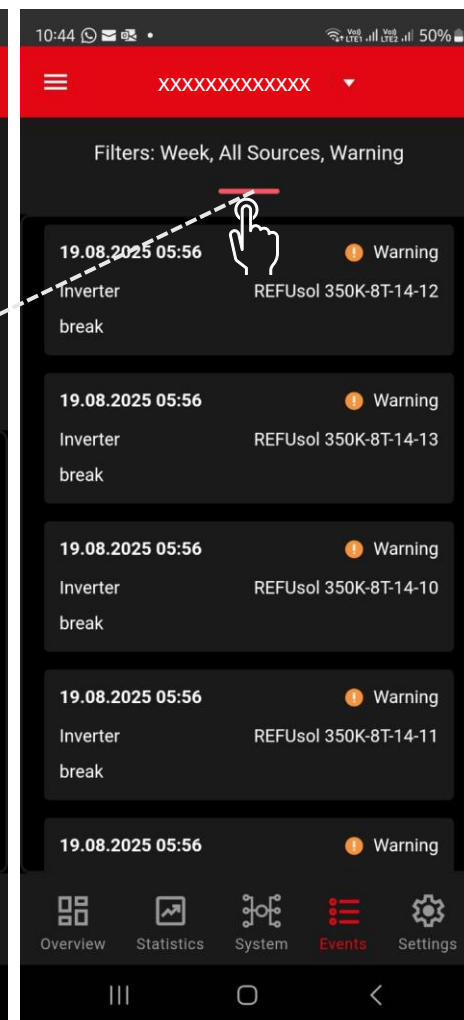
Historical Statistics



Events Log



Events Log



Contact

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