

HYPER V1.2 LIVOLTEK APP USER GUIDE FOR INSTALLER



SPAZIO POWER
a Division of Spazio Lighting (PTY) LTD

52 Andries Street
Wynberg, Sandton

011 555 5555
info@spazio.co.za
www.spaziopower.co.za

SPAZIO
POWER 

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Livoltek APP was designed by our own R&D team in China

We have two servers active on the APP:

www.livoltek-portal.com (International server)

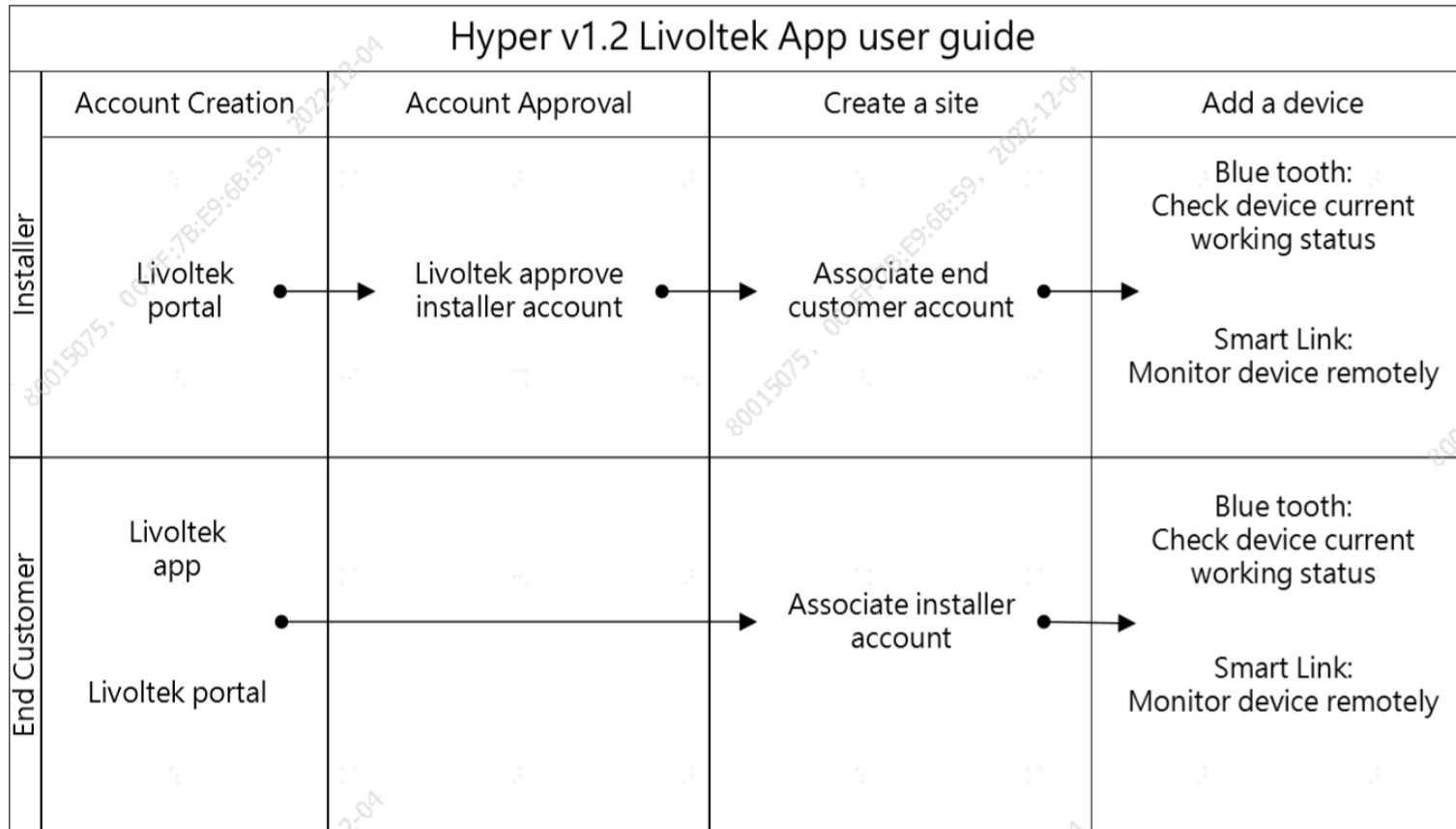
www.evs.Livoltek-portal.com (EU & MEA)



Download the Livolttek app from
Google Play or iOS App Store.



Or scan below QR code for app
installation.



1. Account Registration


1.1 Confirm server and account role

Enter below URL to register an account from laptop.

<https://evs.livoltek-portal.com/#>

Confirm server is EU& MEA at the upper right corner.

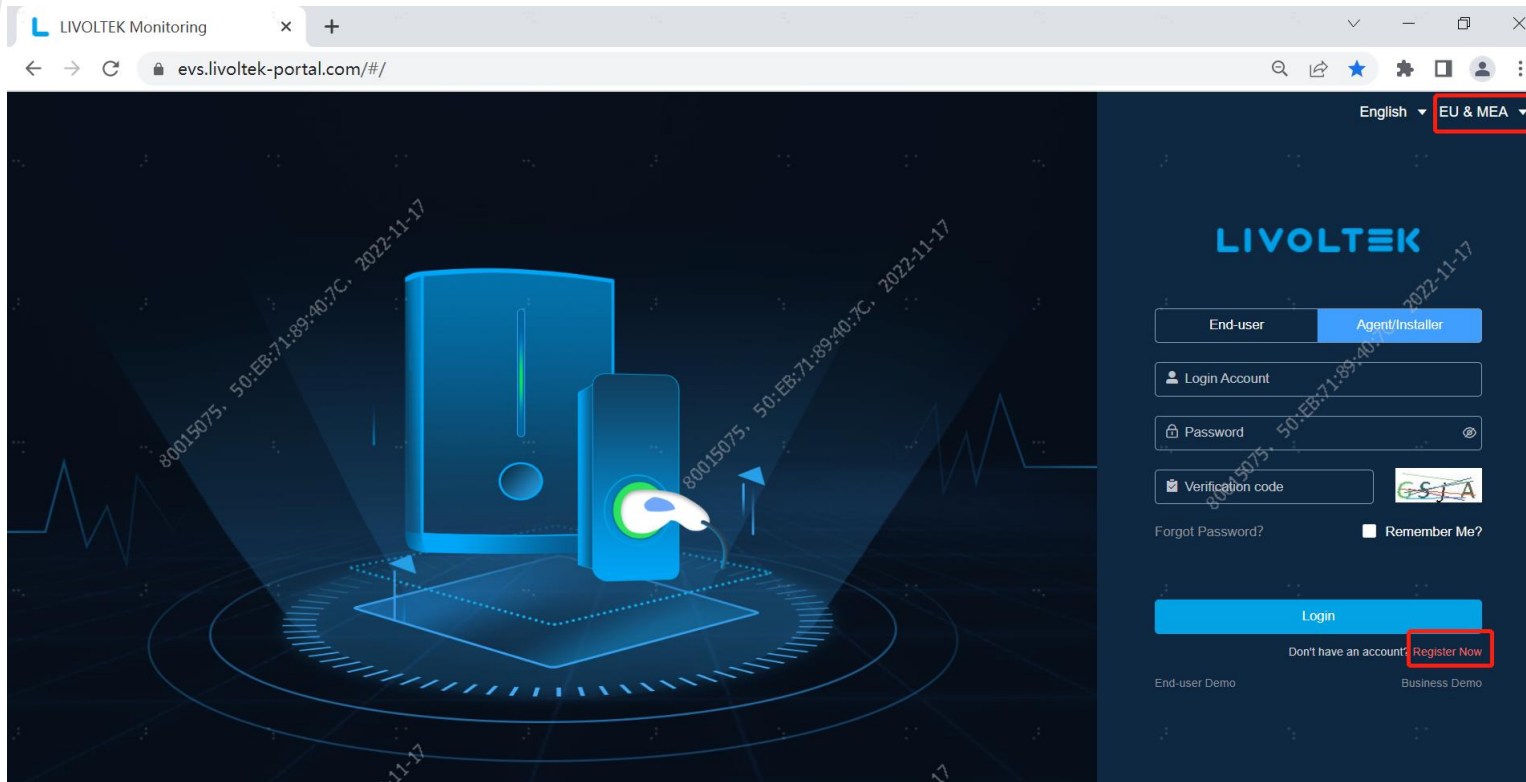
Click Agent/Installer, then click **Register Now**.

In case the server displays International Server, please tap  to change the server to EU & MEA. Then click **Register Now**.

There are two servers for customers from different region.

EU&MEA: Europe, Middle East Regions, Africa

International Server: Asia, Latin America, Australia and others



1.2 Complete required information

Alphabet (A-Z, a-z), numbers (0-9), dot (.), comma (,), hyphen (-), underscore (_) and

hashtag (#) are allowed as Login Account.

Password should have uppercase and lowercase letters, and the length must be at

least 8 digits.

Click Register after completed all of required information.

LIVOLTEK Monitoring

evs.livoltex-portal.com/#/

LIVOLTEK

End-user Agent/Installer

Login Account

Name

Password

Confirm password

Email

Verification code

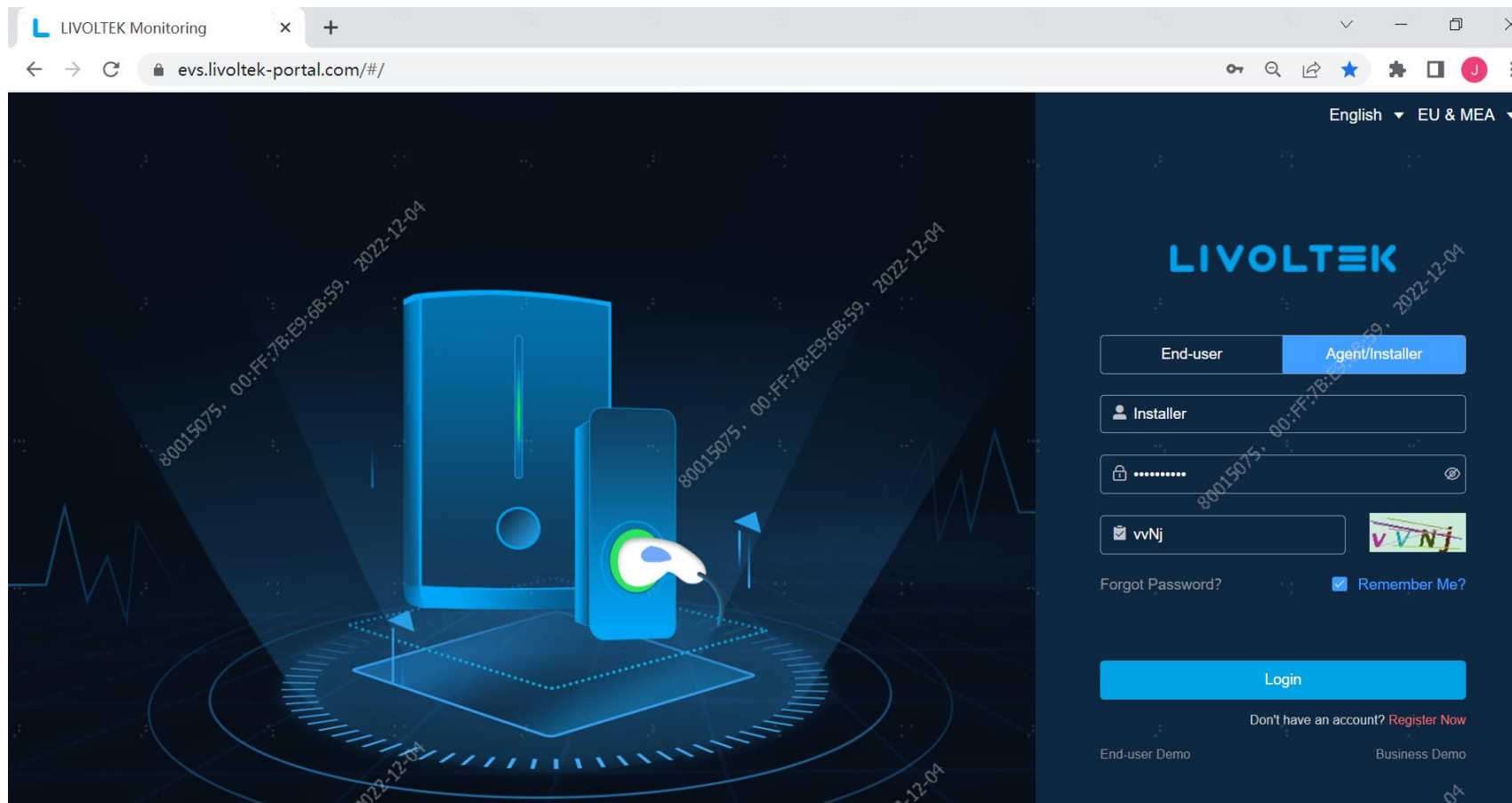
Mobile Phone

TelephoneNo.

I have read and agree to the [Terms of Service](#) and [Privacy Policy](#)

Existing account? [Sign in now](#)

Go back to the login page, enter login account and password, and then click **Login**.



Complete information required at Registry page.

Select **Livoltek (Livoltek)** for Upper Level Org.

Then click **Submit**.

LIVOLTEK Operator Registration V2.1.2.1 English Installer

Registry

Organization Info.

Company Name: Inverter installer

Company Email: dembenefalebono@gmail.com

Region: South Africa

Operator Type: Installer

Company Address: 82 Roan Crescent street, Corporate Park North

Applier Info.

Applicant: Dembe Nefale

Telephone: 0713704049

Login Account: Installer

Register Email: dembenefalebono@gmail.com

Upper Level Info.

Upper Level Org: **Livoltek(Livoltek)**

Submit

1.3 Account approval

When you see "Application for registration", please contact us on +27 11 078 0430

or WhatsApp us on the same number for approval.

LIVOLTEK Operator Registration V2.1.2.1 English English Installer

Registry

Organization Info.

Company Name: Inverter installer

Region: South Africa

Organization Code: ZA002B70VW

Company Email: [Redacted]

Operator Type: Installer

Company Address: 82 Roan Crescent street, Corporate Park North

Applier Info.

Applicant: [Redacted]

Telephone: [Redacted]

Login Account: Installer

Register Email: [Redacted]

Upper Level Info.

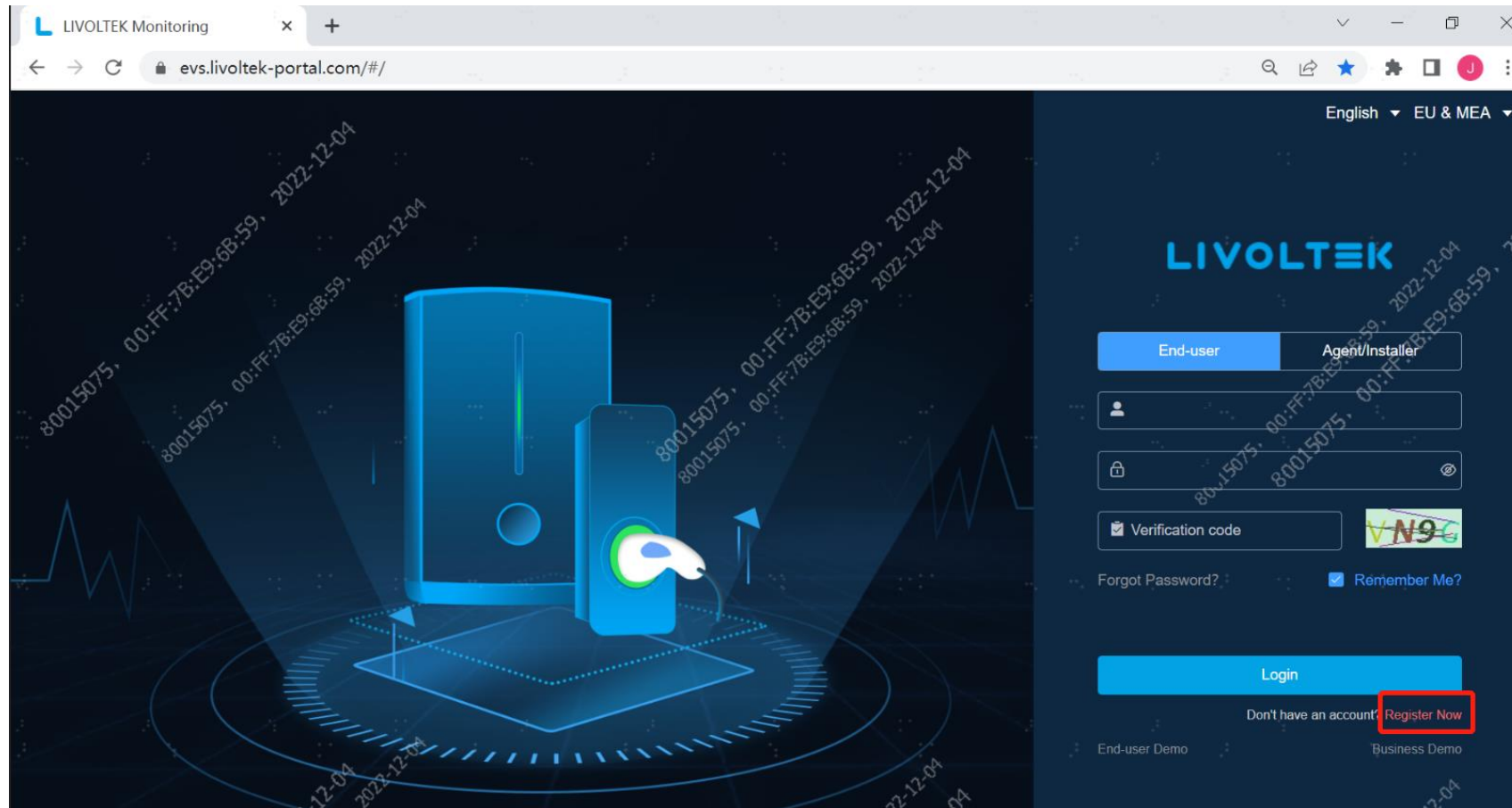
Upper Level Org: Livoltek(Livoltek)

Approval Info.

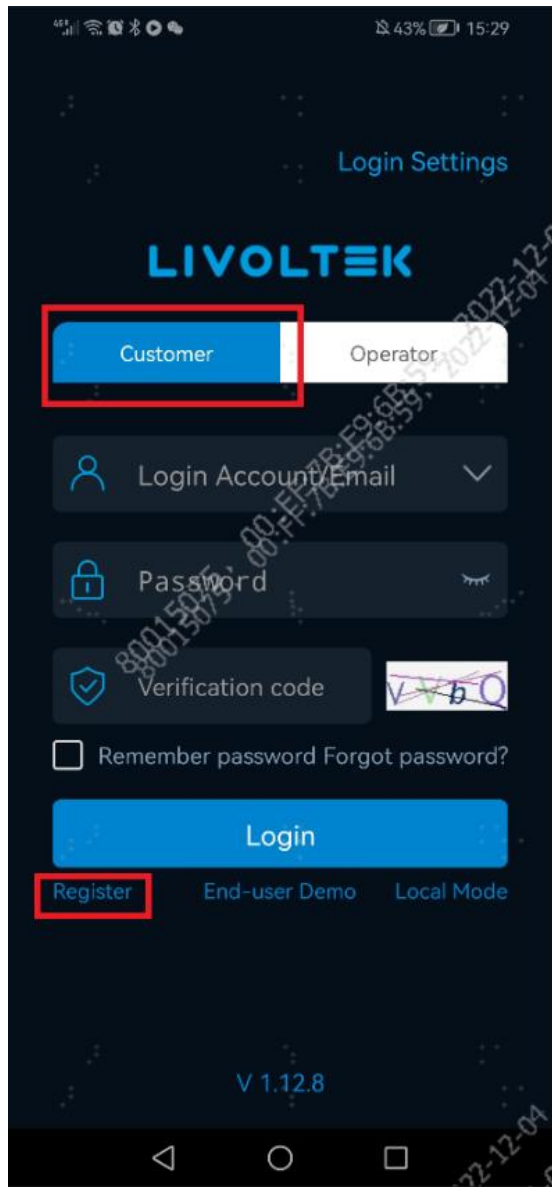
[Apply] 2022-11-17 14:53:59
Application for registration

1.4 End customer account creation

Select End-user tab at Livoltek portal and click **Register Now** to start register an account for end customer.



Or register end customer account from Livoltek app.



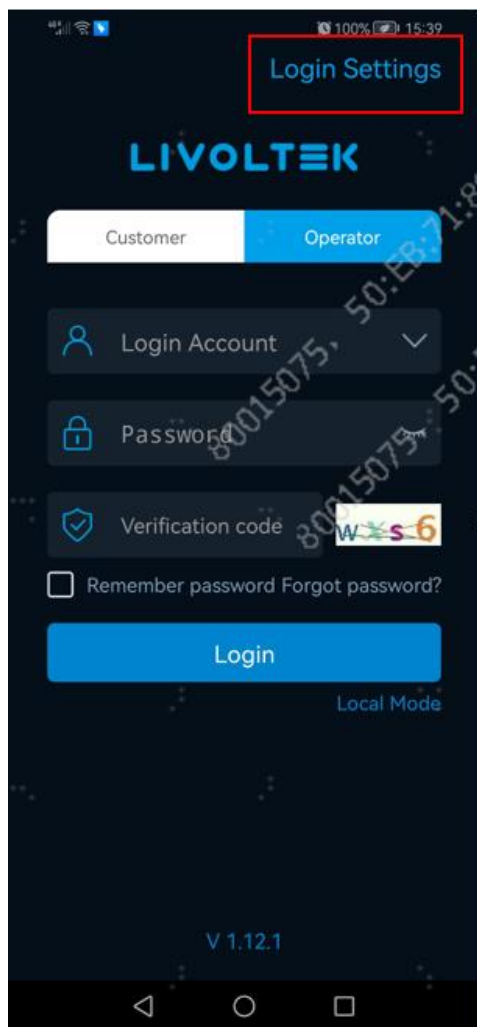
The procedure is same with installer account creation, however, end customer account do NOT need Livoltek's approval.

2. Site Creation

2.1 Check server

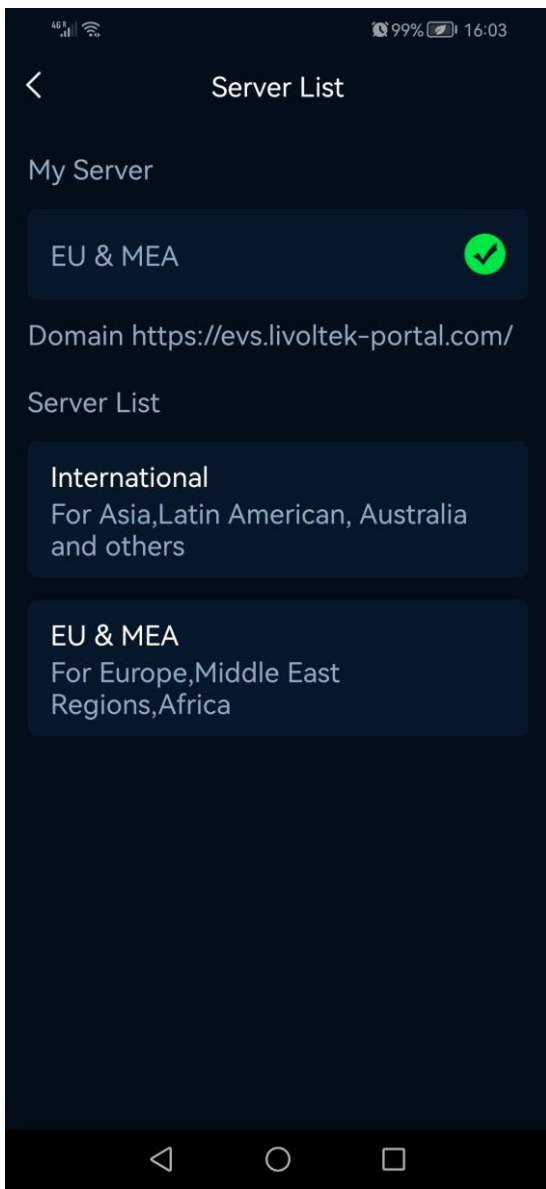
Once account is approved, log in from Livoltek app.

Tap Login Settings to check server information.



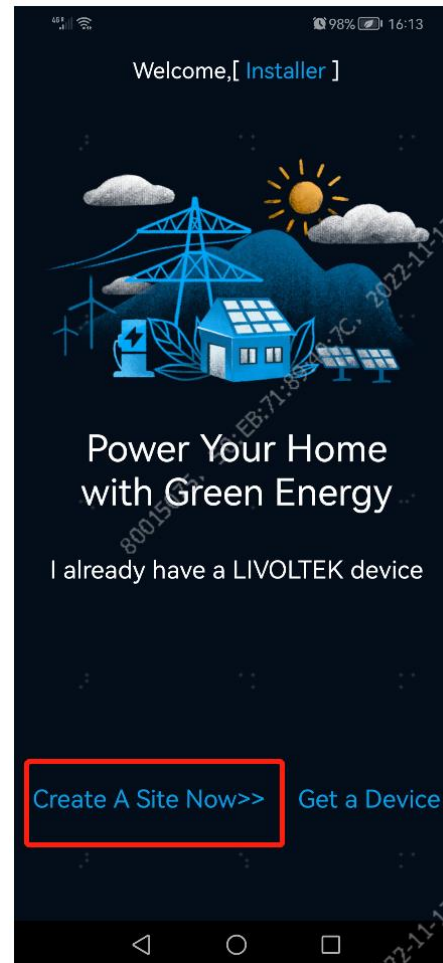
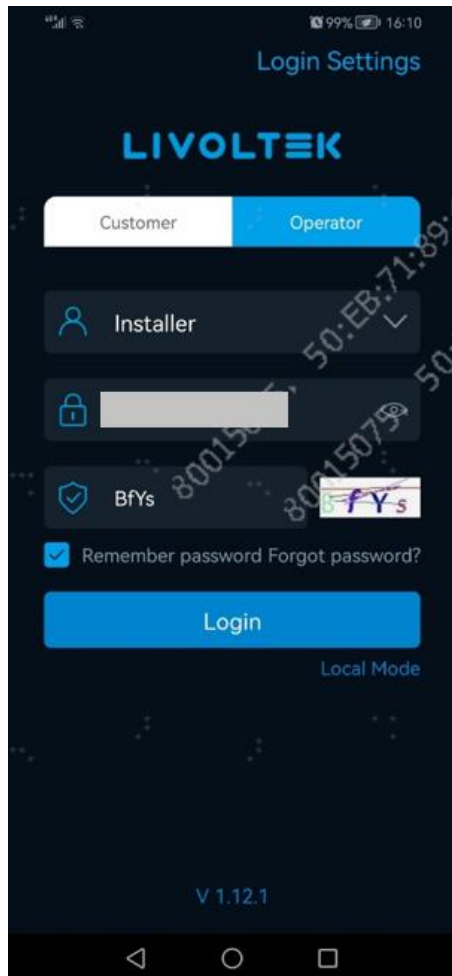
Tap Server List.

Make sure EU& MEA server is selected.



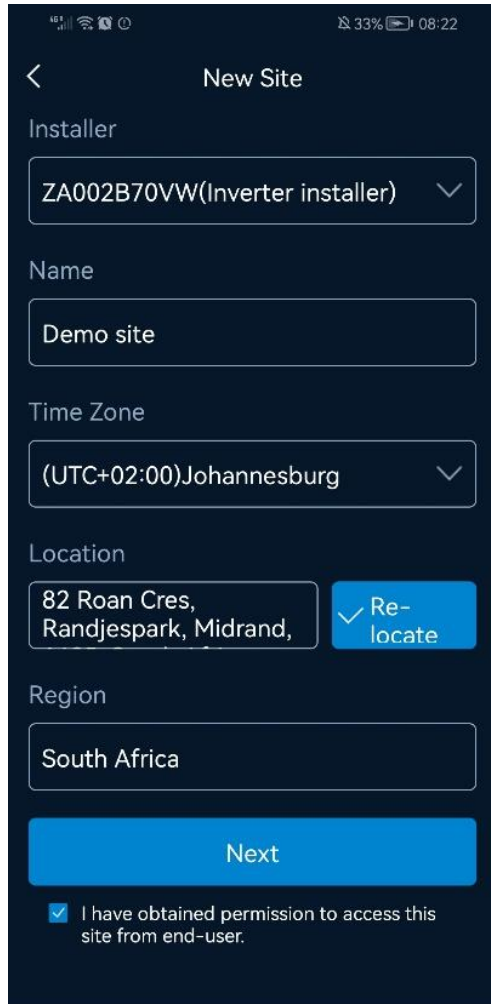
2.2 Site Creation

Go back to log in page, enter login account and password.



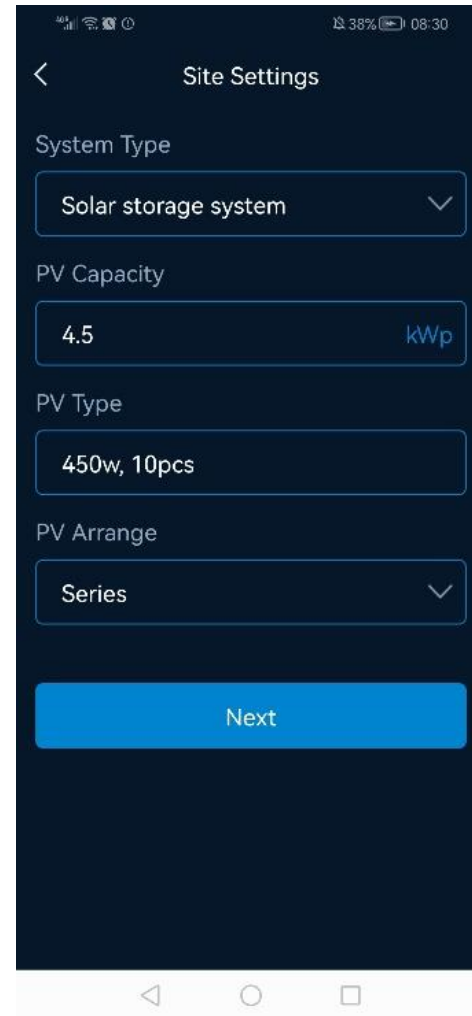
Tap create A Site Now>> to start site creation.

Fill out site Name, choose Time Zone and select Location to create a new site.



The screenshot shows the 'New Site' form with the following fields and values:

- Installer: ZA002B70VW(Inverter installer)
- Name: Demo site
- Time Zone: (UTC+02:00)Johannesburg
- Location: 82 Roan Cres, Randjespark, Midrand, with a 'Re-locate' button.
- Region: South Africa
- Next button
- Checkbox: I have obtained permission to access this site from end-user.



The screenshot shows the 'Site Settings' form with the following fields and values:

- System Type: Solar storage system
- PV Capacity: 4.5 kWp
- PV Type: 450w, 10pcs
- PV Arrange: Series
- Next button

Choose **Solar Storage system** in System Type.

Enter required details for PV panels.

In case there are no PV panels installed at the customer's house, enter 0 for PV Capacity.

The screenshot shows a mobile application interface for 'Site Settings'. At the top, there is a back arrow and the title 'Site Settings'. Below this, the 'System Type' is set to 'Solar storage system'. The 'PV Capacity' field is highlighted with a red box and contains the value '0 kWp'. Below this, the 'PV Type' field contains the text 'Fill in like BS72M-400W, 10PCS'. The 'PV Arrange' field is empty. At the bottom, there is a blue 'Next' button. The status bar at the top shows 75% battery and the time 12:49.

Choose South African currency **R (ZAR)**, select Feed-in tariff start time and stop time, and enter price. Tap + icon to add schedules if required. Same as Self-use Tariff.

If customer does not know the price, leave it as zero (0.0).

Then tap Next to proceed.

【Feed-in Tariff】 The price to send renewable energy to national electricity utility.

【Self-use Tariff】 The price to buy power from national electricity utility.

4G+ 96% 16:27

< Tariff Settings

Please select the currency

R(ZAR) ▾

Feed-in Tariff +

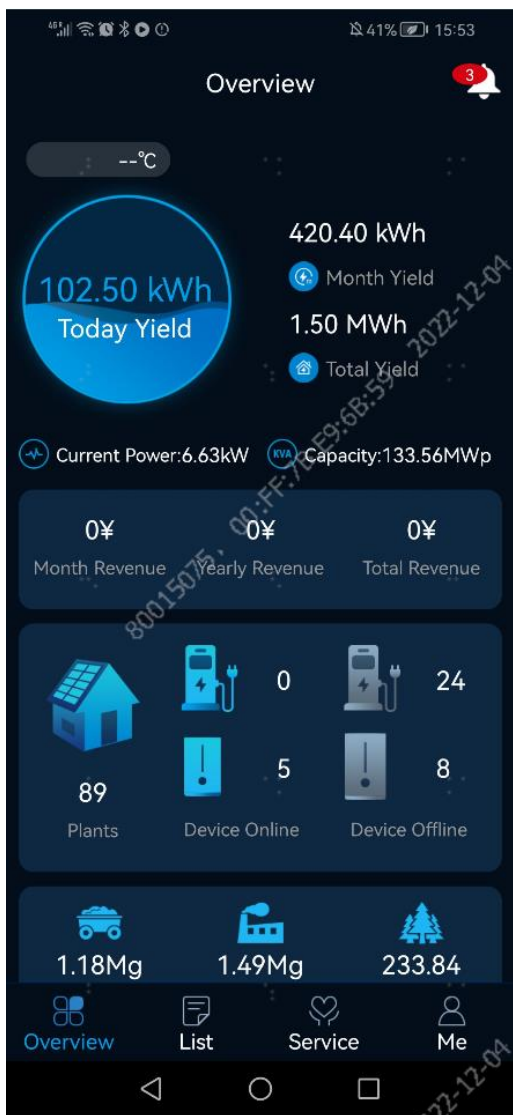
Start Time	Stop Time	Price
00:00	24:00	0.0 ▾

Self-use Tariff +

Start Time	Stop Time	Price
00:00	24:00	0.0 ▾


Next

App will calculate revenue after entered tariff.



Select South Africa for Owner Region,

Select End Customer Account, please note this account is required to be registered in EU&MEA server, otherwise the account will NOT be found.

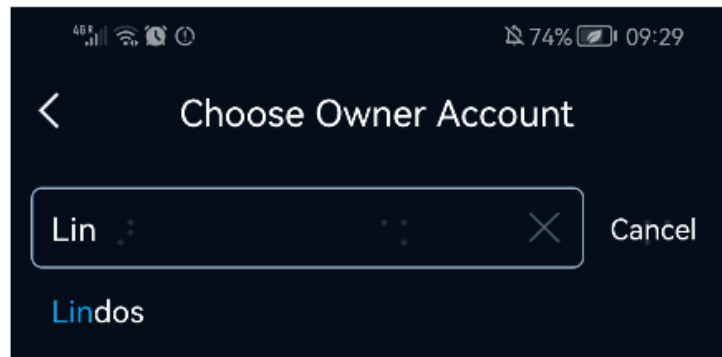
Tap  to select end customer login account.



Enter end customer login account at the column.



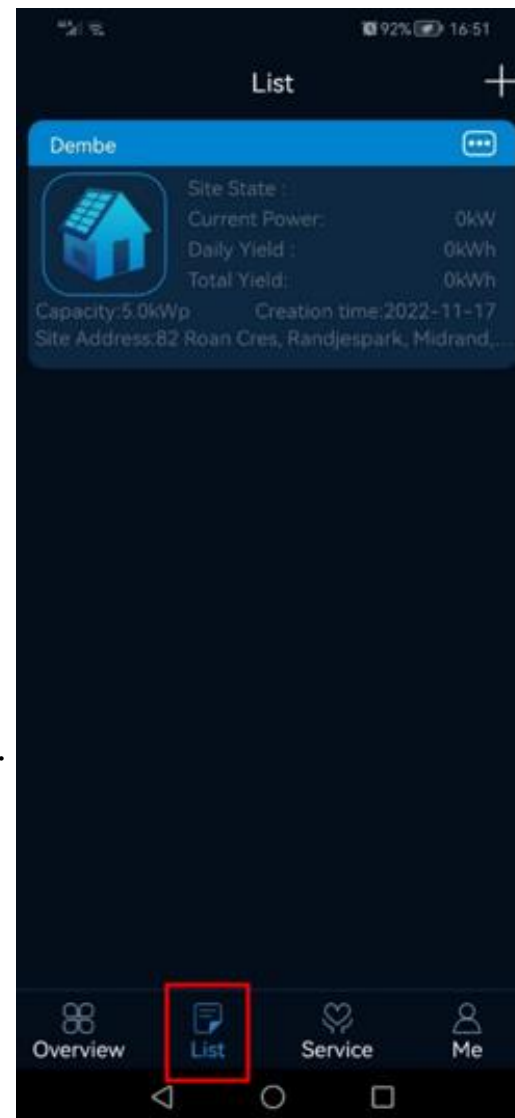
Please enter correct uppercase and lowercase letters to find end customer's log in account.



Tap Confirm to proceed.



Now a site is created successfully, congratulations!



The site is visible at List page.

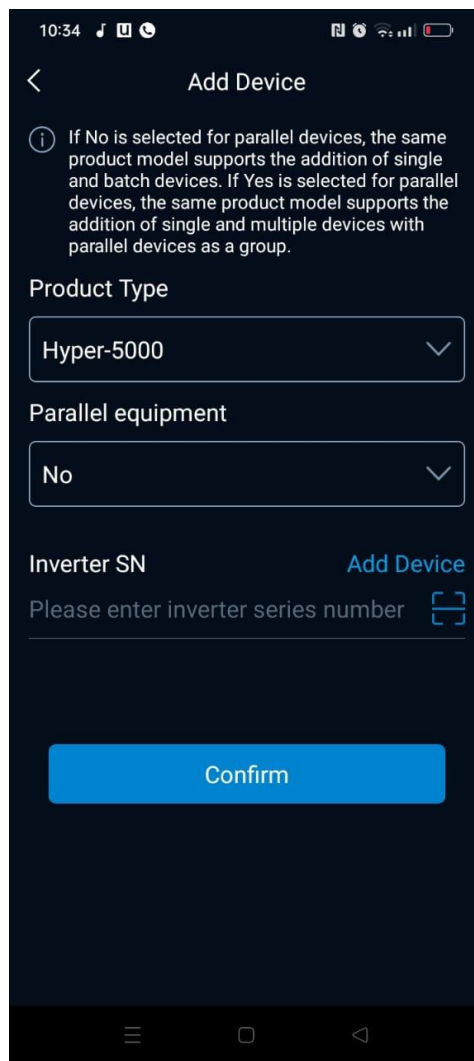
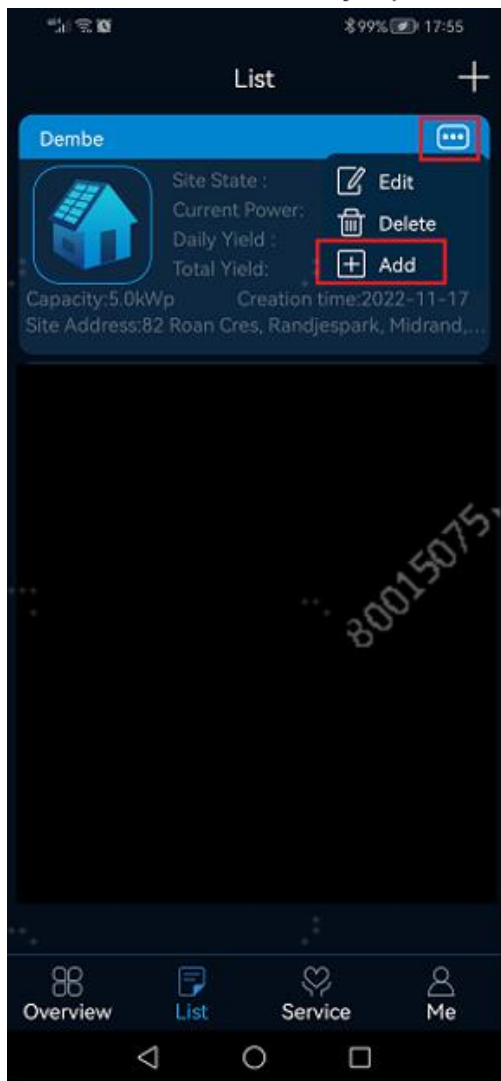
Tap + at the upper right corner to add more sites when necessary.


The steps are same as above.

3. Add Device

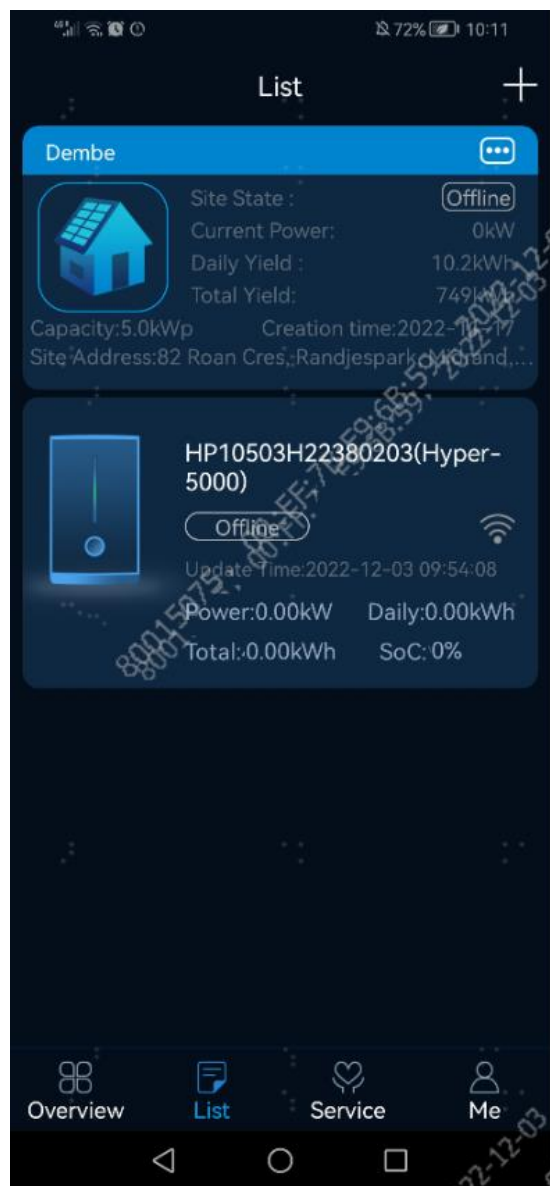
3.1 Complete device information

Add a device to the site by tap  then choose +Add.



Select Hyper-5000 for Product Type, choose No for Parallel equipment and enter or scan the inverter serial number by tap  then Confirm to proceed.

The device is added to the site successfully.

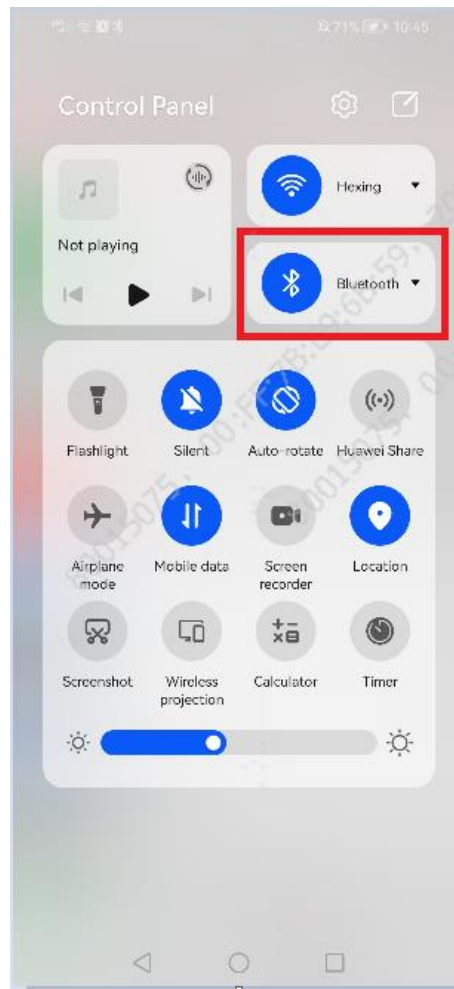


3.2 Bluetooth connection

To check device current working status, please connect with the device via Bluetooth.

Swipe straight downward the smart phone's screen to pull down the Control Panel

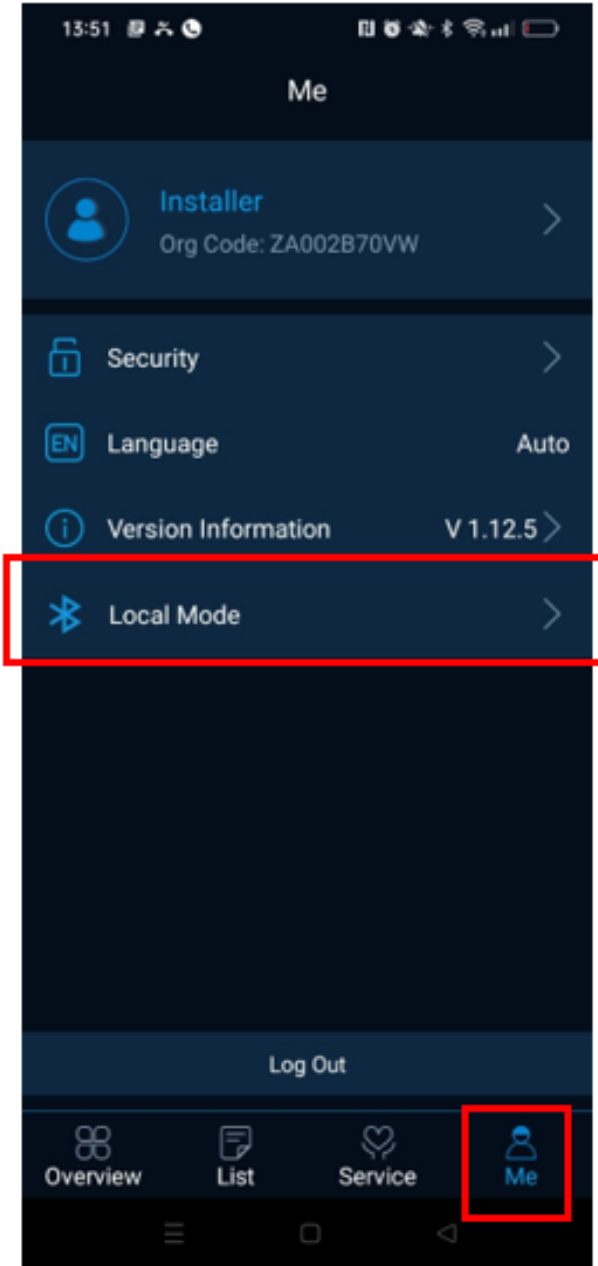
then turn on Bluetooth.



【Note】
Blue tooth module and Wi-Fi module are integrated inside of this Wi-Fi dongle.

Ensure the Power/BT light at the Wi-Fi dongle is in stable green, if not, press Reset button to reset the Wi-Fi dongle, or take out of the dongle then plug in again.

Go to Me tab, then Local mode.



Select Bluetooth Mode.

Click on BLE-HP-XXXXXX, the last 6 digits of the device serial number.

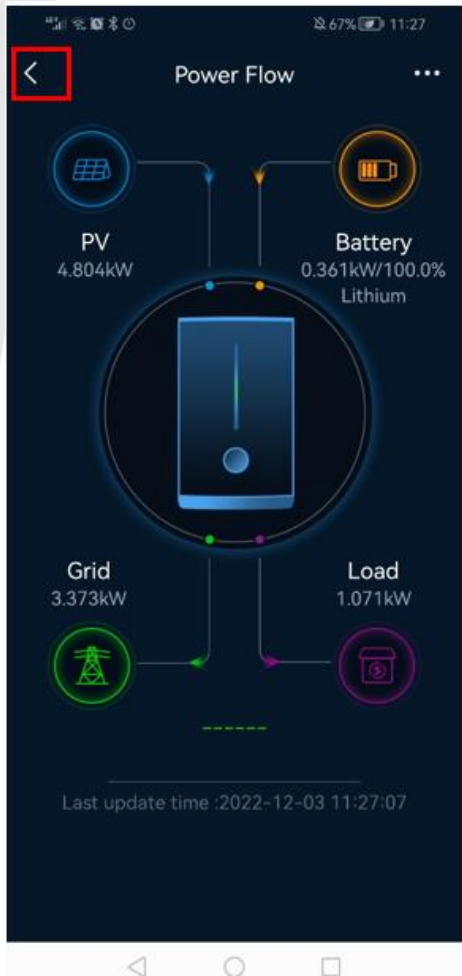
【Example】


Device serial number is HP10503H22380203

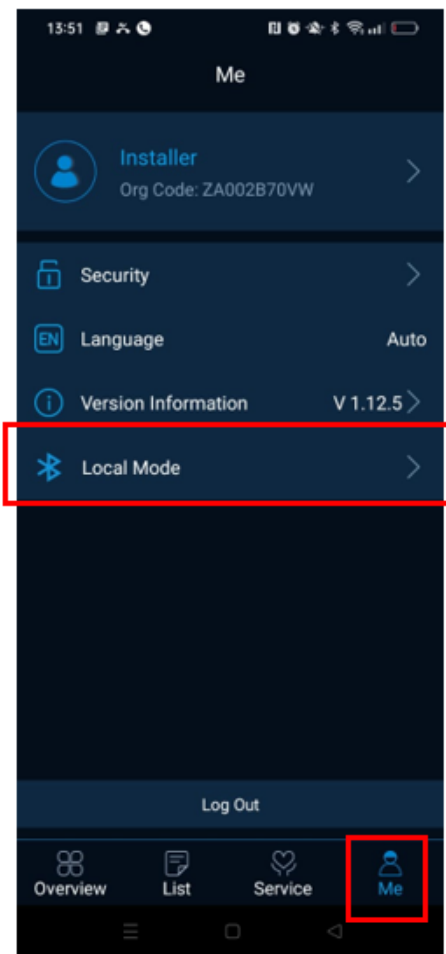
Device Bluetooth name is BLE-HP-380203



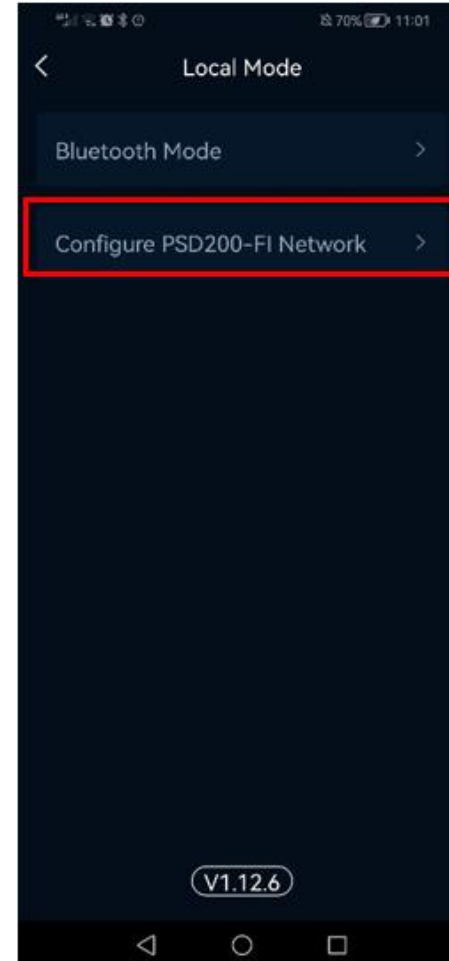
Power Flow shows current energy power data after bluetooth is connected successfully.



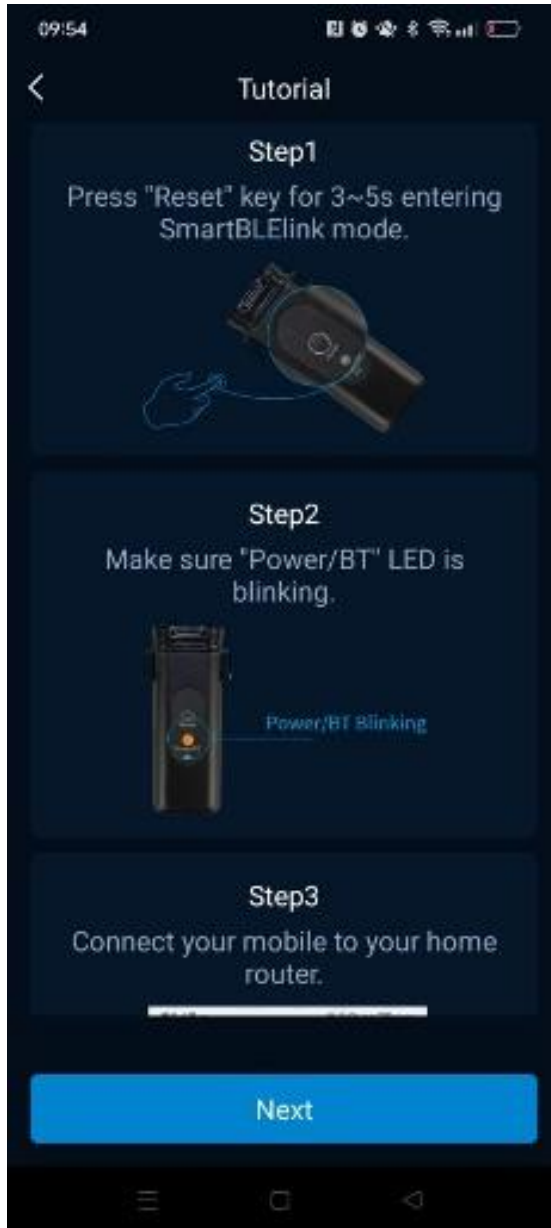
Tap the back arrow .



Go to Me Tab to select Local mode.



Select **Configure PSD200-FI Network**.



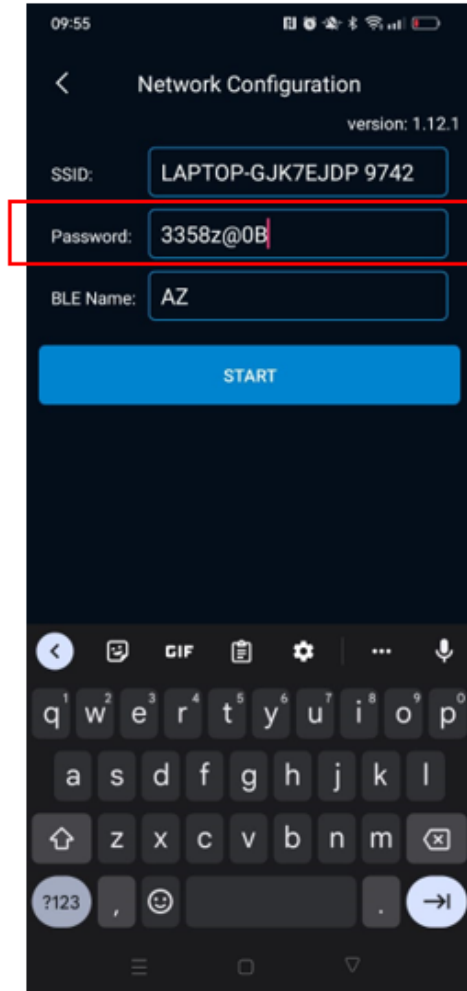
Customer's Wi-Fi name is automatically displayed as SSID.

Please enter Wi-Fi password.

Then tap **START**.

【Note】

Please connect 2.4 GHz Wi-Fi instead of 5G.

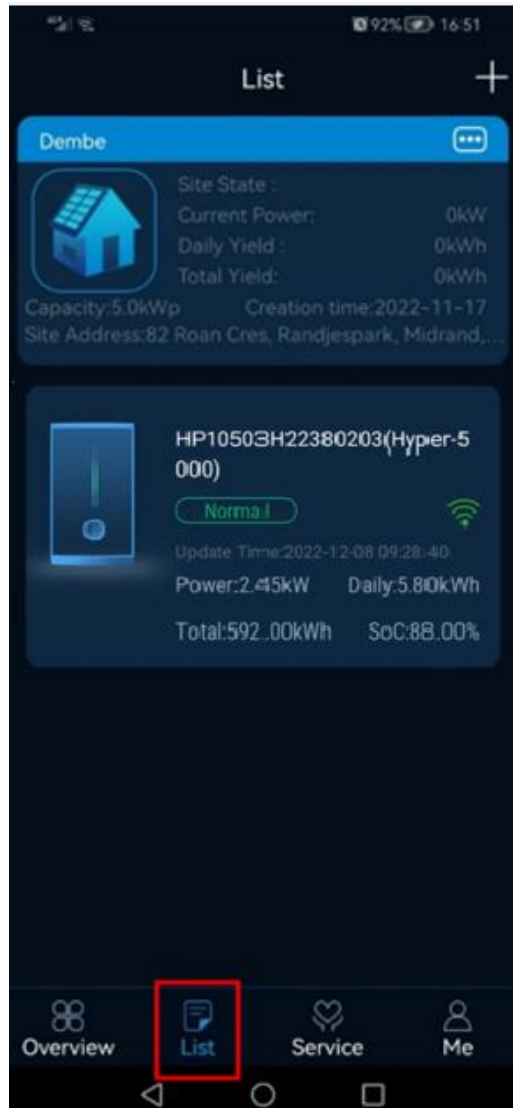


Wi-Fi connection is successful.



Once Wi-Fi connection is successful, WiFi light turns to red.

Tap the **List** tab and you will see the device is online, tap it.



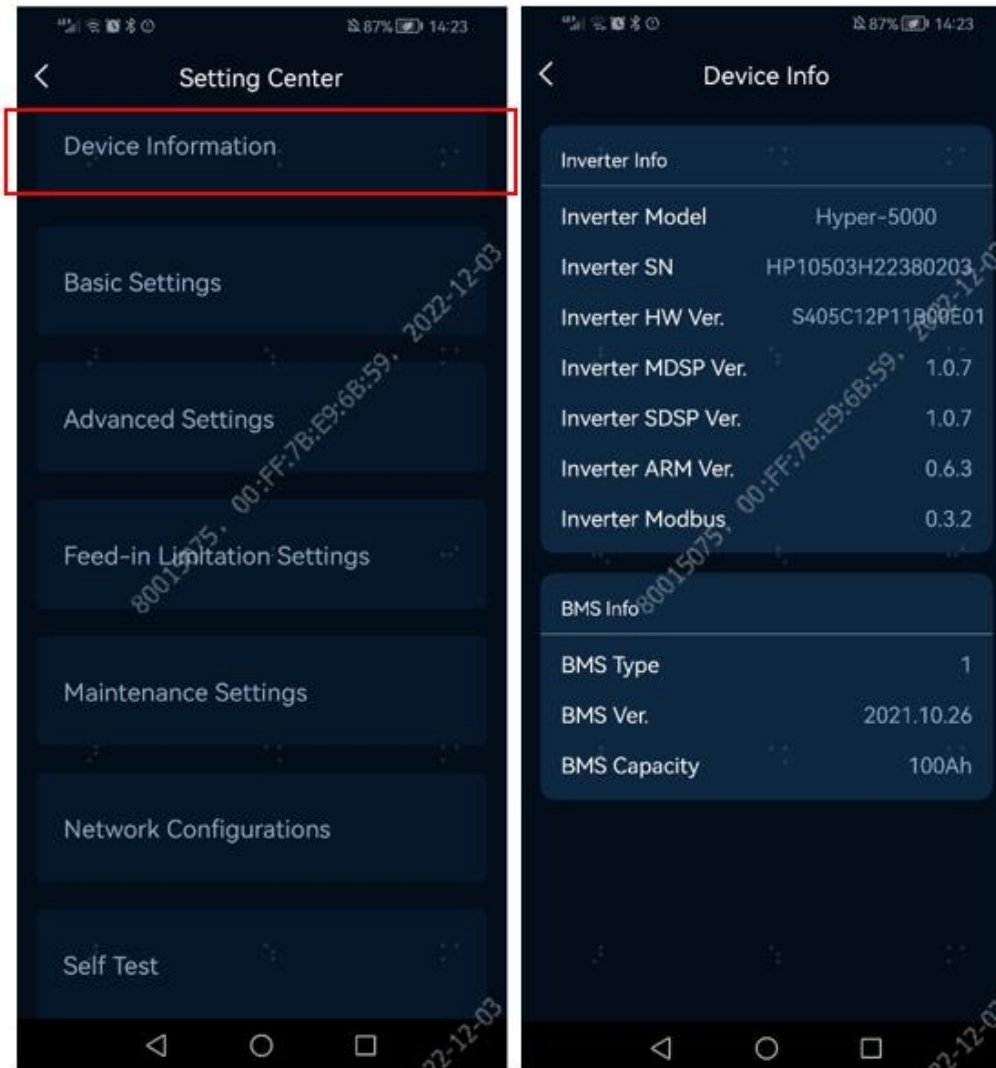
Then you will see the energy flow page.

4. Settings

a) Parameters

【Device Information】

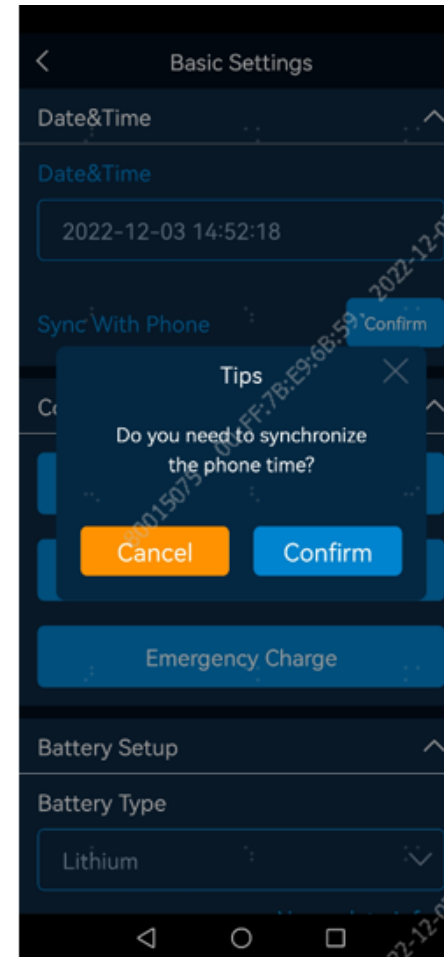
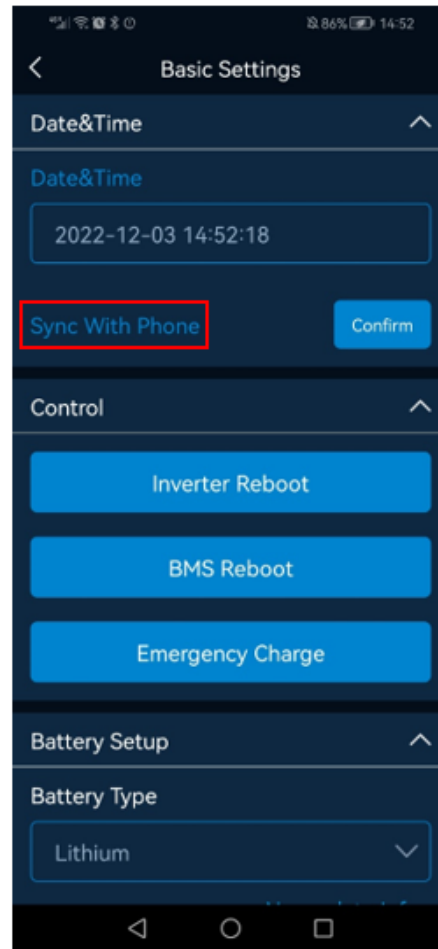
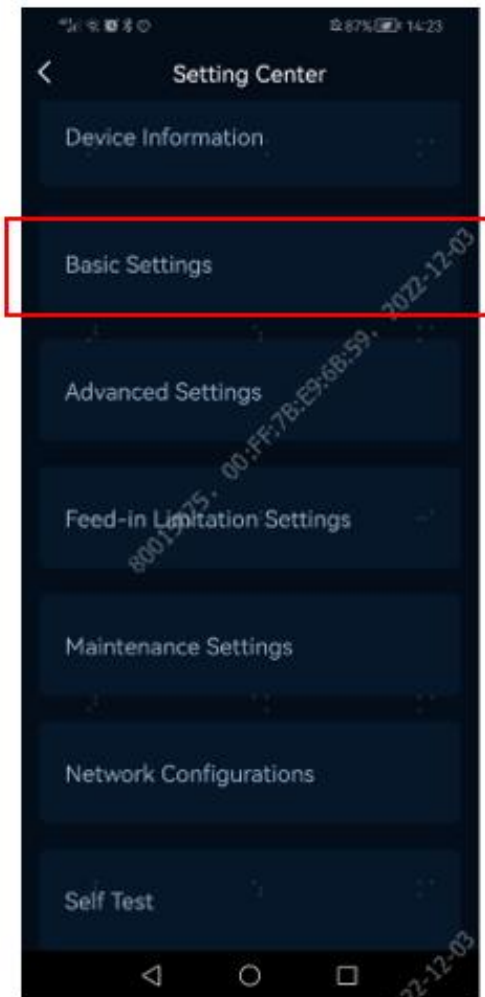
At Setting Center page, select Device Information.



Device model, serial number and firmware version as well as battery version are displayed in Device Info page.

【Basic Settings】

Select Basic Settings.



Check Date&Time. If it is NOT correct, tap Sync With Phone and Confirm.

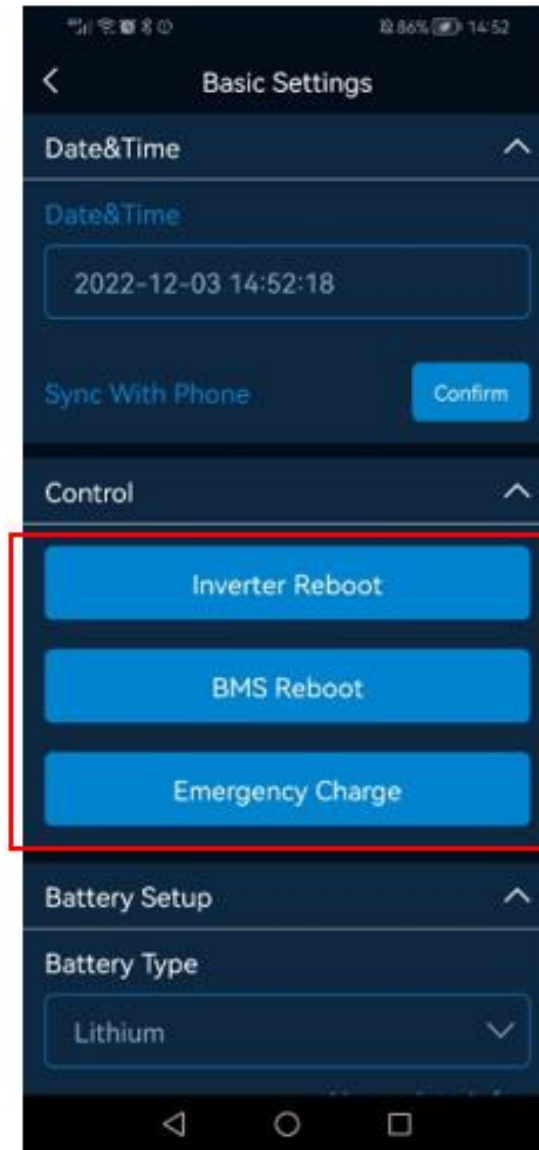
At Basic Settings page, user can reboot inverter or battery by tapping Inverter

Reboot or BMS Reboot.

Emergency Charge is to charge the battery with PV or Grid power regardless what work mode is selected. Please contact Livoltek technical support team.

【Note】

Please contact Livoltek technician when emergency charge is required.



Discharge End SOC@GRID:

Battery discharge end of SOC when there is electricity from grid.

Discharge End SOC@EPS:

Battery discharge end of SOC when load shedding happens.

Work Mode:

Self-use: PV provide power to home appliances and send extra power to charge battery. At this mode, grid will not charge battery.

We suggest to choose this mode for customers who has enough PV panels to provide power for both home appliances and battery charging.

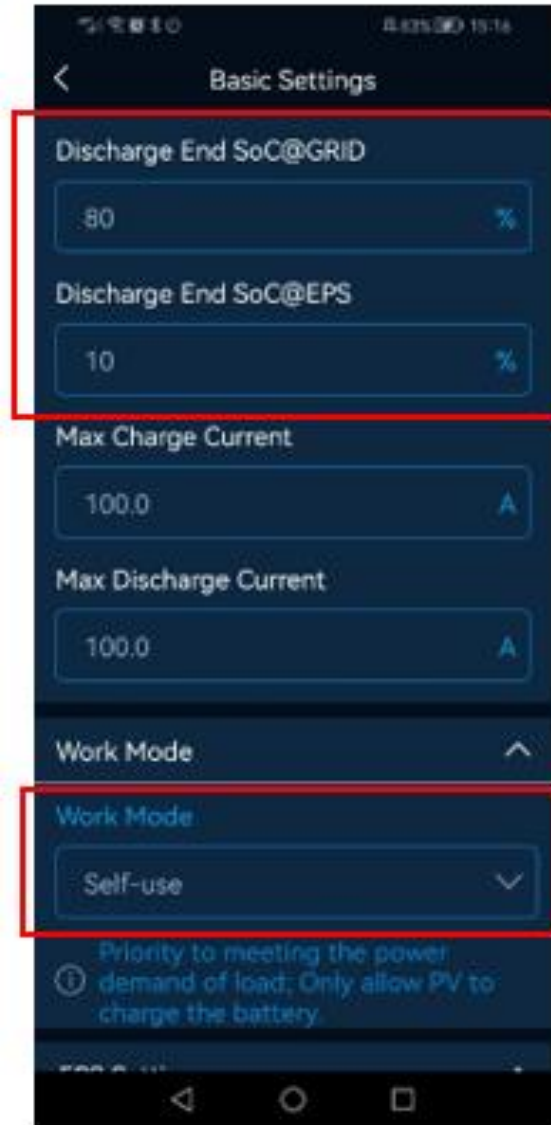
Back-up: When the battery SOC is less than Discharge End SOC@GRID, PV or PV plus grid will charge battery. After battery SOC reaches to Discharge End SOC@GRID system works in Self-use mode.

We suggest to choose this mode for customer who does not have enough PV and load shedding happens frequently.

Self-define: Set up to two timers to charge battery.

【Note】

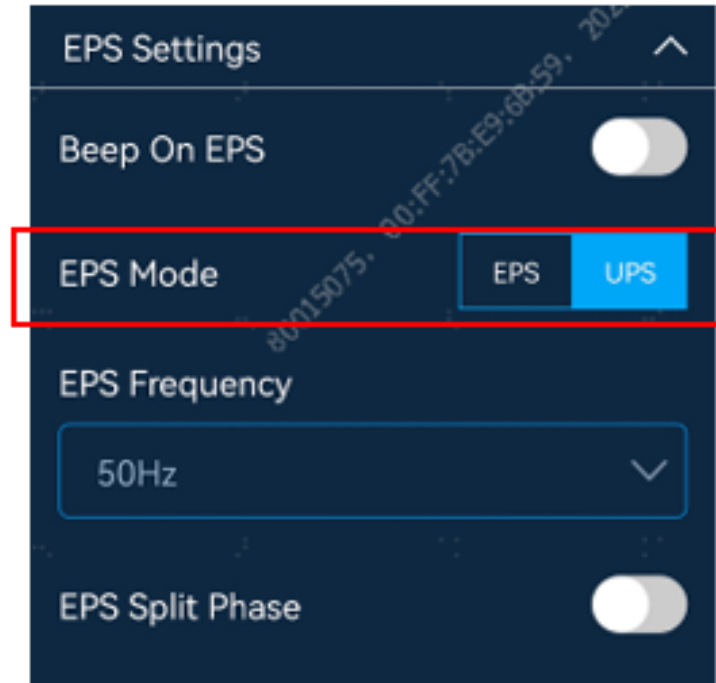
After changed work mode, please check whether Discharge End SOC@GRID and Discharge End SOC@EPS are changed or not. Please enter the proper value to meet customer's requirement.



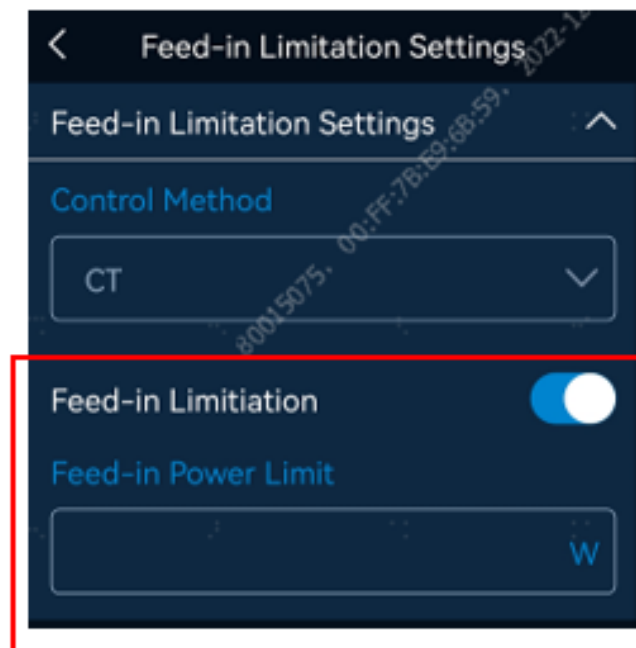
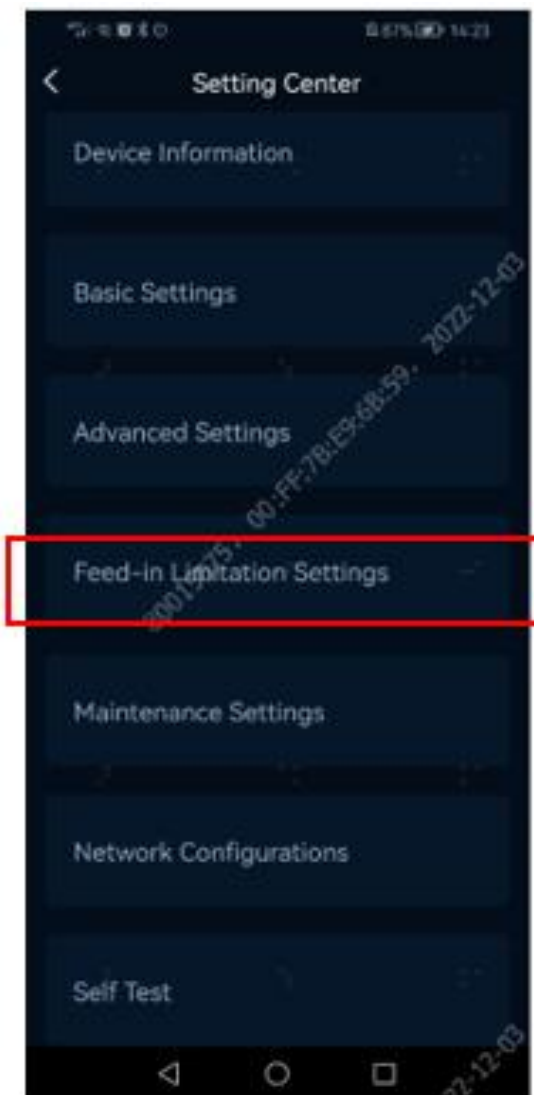
EPS Settings

EPS: When there is electricity power from national grid, appliances connected as EPS load will NOT have power.

UPS: Regardless load shedding happens or not, power generated from the inverter will send to EPS load.



【Feed-in Limitation Settings】



Turn on Feed-in Limitation to enter the value of power that is allowed to feed to national grid.

Enter 100 at Feed-in Limitation when electrical power is NOT allowed to send to national grid according to local policy.

Choose CT for Control Method.



Tap Restart to perform the CT test after installation is finished.

Please ensure:

1. Battery is turned on and inverter is connected with grid
2. CT test cannot be done when load shedding happens
3. PV is switched off
4. EPS Loads are turned off

5. Scenarios

a) Case 1

There is no PV panel installed at customer's estate.

Load shedding happens multiple times a day.

Recommend settings: back-up work mode

Discharge End SOC@GRID 100%

Discharge End SOC@EPS 10%

b) Case 2

PV panels are installed and generates plenty of power after providing electricity to appliances.

Load shedding happens multiple times a day.

Recommend settings: Self use mode

Discharge End SOC@GRID 50%

Discharge End SOC@EPS 10%

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info@spazio.co.za
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Thank
you!