



EP CUBE APP Introduction

For End User

EP CUBE

CONTENTS

1

Setting Up App

How to download, register, login, and retrieve an account?

2

Home Page

How to set up different operation modes, reserve SOC & Weather watch?

3

Data Page

Collected data and performance analysis of EP CUBE

4

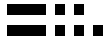
Service Page

How to initiate and submit a service request?

5

More Page

How to update User Info, set up a network, and update the firmware of EP CUBE?



01

Setting Up App



Download

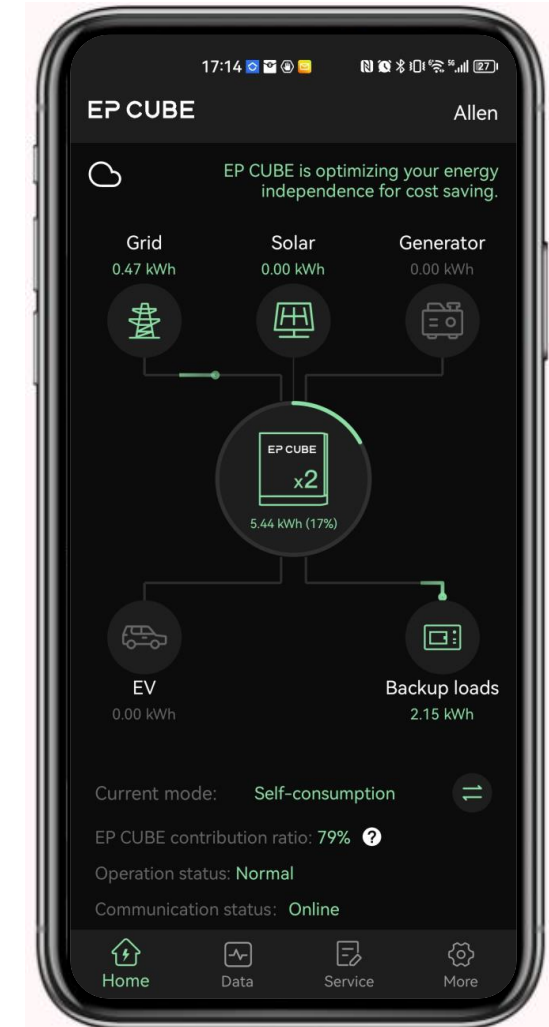
EP CUBE

In order to successfully register and configure your EP CUBE, you must download and install “EP CUBE” APP on your phone.

Please ensure that you always have the updated version of the App.

Download

You can search “**EP CUBE**” and download the app from **Google Play Store** and **Apple Store**.



Launch & Register

STEP-1 Click “create account”.

STEP-2 You will be required to provide the following information during sign up process:

1- **Name:** Please input your name

2- **Email address:** Please enter a valid email address as it will be used to verify your account, and you will receive an email with a verification code.

3- **Email verification:** Please enter the verification code sent to your email.

4- **Password:** must be at least 6 letters, and can include alphabets, numbers, and special characters

5- Read and agree with the “User Agreement and Privacy Policy”, and then click register.

By clicking on **Visitor Login**, experience how EP CUBE presents information for users.

EP CUBE

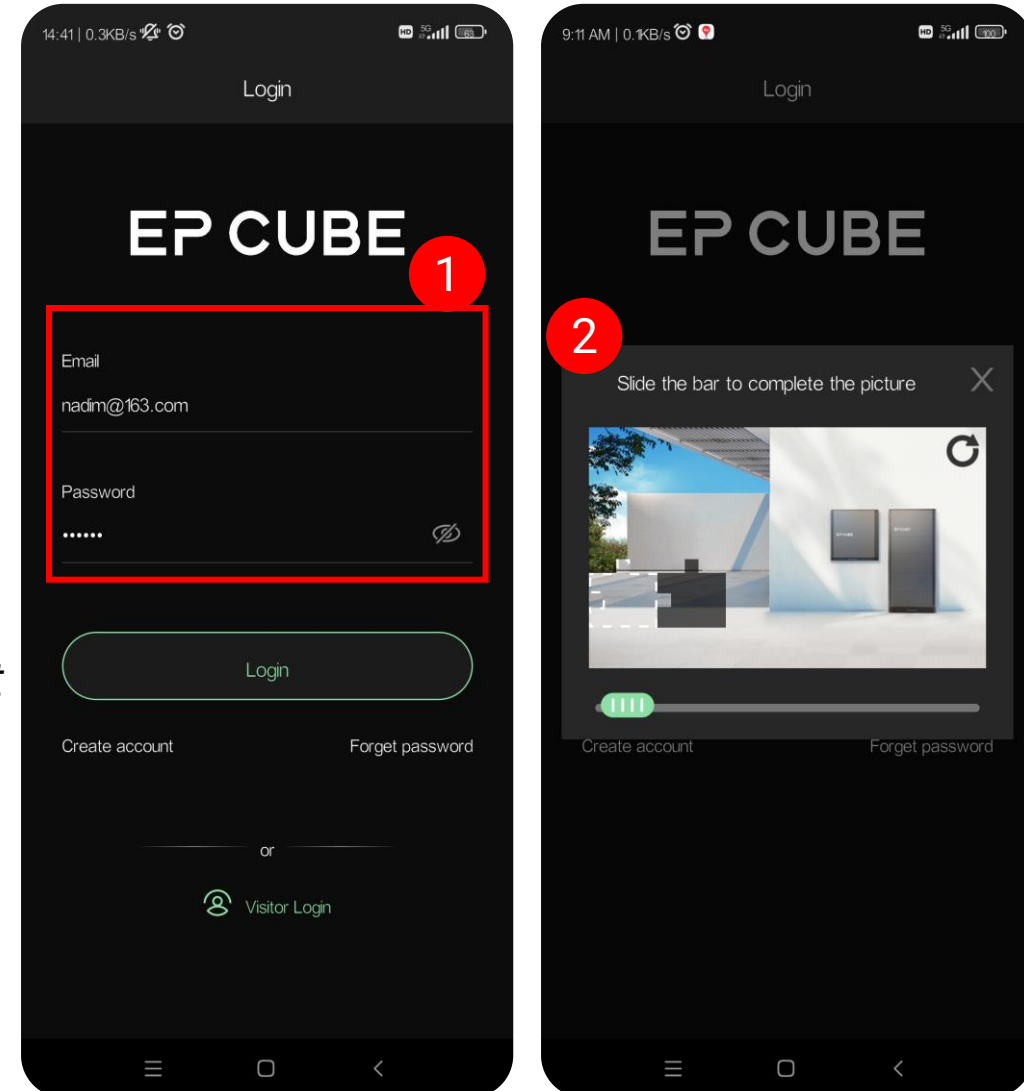
The image displays two mobile app screens side-by-side. The left screen is the 'Login' page, featuring the 'EP CUBE' logo, input fields for 'Email' and 'Password', a 'Login' button, a 'Create account' button (highlighted with a red box and a red circle with the number 1), a 'Forgot password' link, and a 'Visitor Login' button (also highlighted with a red box). The right screen is the 'Create account' page, which includes input fields for 'Name', 'Email', 'Email verification' (with a 'Send code' link), 'Password', and 'Password confirmation'. It also features a checkbox for 'I have read and agree' with links to 'User Agreement' and 'Privacy policy', and a 'Register' button. A red box and a red circle with the number 2 highlight the registration form fields on this screen.

Log In

If you have already registered account, simply log in with your registration email and password as shown in figure on the right.

** **Note:** It is important that the user register an account with the same email which is provided to the installer during the installation process to link.*

EP CUBE

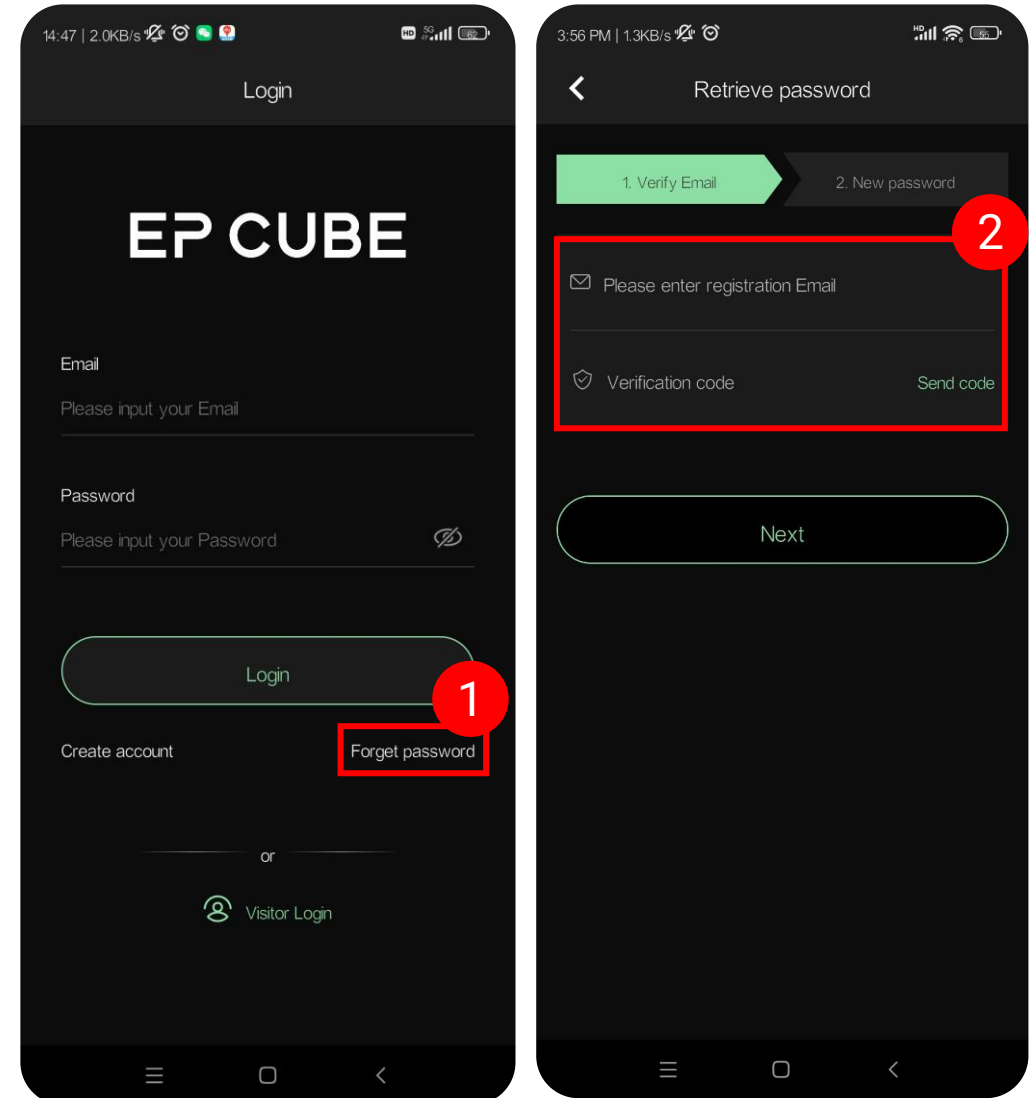


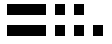
Forget/Retrieve Password

If you have forgotten your password, click on **forget password** on the lower right corner.

Verify Email: input email address used at the time of registration to receive email verification code. Input verification code, then click next and set **New Password** in next tab.

EP CUBE





02

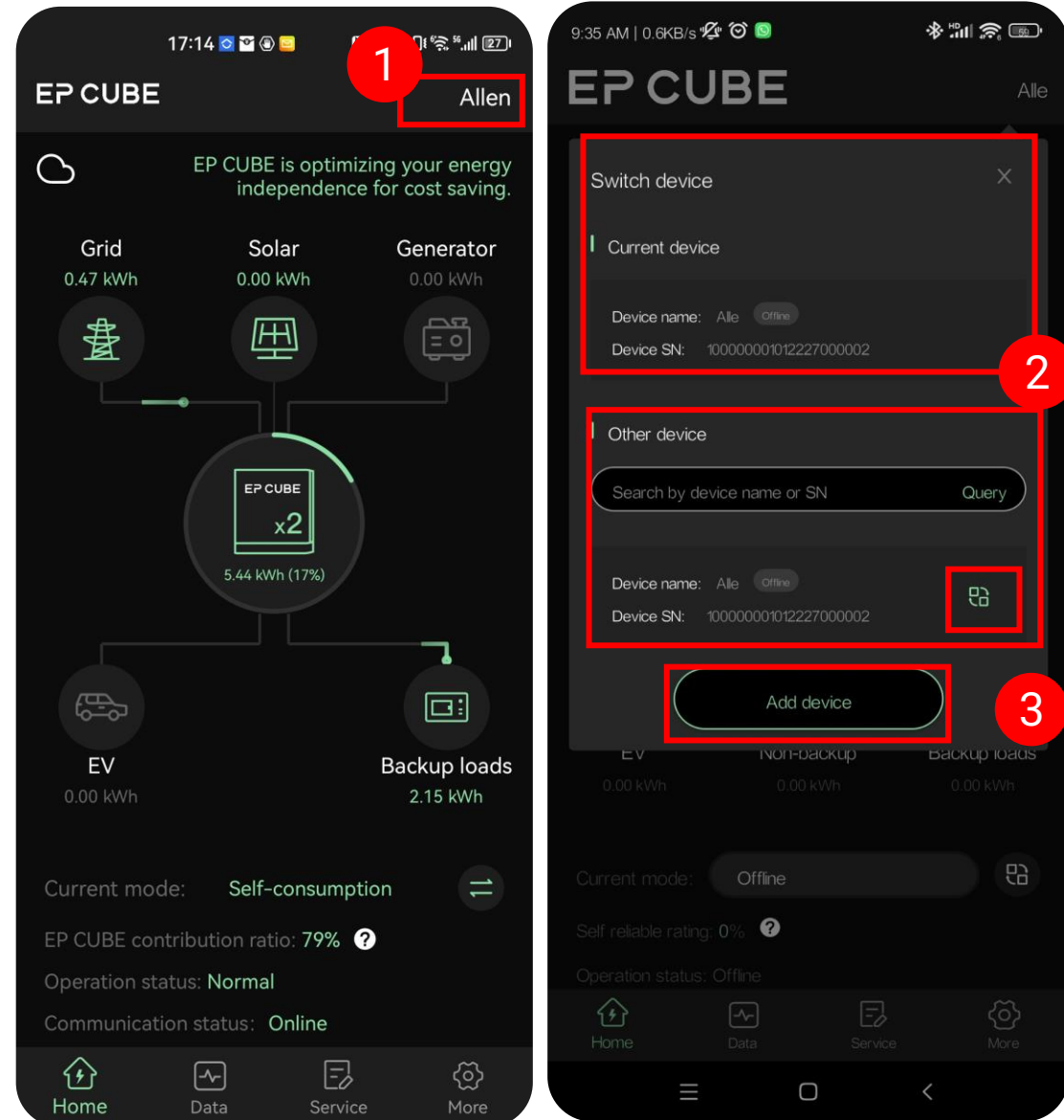
Home Page



Home

- Once you have logged in, you will be able to see previously selected device information. Click on the **upper right** corner button.
- You will be able to see already added devices. Here you can switch devices to connect with your desired device to monitor and configure. You can search your desired device either by name or by using the device's SN number. Then click on the icon next to it to select.
- or Click add device button to add a new device.

EP CUBE

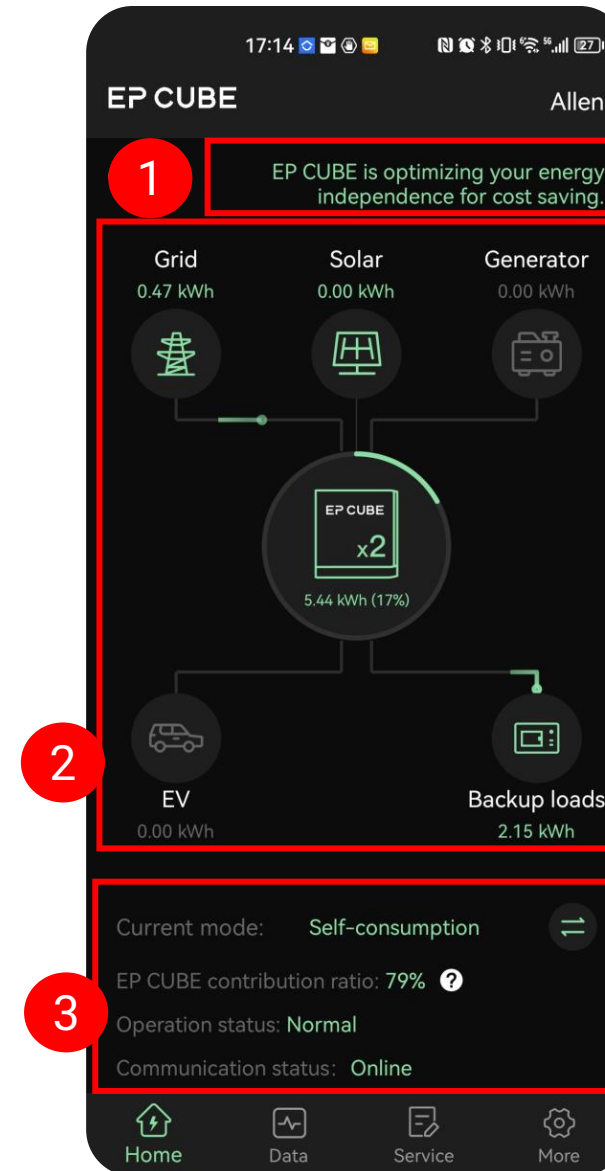


Home

Click the home button to return to the home page where you can see the following information for the selected device

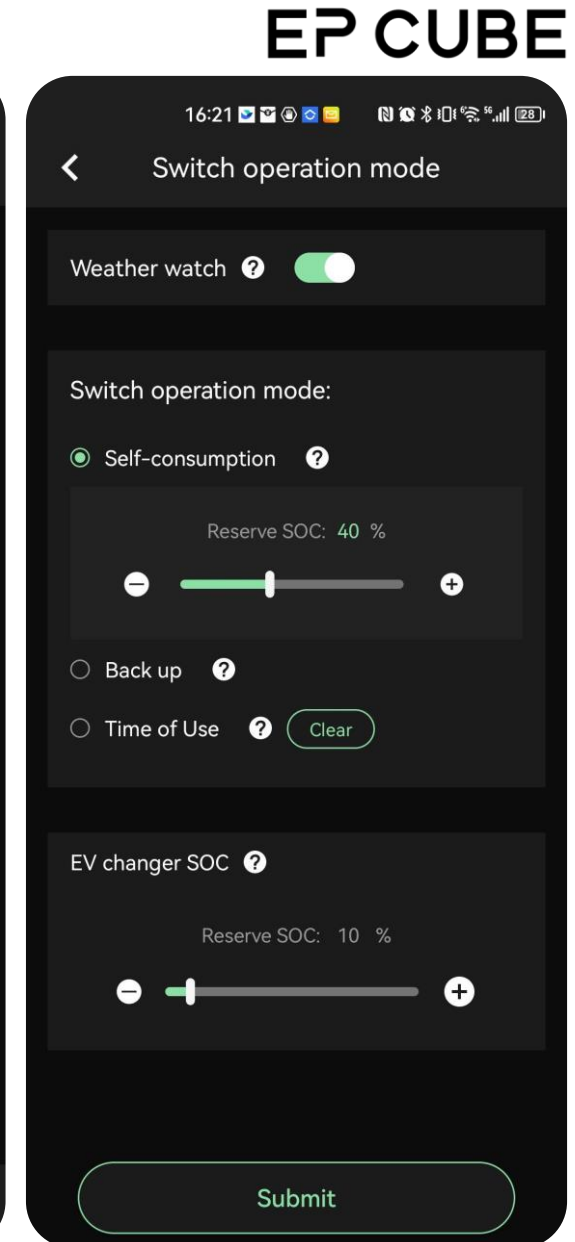
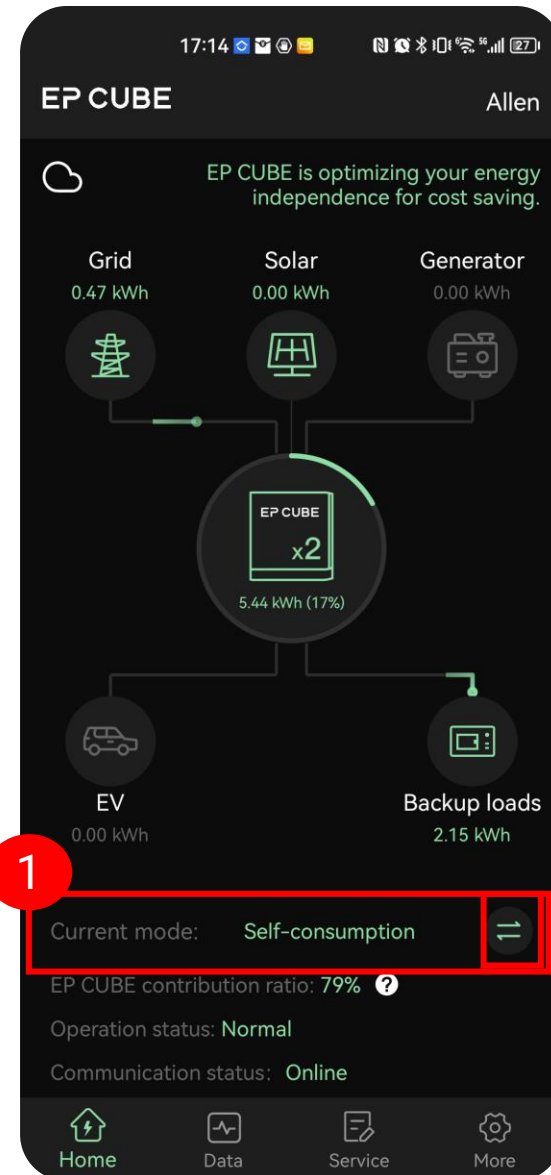
- ✓ Device status
- ✓ Energy flow,
- ✓ Energy generation/consumption data
- ✓ Current operation mode
- ✓ EP CUBE contribution ratio
- ✓ Operation status and
- ✓ Communication status

EP CUBE



Home-Operation Mode Selection

- In order to switch between different modes, click on the exchange icon next to where the current mode is displayed.
- Switch operation mode page displays all the operation modes and weather watch buttons.
- Select any of the operation modes to configure system operation according to its energy usage preferences



Home-Operation Mode Selection

EP CUBE

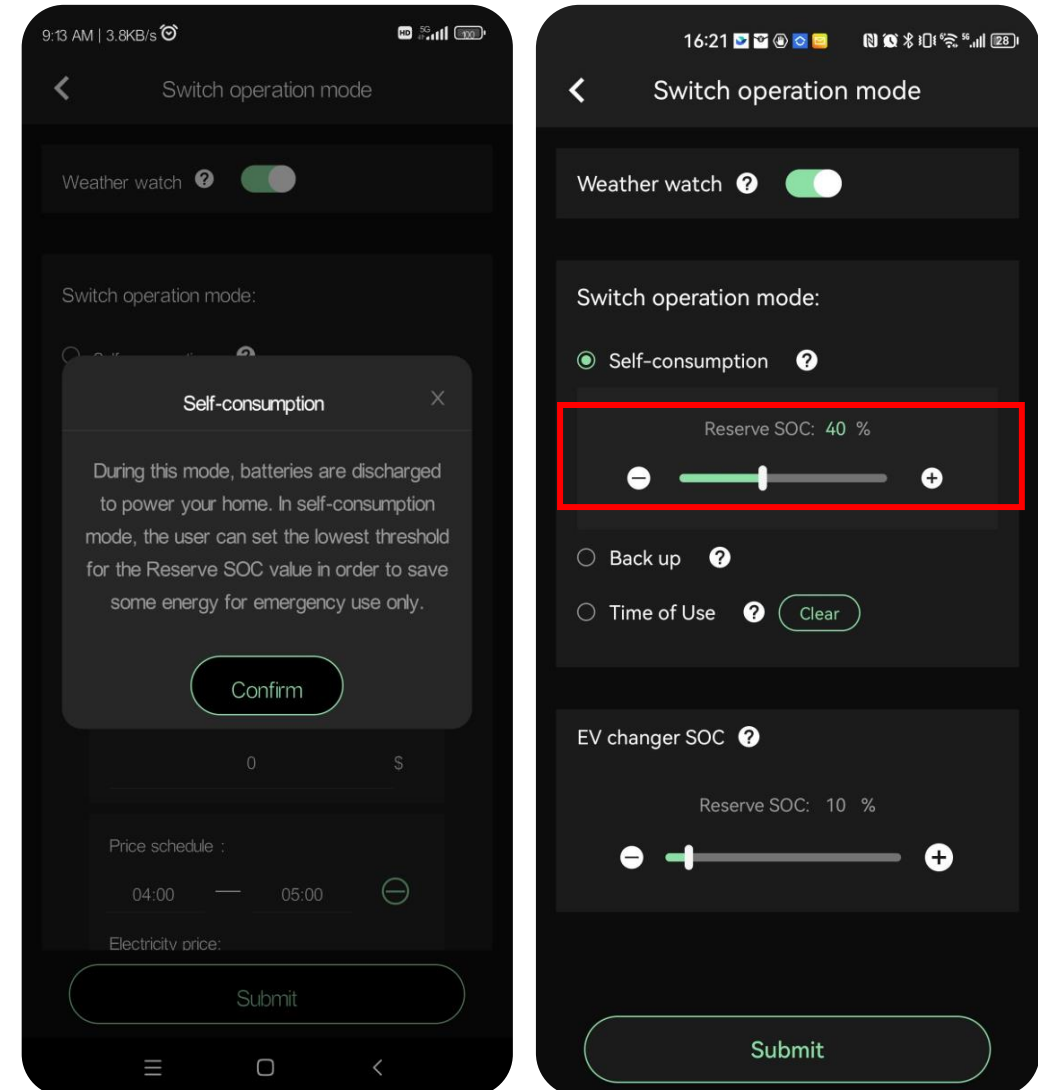
Self-Consumption Mode: During this mode power generated by PV is utilized to supply power to connected loads as a priority. Any surplus power is then used to charge the battery modules. Only once battery modules are fully charged, power is exported to grid.

In self-consumption mode, the user can set the lowest threshold for the Reserve SOC value in order to save some energy for emergency use only.

PV Power Usage Priority: Load > Battery > Grid.

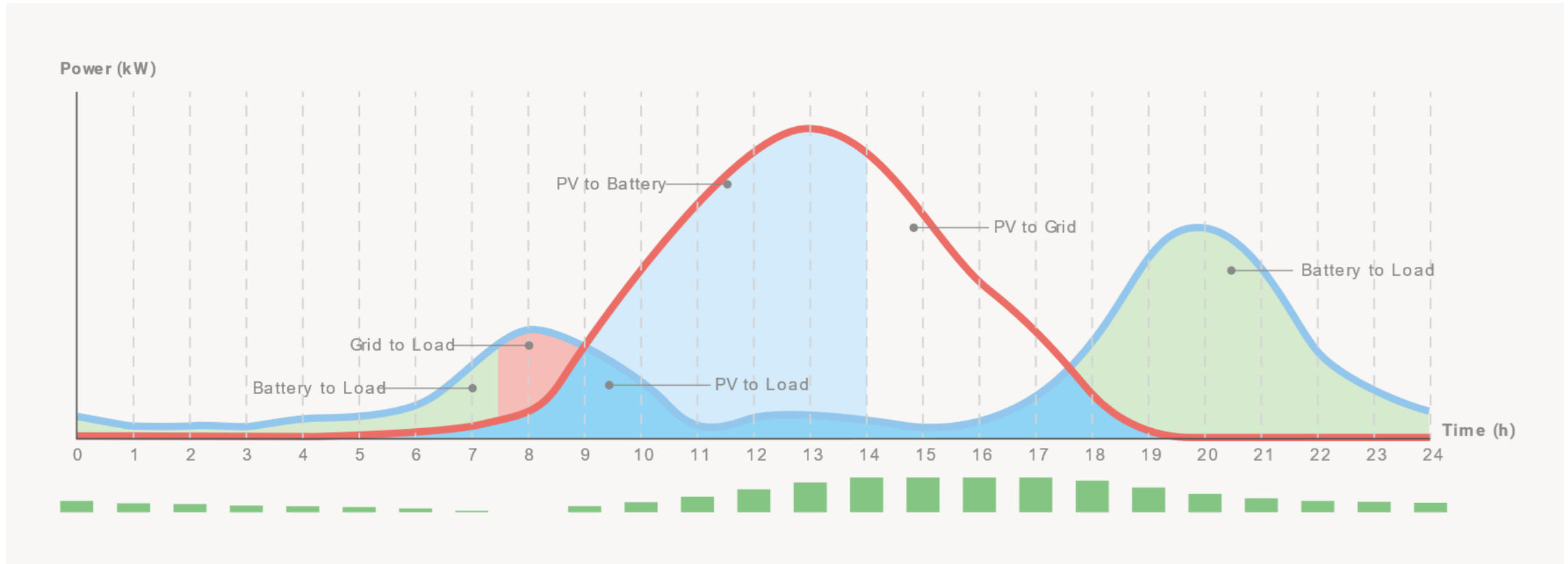
Load Energy Source Priority: Photovoltaic > Battery > Grid

Battery Charging Source: PV only



Home-Operation Mode Selection

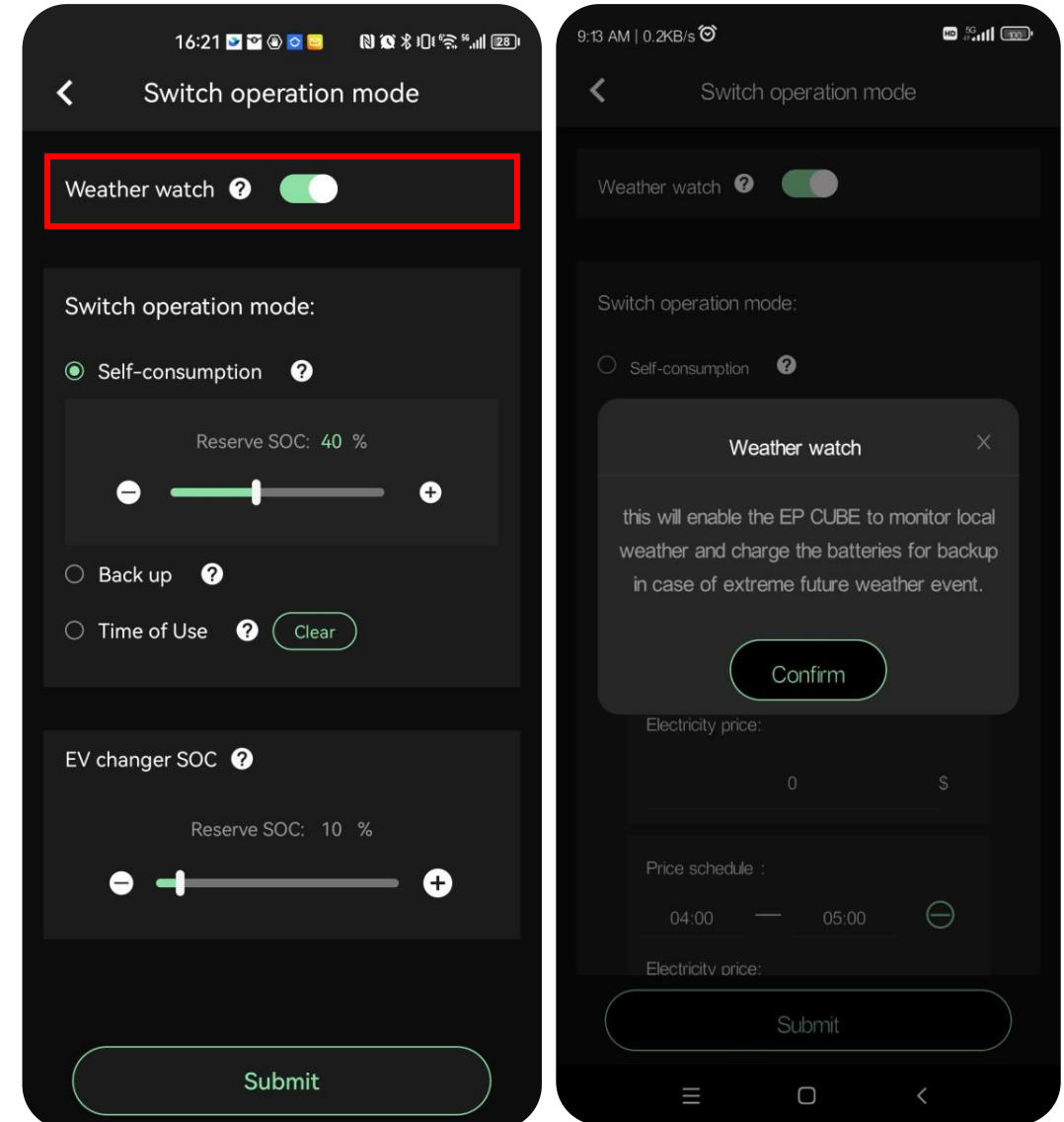
EP CUBE



Home-Operation Mode Selection

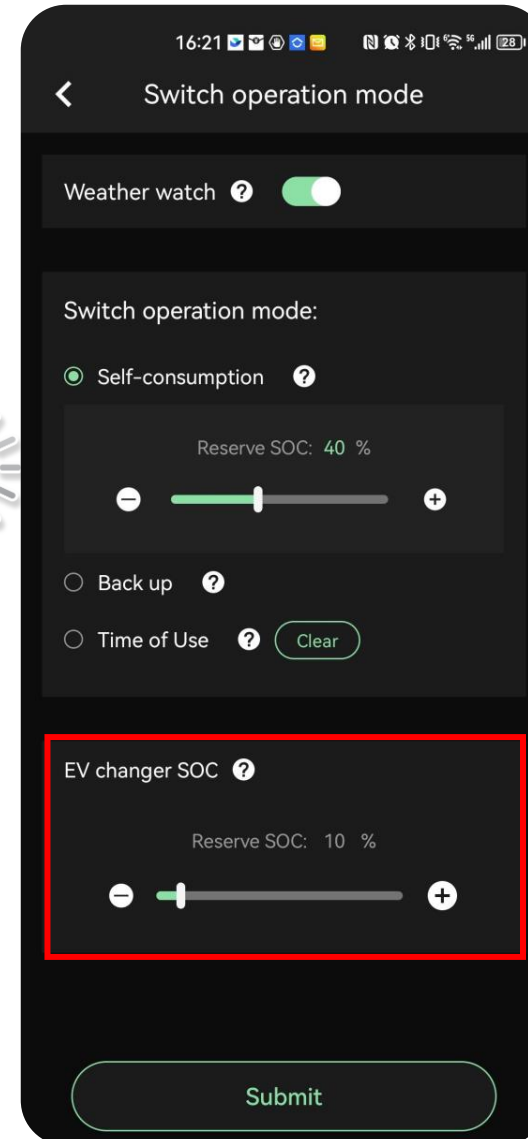
EP CUBE

On top of the “Switch operation Mode” page, customers have the option to enable “**weather watch**”, this will enable the EP CUBE to monitor local weather and charge the batteries for backup in case of any extreme future weather events.

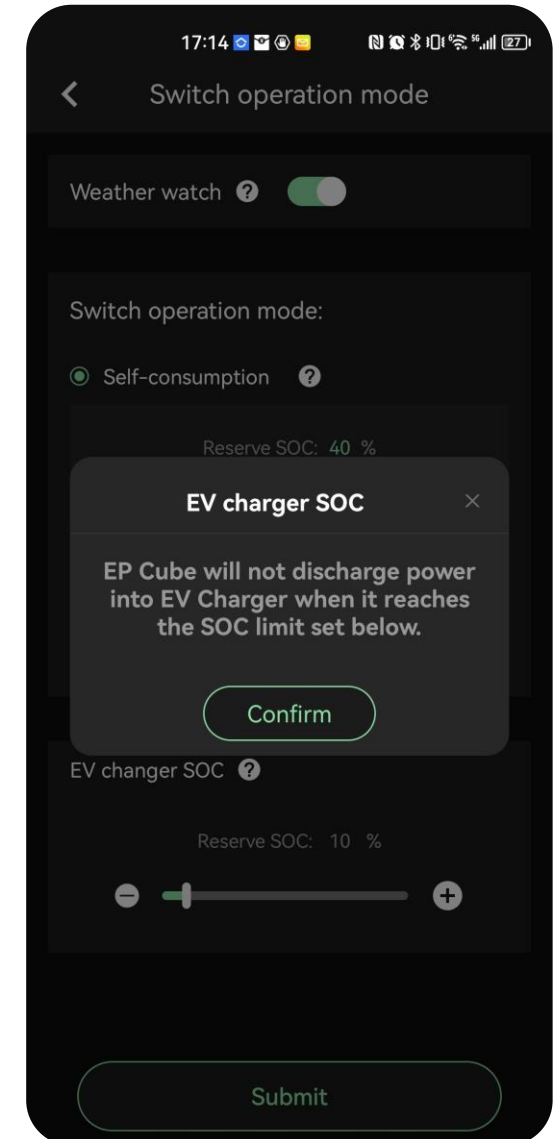


Home-Operation Mode Selection

- On bottom of the “Switch operation Mode” page, customers have the option to set **“EV charger SOC”**, this will enable the EP CUBE to control the discharge through EV charger once the battery SOC reaches the set value.



EP CUBE



Home-Operation Mode Selection

EP CUBE

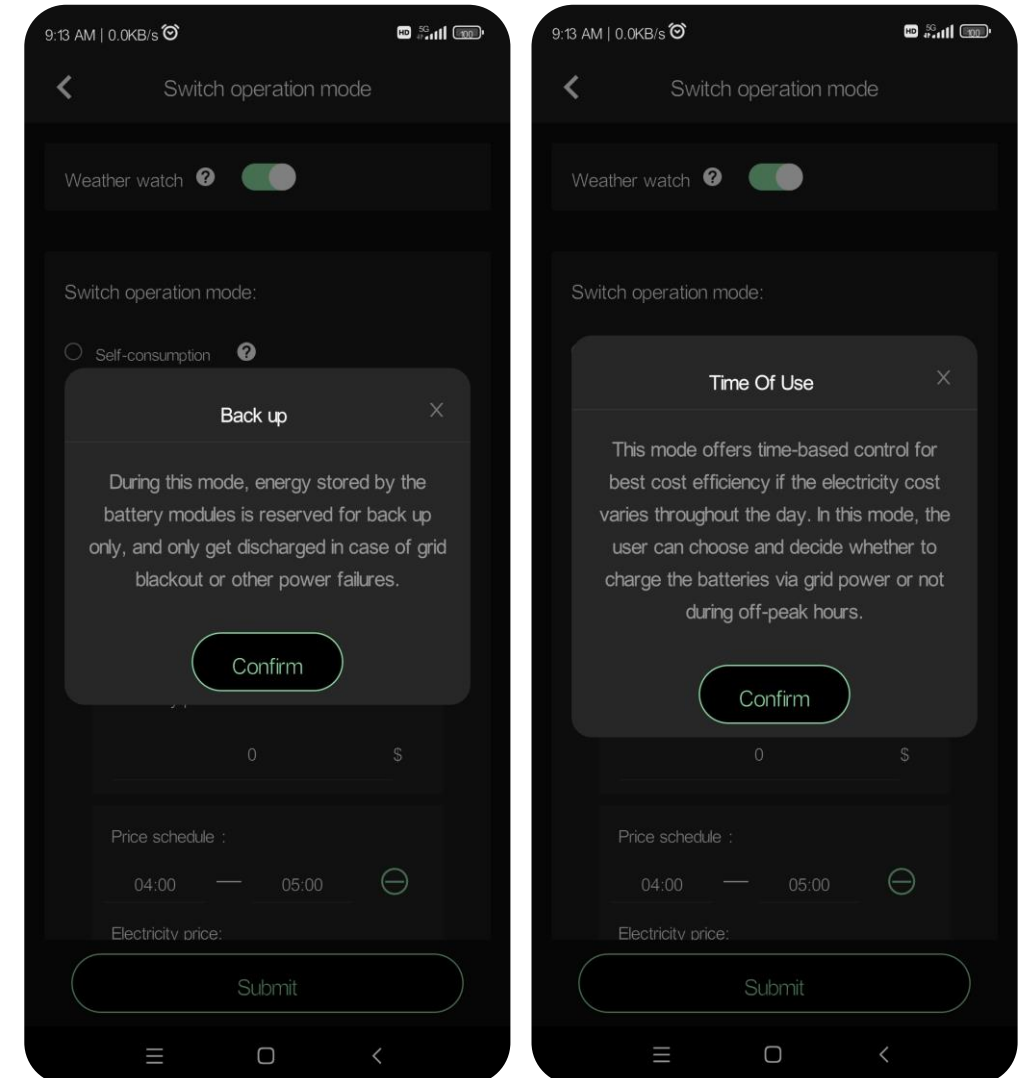
Back Up Mode: During this mode, energy stored by the battery modules is reserved for backup only, and batteries only get discharged in case of grid blackout or other power failures.

This mode also offers the user to set a threshold value for Reserve SOC in order to use stored energy for emergency/backup use only.

PV Power Usage Priority: Load > Battery > Grid.

Load Energy Source Priority: Photovoltaic > Battery > Grid

Battery Charging Source: PV > Grid



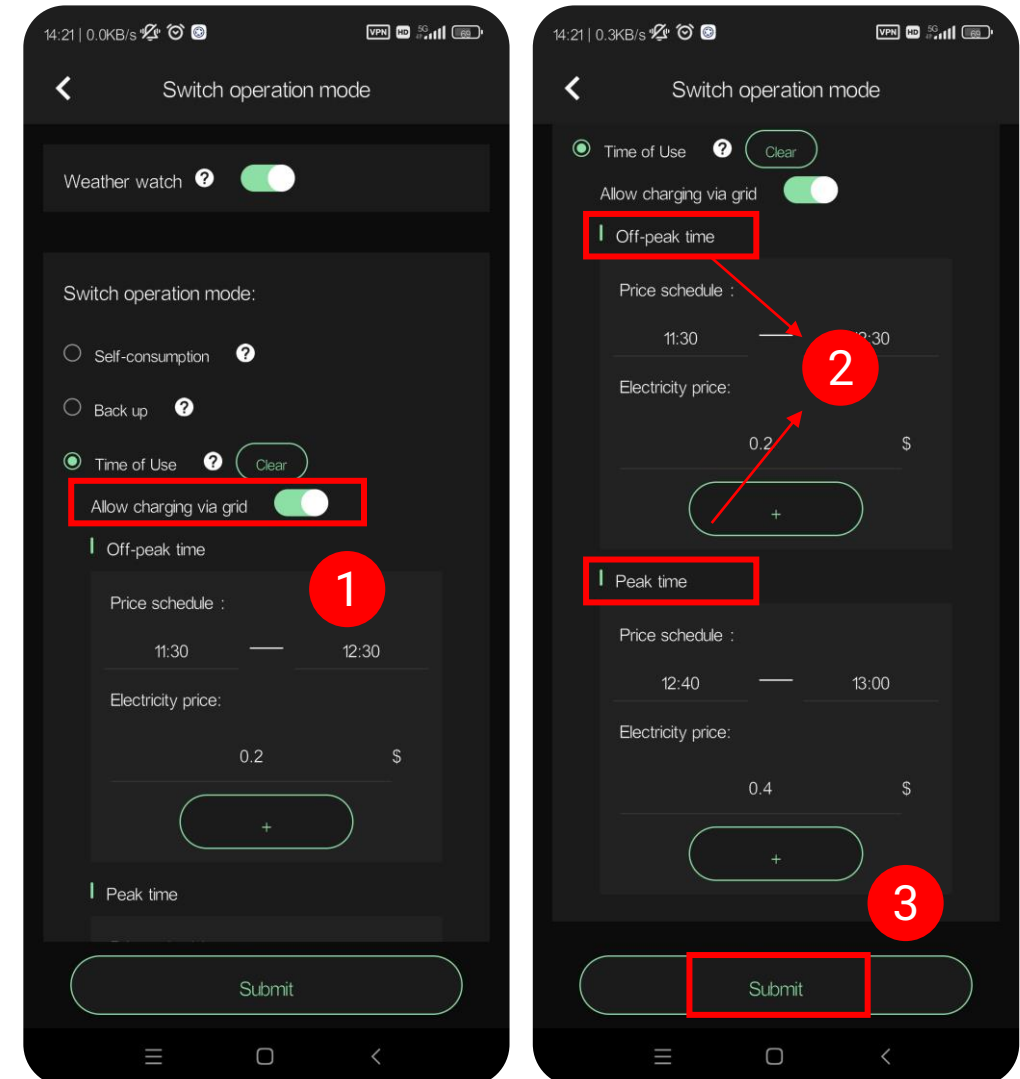
Home-Operation Mode Selection

EP CUBE

Time of Use Mode: This mode offers time-based control for best cost efficiency if the electricity cost varies throughout the day. It allows to choose whether to charge the batteries via grid or not during off-peak hours.

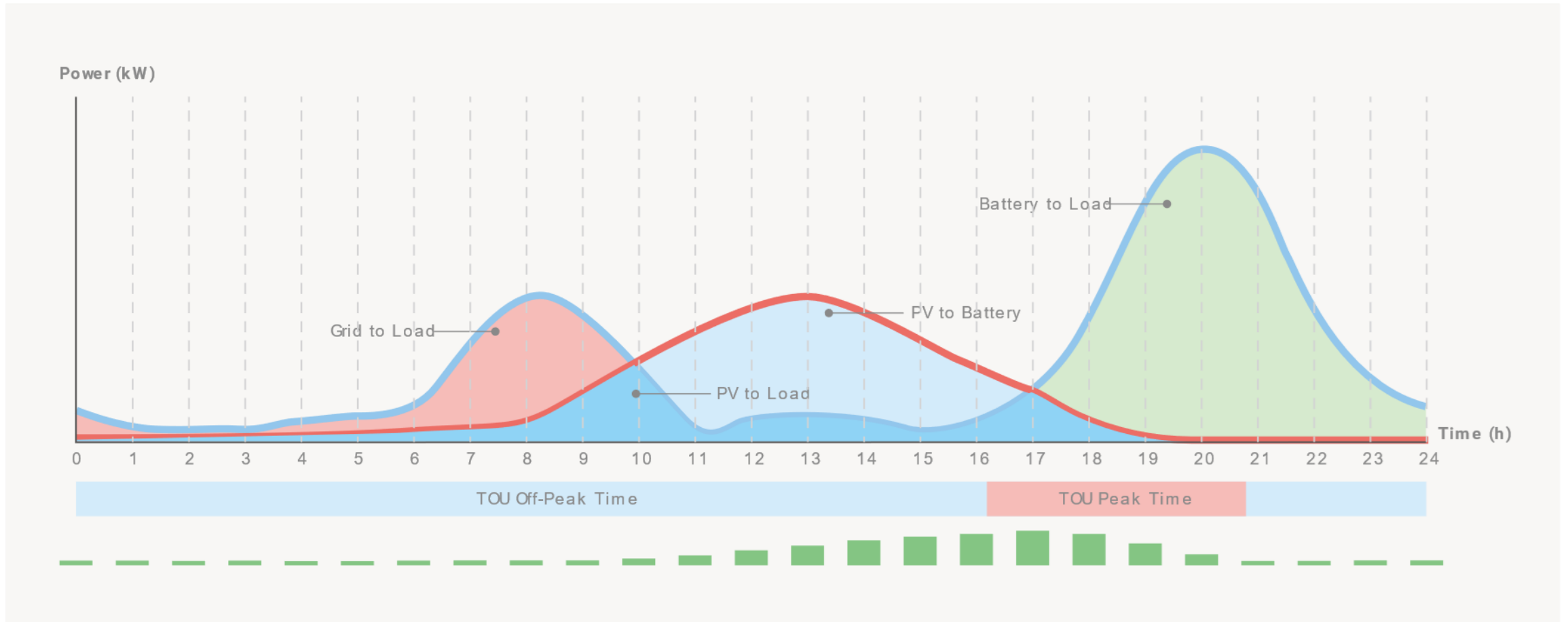
Multiple time-slots for Off-Peak Time and Peak Time.. Each category can have a maximum of 3 timeslots with electricity prices, and by clicking the **clear** button you can clear all previous settings.

After selection of preferred operation mode, click submit to save the changes.



Home-Operation Mode Selection

EP CUBE



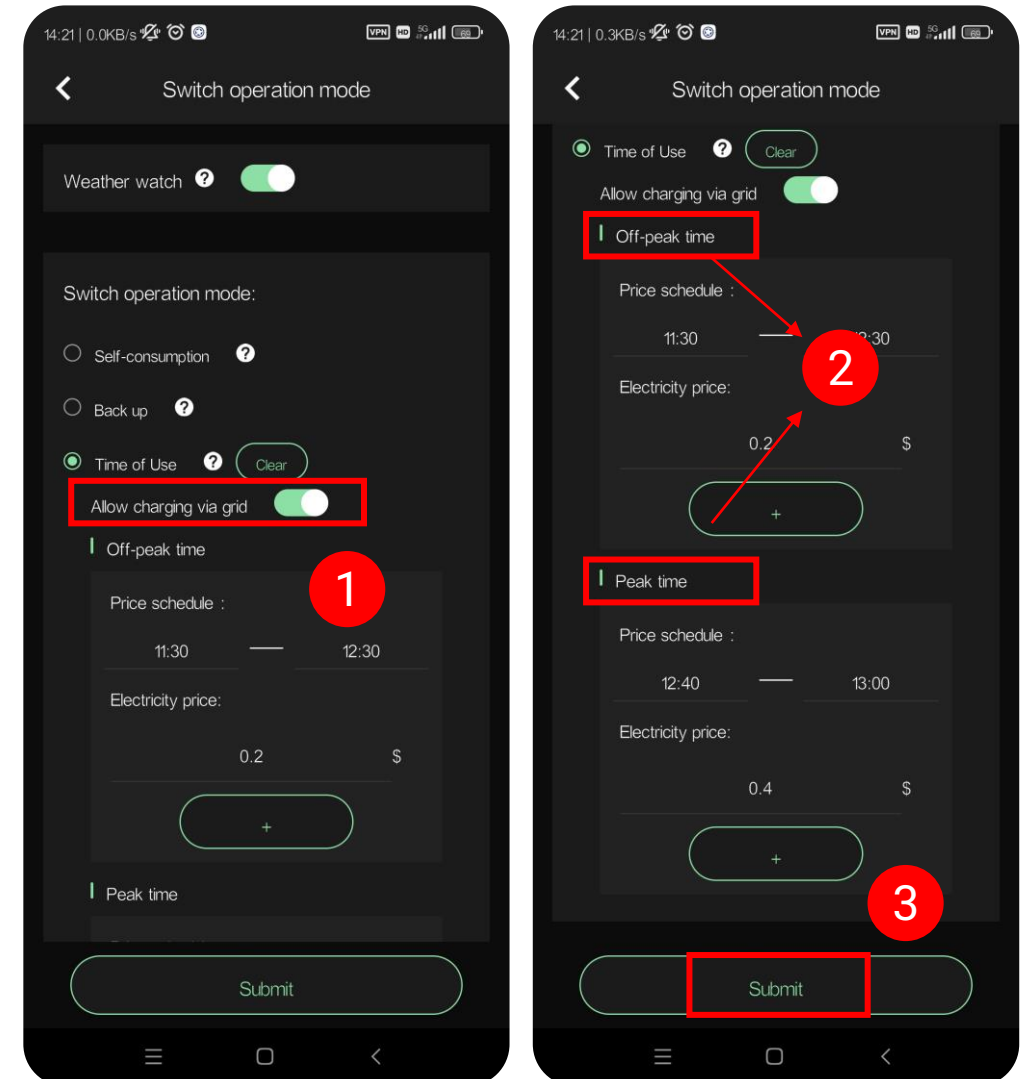
Home-Operation Mode Selection

During Off peak hours, EP CUBE can only be charged from PV as priority power source. If PV power is not in excess then user can allow to charge the EP CUBE with low price electricity from grid during off peak hours in order to ensure full charge before peak hours.

Battery Charging Source: PV > Grid

Load Energy Source Priority: Photovoltaic > Grid

EP CUBE



Home-Operation Mode Selection

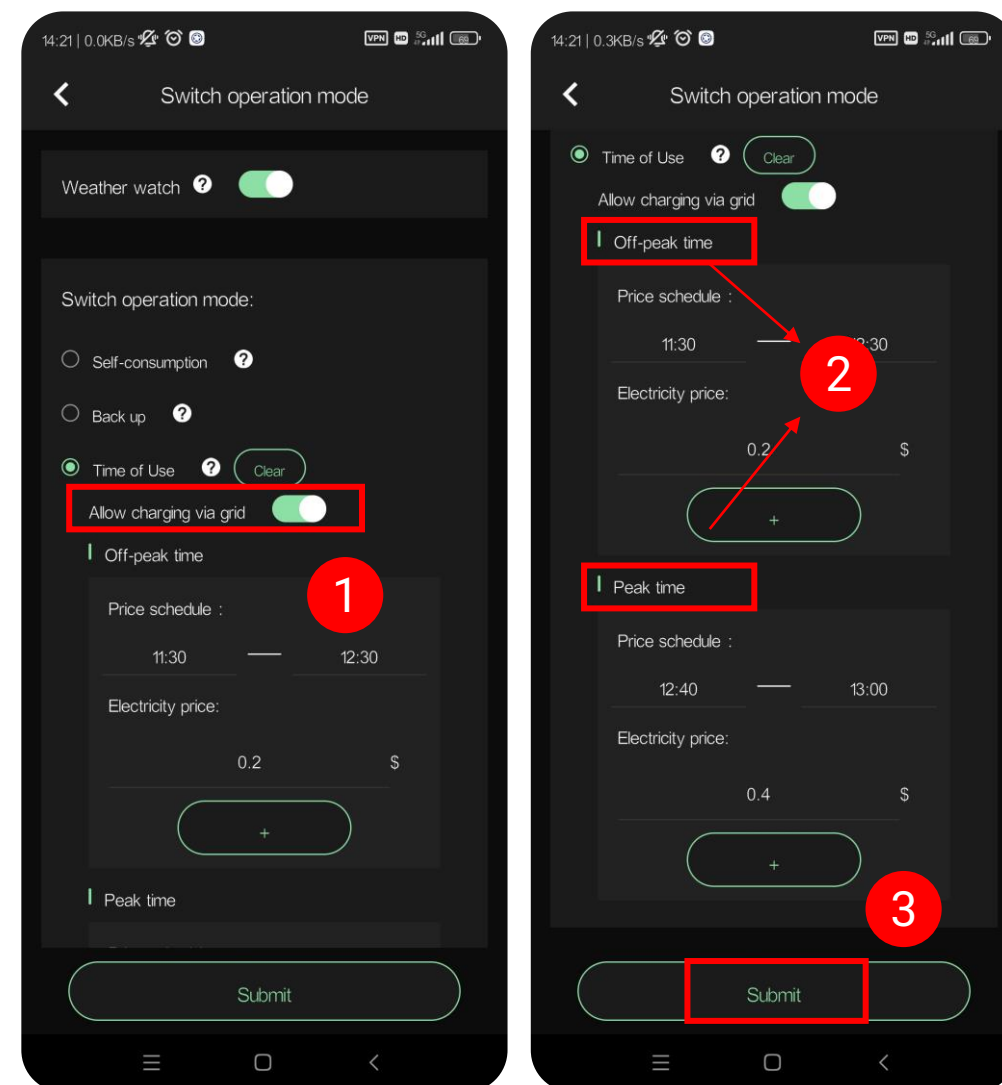
During peak hours, EP CUBE supports the load's power consumption from PV power and battery to avoid use of high price electricity from grid. Loads are supported by PV, and battery as priority power sources and excess consumption is supported by grid. During peak hours, system operation is consistent with "Self Consumption" mode.

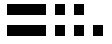
PV Power Usage Priority: Load > Battery > Grid.

Load Energy Source Priority: Photovoltaic > Battery > Grid

Battery Charging Source: PV only.

EP CUBE



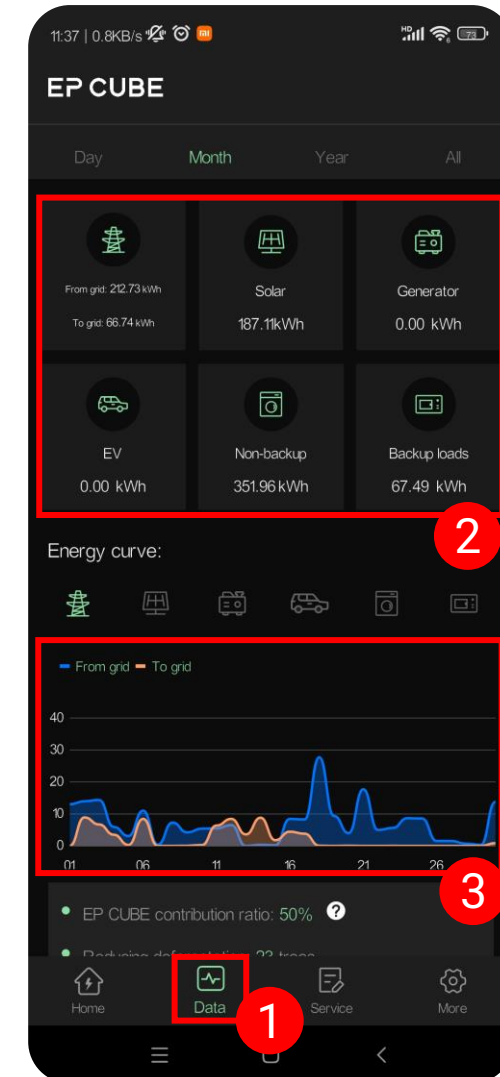


03

Data Page



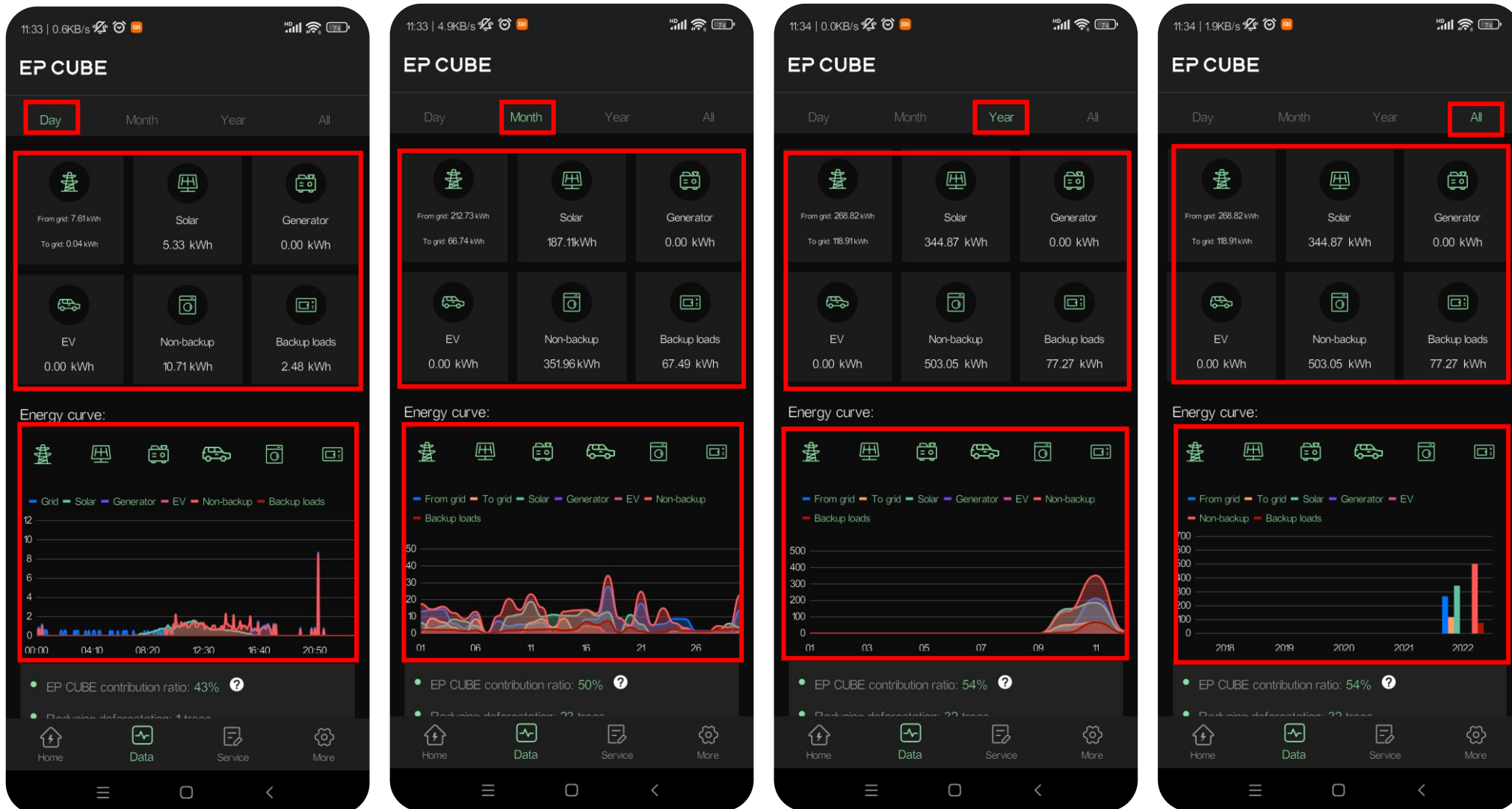
- Clicking on the “**Data**” button, user will be able to monitor detailed real-time information collected by EP CUBE for the device over its period of operation.
- Acquired data is collected and presented in a very intuitive way for the user’s understanding. It gives an insight into energy generation and consumption patterns. So, user can utilize and optimize the system in a way to meet personalized requirements in a better way.
- Besides that data is presented in both numbers and curves to make it more presentable and easier to understand. User can also click on different devices to see individual energy figures and curves.



Data

EP CUBE

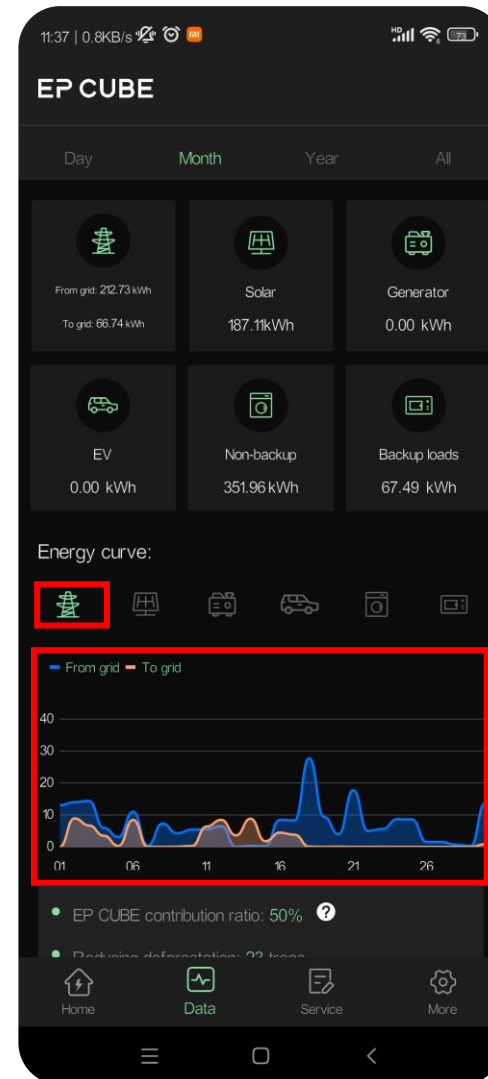
- This data is provided on a **daily, monthly, and yearly** basis.



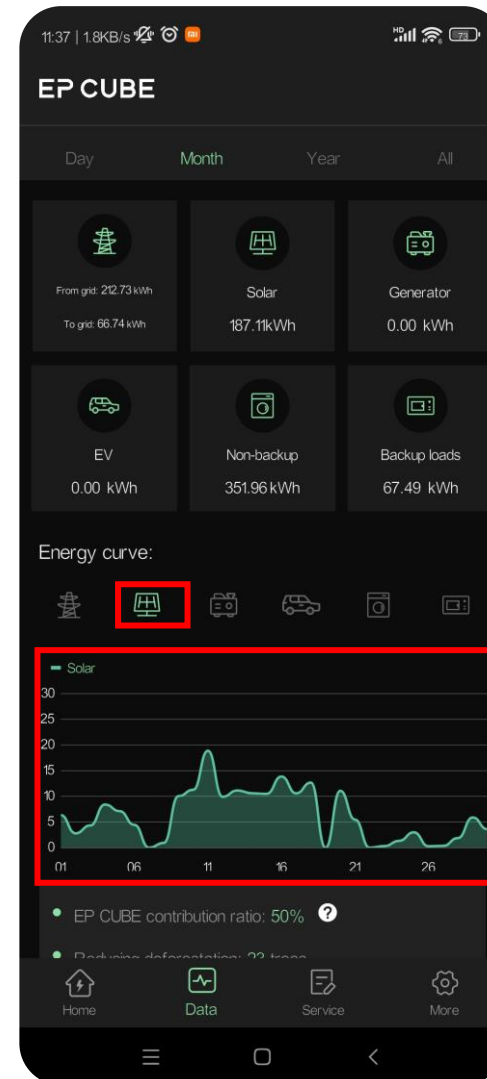
Data

- Energy curves are available for all connected devices, click on a specific device to see individual curves.

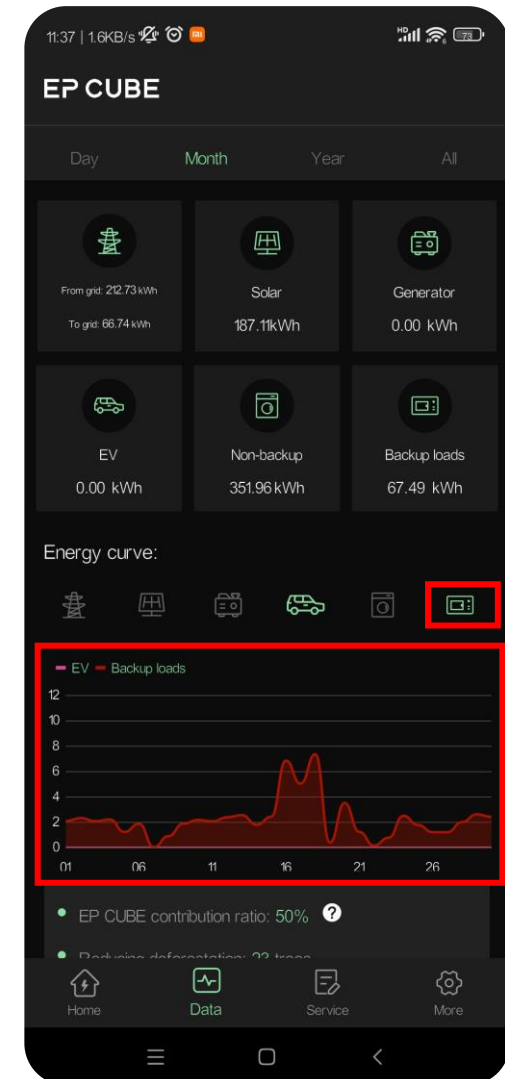
EP CUBE



Grid



Solar PV

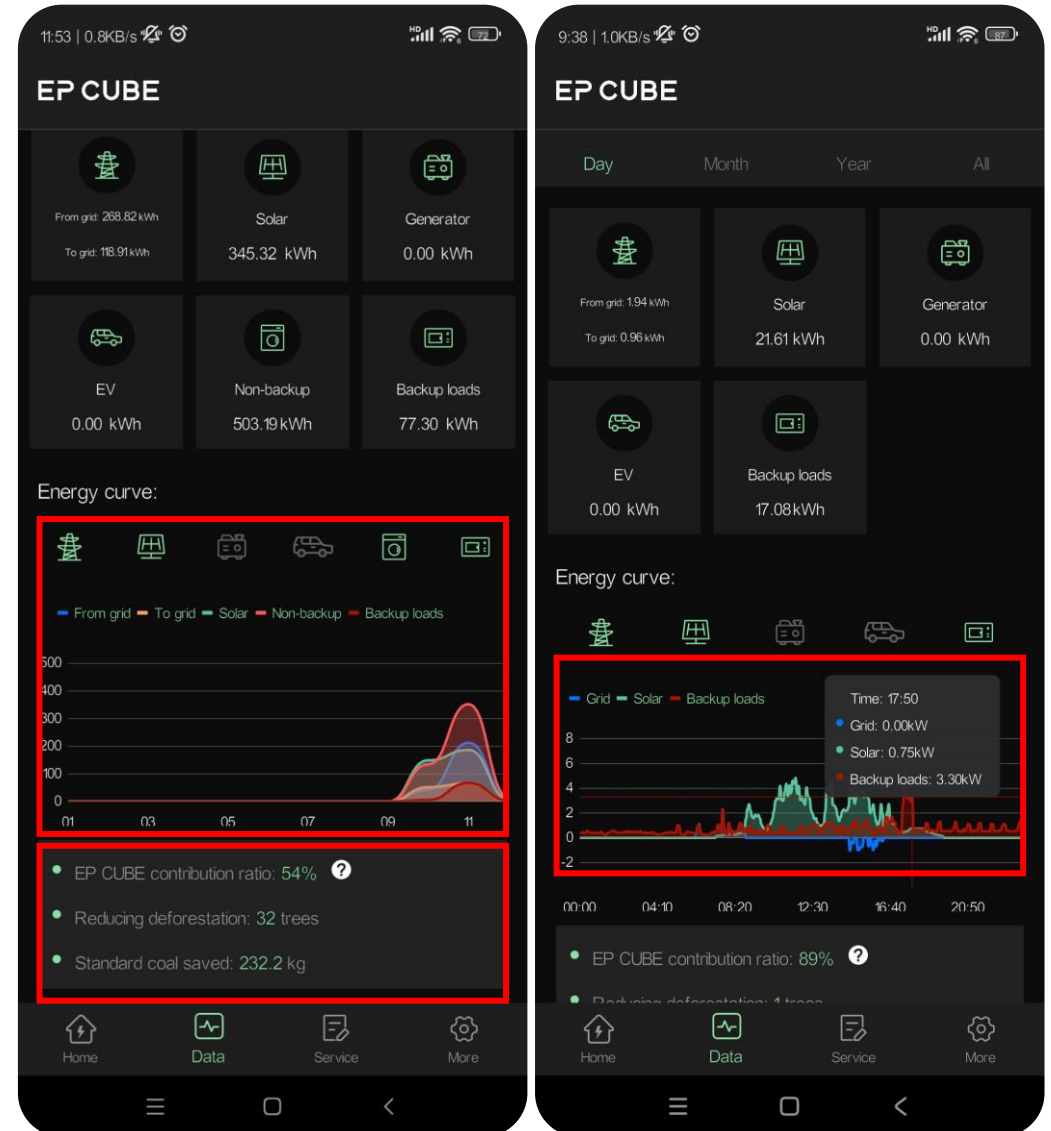


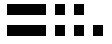
Backup Loads

Data

- Energy curves for all connected devices can also be viewed together to better understand the energy generation and consumption trends over a certain period in time. Just click on the device icons simultaneously to view multiple curves.
- EP CUBE also performs some cool analytics for you and provides you information on the environmental impact of your device in terms of:
 - ✓ EP CUBE Contribution Ratio
 - ✓ Reduced Deforestation
 - ✓ Standard Coal Saved
- By clicking on any point on the graph, user can see the energy contribution and consumption for each connected device at that particular instant.

EP CUBE





04

Service Page



Service

EP CUBE

- Clicking on the “**Service**” button will redirect to next page where user can contact one of EP service teams.
- Under the Question sections, click on FAQ to read EP CUBE product documentation and relevant frequently asked questions.
- Clicking on hotline button will copy and display EP service hotline number in case user would like to talk to someone from EP service teams.

9:41 | 0.0KB/s

EP CUBE

Schedule Service for Your EP Cube System

Thank you for choosing EP Cube. To schedule technical service, please renew your personal contact information, and click submit in this page. Please select a category and try to describe the problem.

Questions?

For more information about troubleshooting, please refer to our [FAQ](#). Our hotline will be available 24hrs Monday through Friday.

Category None

Description

Please enter the description

Submit

Can't submit twice in 30 minutes

Home Data **Service** More

Service

- Clicking on the “**Category**” line will display different categories in the dropdown list to classify the nature of service request i.e., product Inquiry, Product Issue/repair, etc.
- User can provide more information about the service request in description section and click submit button to successfully complete this task.
- Once submitted, you cannot submit another service request for 30 min.

EP CUBE

EP CUBE

Schedule Service for Your EP Cube System

Thank you for choosing EP Cube. To schedule technical service, please renew your personal contact information, and click submit in this page. Please select a category and try to describe the problem.

Questions?
For more information about troubleshooting, please refer to our FAQ.
Our **hotline** will be available 24hrs Monday through Friday.

Category None ▾

Description

Please enter the description

Submit

Can't submit twice in 30 minutes.

Home Data **Service** More

EP CUBE

Schedule Service for Your EP Cube System

Thank you for choosing EP Cube. To schedule technical service, please renew your personal contact information, and click submit in this page. Please select a category and try to describe the problem.

Questions?
For more information about troubleshooting, please refer to our FAQ.
Our **hotline** will be available 24hrs Monday through Friday.

Category None ▾

Description

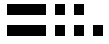
Please enter the description

Submit

Can't submit twice in 30 minutes.

Home Data **Service** More

- None
- Product Installation
- Product Inquiry
- Product Issue / Repair
- Customer Complaint



05

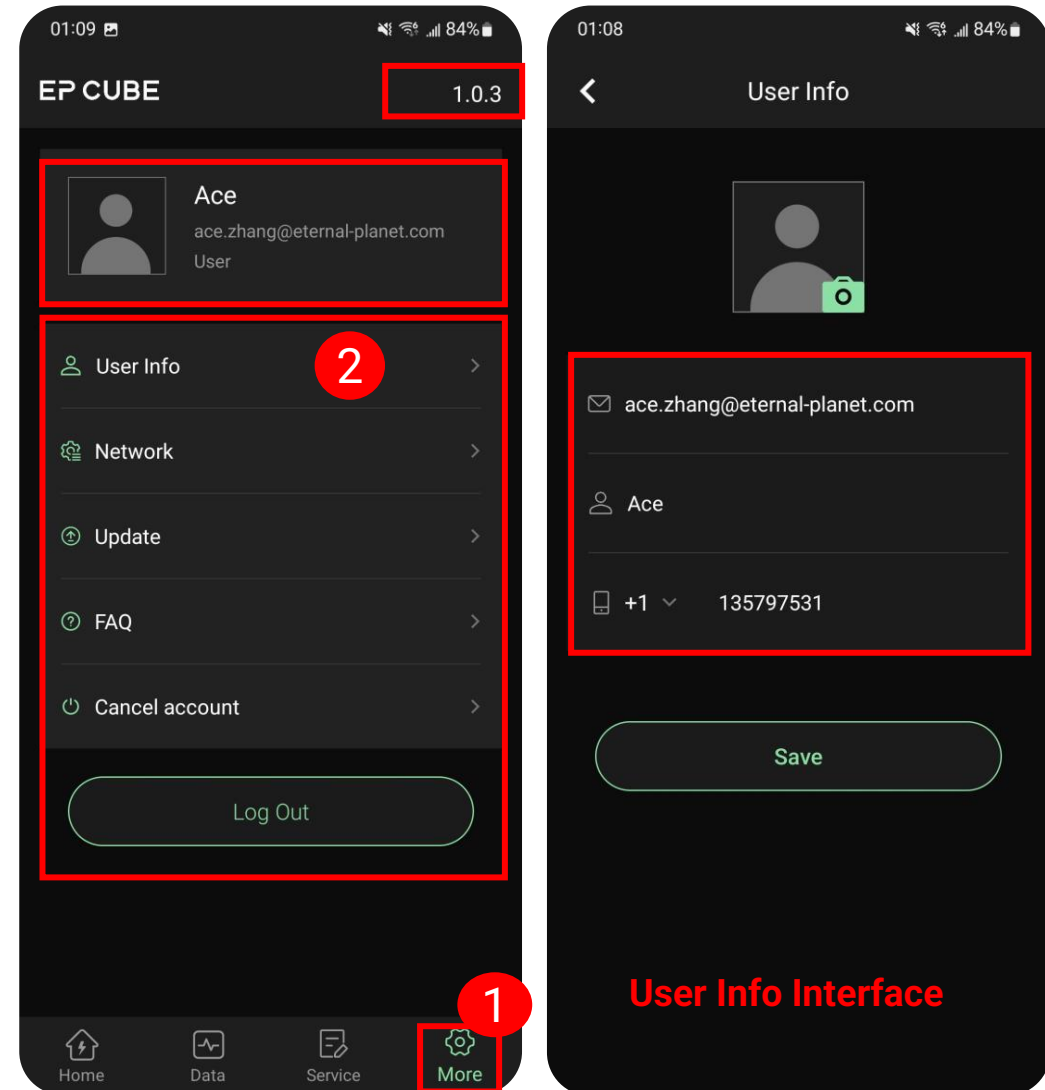
More Page



More-User Info

- Clicking on the “**more**” button, the main interface will display a menu list.
- On the top right corner, the current version of the app is displayed. Below that user can see the following info:
- User Name
- User Account
- Account type (Installer/User)
- User name and contact information can be updated by clicking “**User Info**”

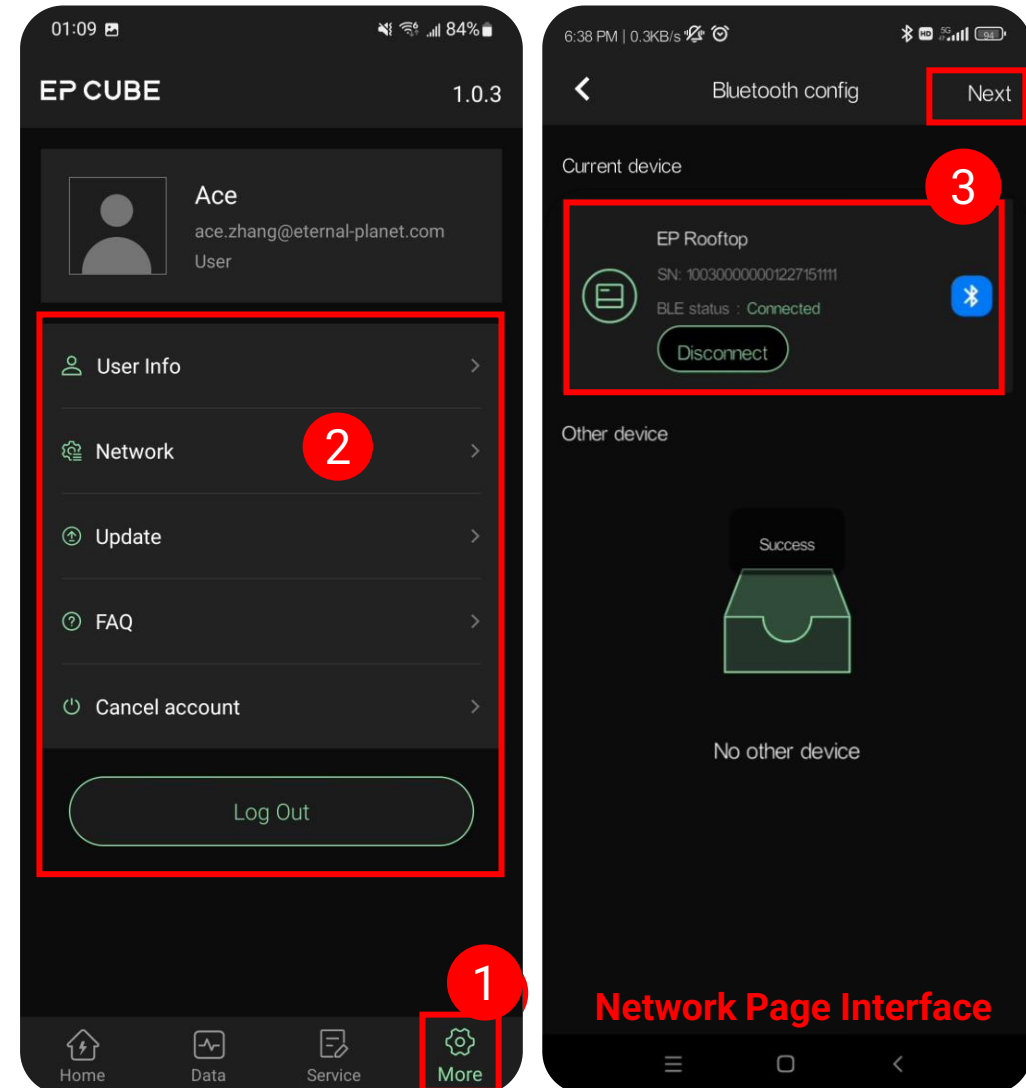
EP CUBE



More-Network

- **Network:** In order to set up a WIFI network connection, click on network. All your devices are shown here. Select your specific device and click on the Bluetooth button next to it.
- The selected device will be set as the current device. And Bluetooth icon will change its color.
- Click next in the top corner to see the WIFI setup interface. Connect to an available WIFI network using the password.

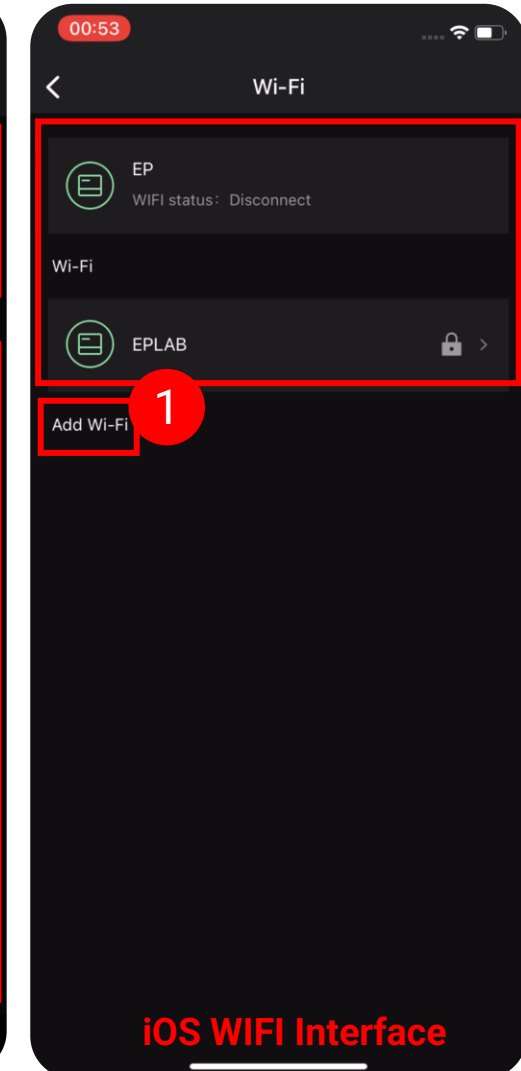
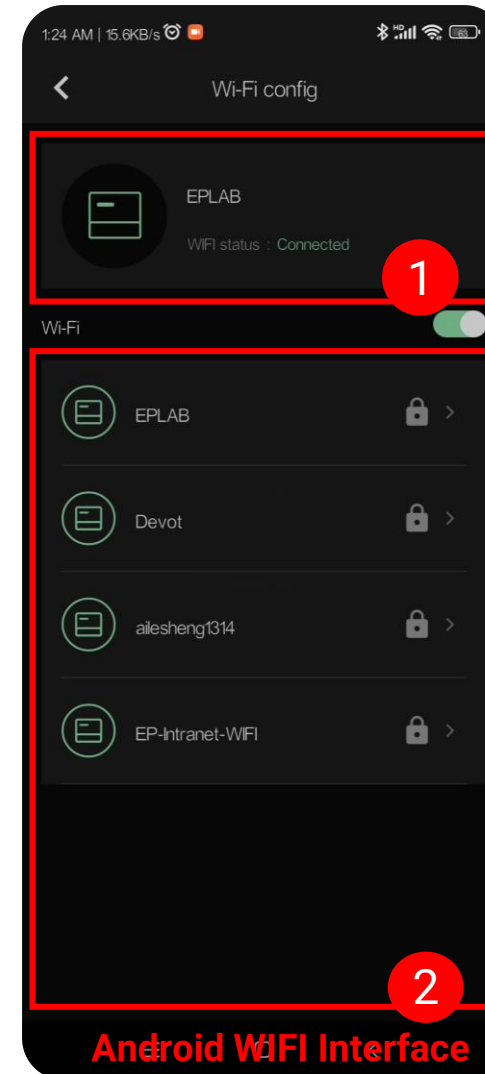
EP CUBE



More-Network

EP CUBE

- **WIFI:** On top, it shows the Wi-Fi currently connected to the device, and it has the WIFI name and connection status.
- Android displays a list of nearby 2.4GHz WIFI. When Bluetooth is connected, you can set the device to WIFI.
- iOS displays only the WIFI previously connected to the phone. If the phone is not connected to WIFI, the WIFI will not be displayed. Add Wi-Fi button can be used to manually add by writing the WIFI name and password to connect it to the device.



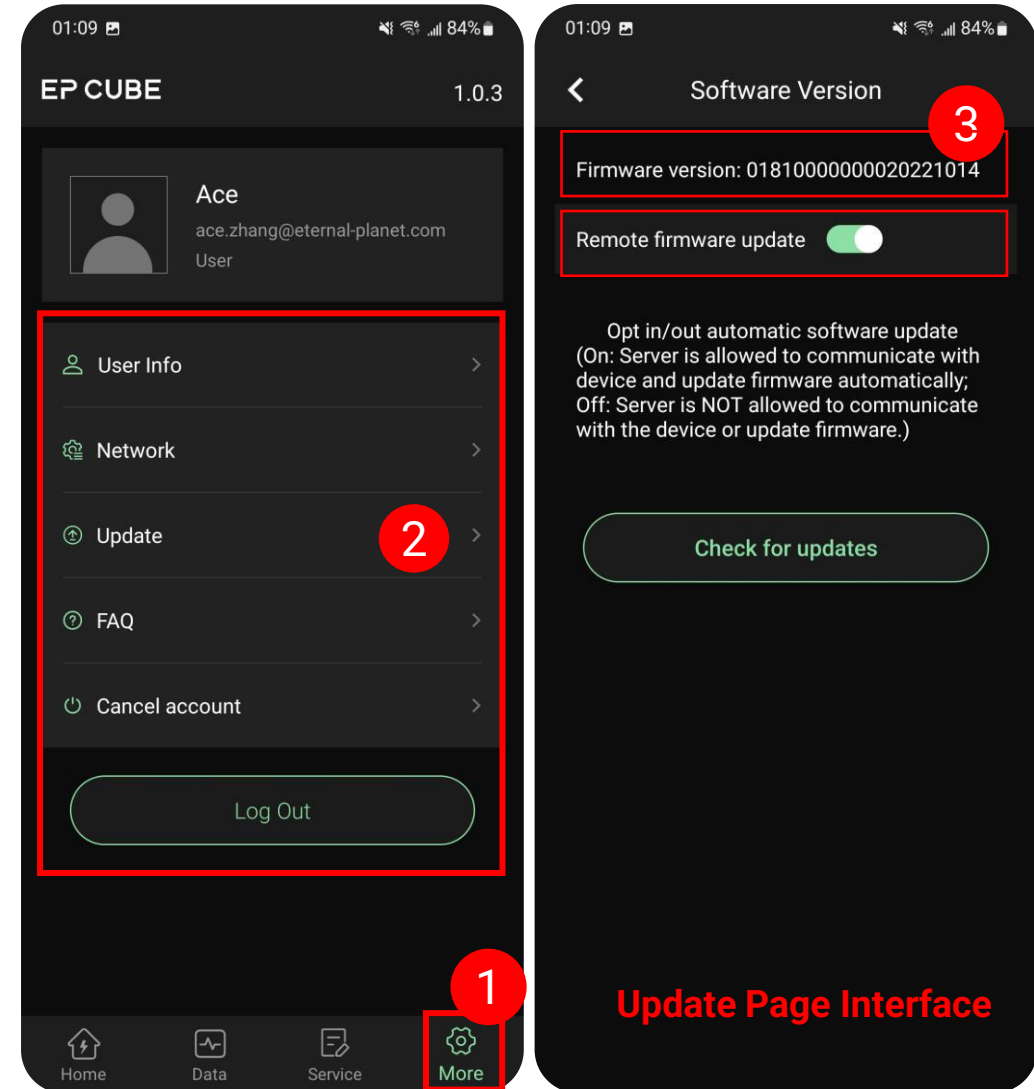
More-Update

Click on the “**more**” button, then click “Update” and it will display the update page interface.

The **firmware version** will be displayed on top. Users will be able to enable the “**Remote Firmware Update**” feature known as “On the Air” which allows the EP CUBE system to automatically update the firmware.

Click on the check for updates button to manually check any available updates.

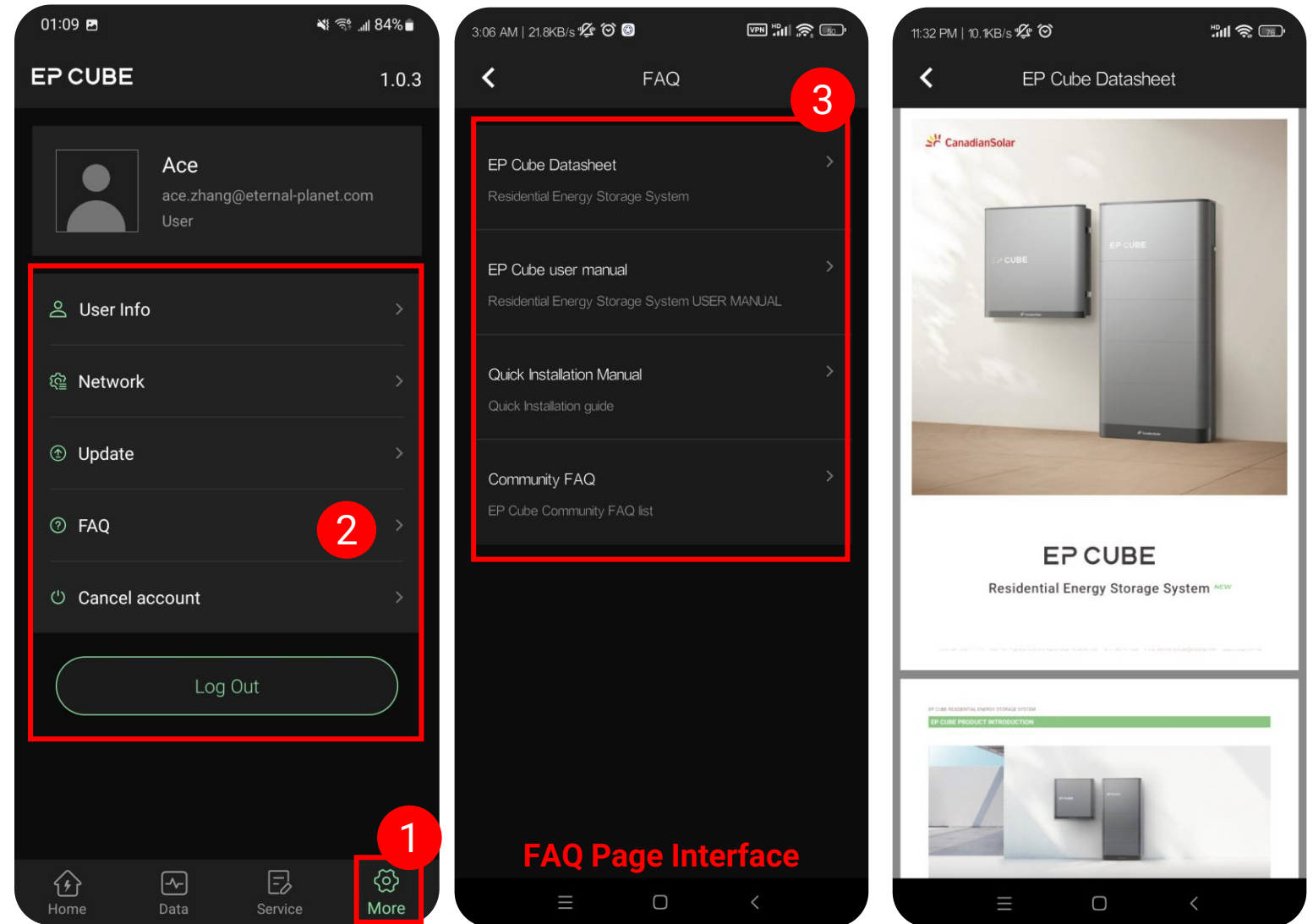
EP CUBE



More-FAQ

Click on the “more” button, then click “FAQ” and it will display the FAQ page interface.

It provides basic information and documentation related to EP CUBE System. Click on your desired option from the available list of options, and you will be able to access the corresponding document from your app i.e. datasheet, user manual, and quick installation guide.



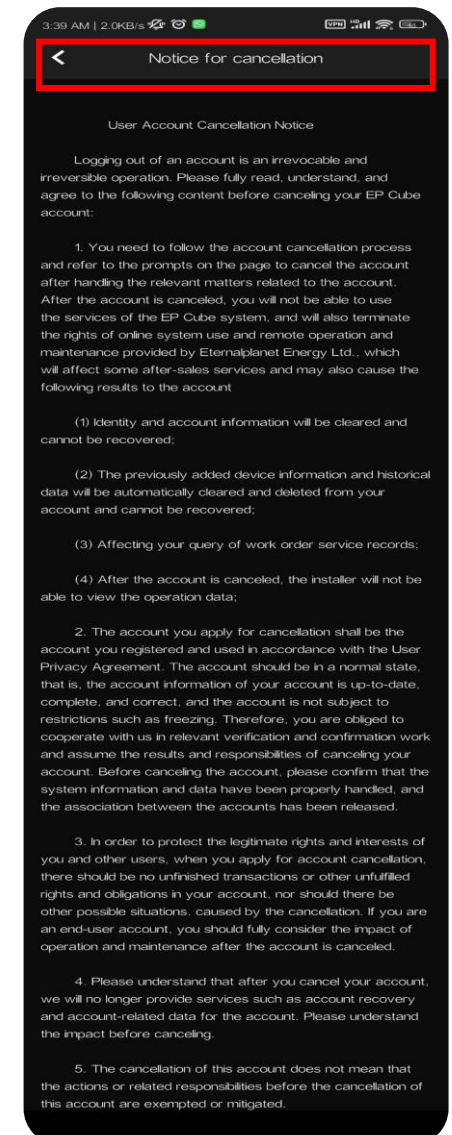
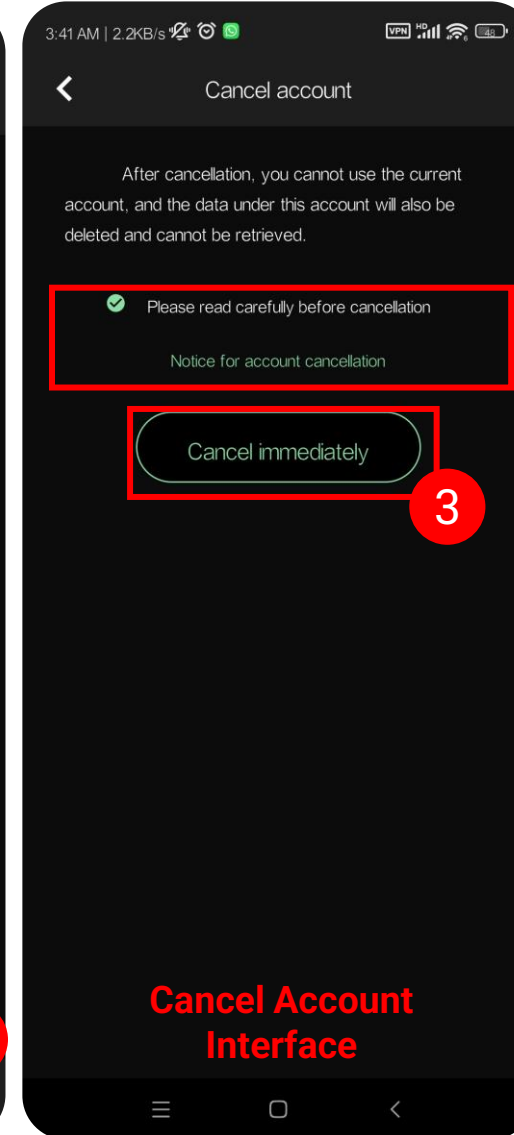
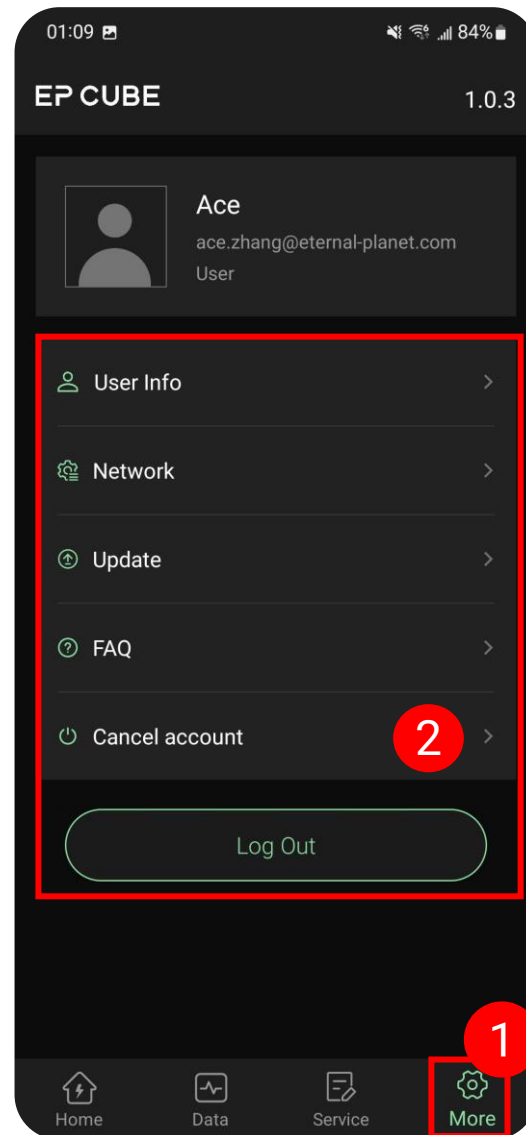
EP CUBE

More-Cancel Account

Cancel Account: last option on the menu allows the user to cancel the EP account. Upon clicking you will be directed to the cancellation page.

Click on the Notice for account cancellation to completely understand the cancellation terms and conditions.
Check the box after reading.

Finally, click the “Cancel Immediately” button to continue account cancellation.



THANK YOU!

www.eternalplanetenergy.com, service.us@epcube.com