



FREEDOM WON APP USER MANUAL



This manual specifically covers the Freedom Won App.
For a comprehensive overview of Freedom Won product ranges, visit www.freedomwon.co.za

Amendment Record

Revision	Update Summary	Updated By	Date of Issue
1.0	Initial release - Freedom Won App User Manual	Kgotso Kobo	18 August 2026

Table of Contents

1. Introduction.....	4
2. Download and Installation	4
2.1. Downloading on Android Device	4
2.2. Downloading on iOS Device.....	5
3. App Settings.....	5
3.1. Permission Settings	5
3.2. Account registration	5
3.2.1. Logging into the App	7
3.2.2. Account cancellation.....	8
4. Device Management	9
4.1. Adding a Device Via Bluetooth	10
4.2. Wi-Fi Configuration.....	11
4.2.1. Add a Battery to Your Account	11
4.3. Changes to added batteries	13
4.4. OTA Firmware Update	15
4.5. Battery Summary Page	15
4.5.1. Details Tab.....	15
4.5.2. Parameters tab	17
5. Technical Support	19
5.1. Log a Support Ticket	19

List of Figures

Figure 2-1: Freedom Won App QR Code (Google Play Store)	4
Figure 2-2: Freedom Won App QR Code (Apple App Store).....	5
Figure 3-1: Account Registration.....	6
Figure 3-2: Verification Code Email.....	6
Figure 3-3: Logging In.....	8
Figure 3-4: Account Cancellation	9
Figure 4-1: Homepage	9
Figure 4-2: Adding a Device	10
Figure 4-3: Summary Page	11
Figure 4-4: Entering Wi-Fi SSID and password.....	12
Figure 4-5: Device list page	13
Figure 4-6: Battery edit menu	14
Figure 4-7: Battery sharing QR code	14
Figure 4-8: Basic info and Cell info	16
Figure 4-9: Parameter tab	18
Figure 5-1: Log a support ticket	19

1. Introduction

The Freedom Won app, which is available for Android and iOS devices, is built to simplify how installers access, deploy and manage the Freedom won Batteries with integrated Bluetooth and Wi-Fi.

The app onboards the compatible Freedom Won battery models by using Bluetooth to establish a connection to the battery and setting up the Wi-Fi interface for internet connectivity.

Once the battery is successfully connected to the Wi-Fi, the app can be used to onboard, configure and remotely monitor the compatible Freedom Won battery products.

The following battery models are supported by the Freedom Won App:

ENVA Range

- ENVA 5
- ENVA 16

eTower

- eTower 2

2. Download and Installation

Based on your mobile operating system, follow the instructions below to download the Freedom Won app. The QR codes are supplied to make it easier for Android and iOS device users to download the app.

2.1. Downloading on Android Device

Android Devices: Search for the Freedom Won App on Google Play Store or scan the QR code to download and install the app.



Figure 2-1: Freedom Won App QR Code (Google Play Store)

2.2. Downloading on iOS Device

iOS Devices: Search for the Freedom Won app in the Apple Store App or scan the QR code to download and install.



Figure 2-2: Freedom Won App QR Code (Apple App Store)

3. App Settings

3.1. Permission Settings

After installing the Freedom Won App, tap the app icon (📲) to launch the app. Upon first launch, the App will request the user to confirm and grant the following permissions:

Camera Permission:

This is required to grant the Freedom Won app use of the device's camera for scanning QR codes.

Location permission:

This is required during Bluetooth scanning, to use nearby Bluetooth signals to approximate your physical location. Apps need this permission to discover and pair with nearby devices.

Device Status Information:

This is required to grant the Freedom Won app permission to read basic details about your phone, such as Bluetooth name, network type, signal strength and call status.

Photos and Audio Permission:

This is required to grant the Freedom Won app the ability to read and modify image files stored in your device's gallery.

3.2. Account registration

Your login details ensure that your settings, devices and personal information remain secure and accessible across different devices. Upon accessing the app for the first time, you can set up your login details through either of the two following methods:

Method 1: Manual Account Registration - Follow the account registration steps illustrated in Figure 3-1 and listed below.

1. Tap on the "Me" icon (👤) located on the bottom right side of the home screen.
2. Tap the "Log in" button.
3. Tap the "Register" button and enter the required email address and password information.

4. Tap "Get code" and you will receive an auto-generated verification code via e-mail (shown in Figure 3-2 below). The verification code must be entered before registration can be completed.
5. After entering the registration code, tap on "accept privacy policy" then select "Register".

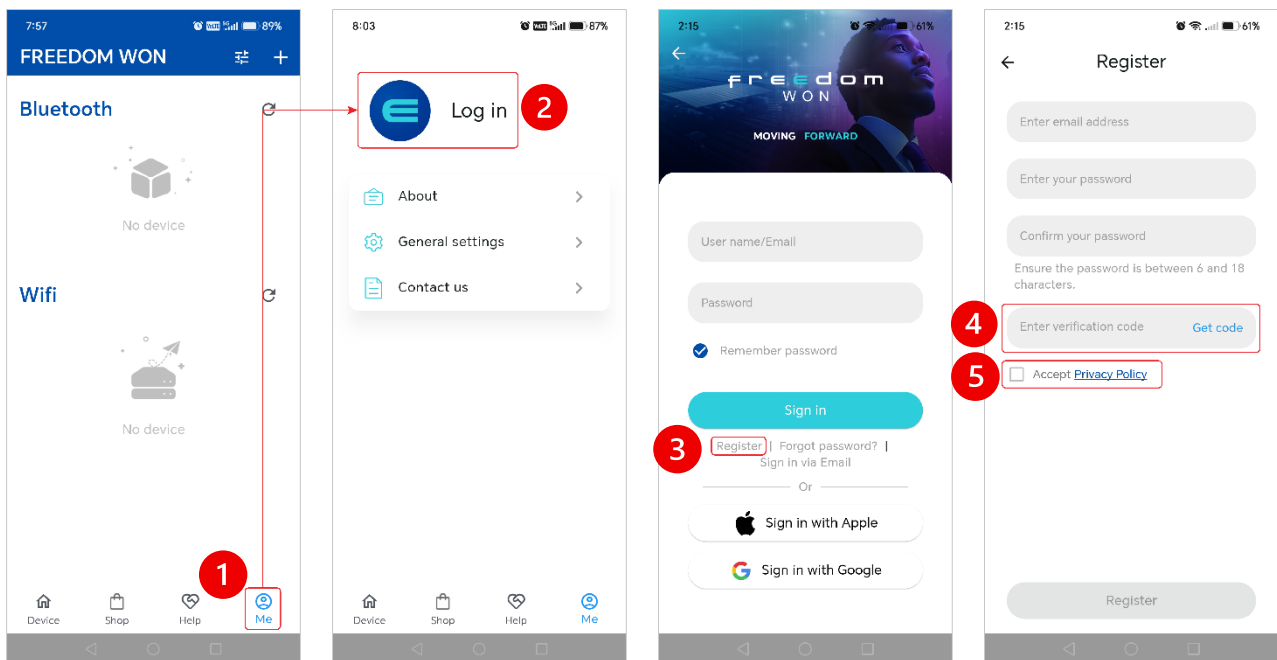


Figure 3-1: Account Registration

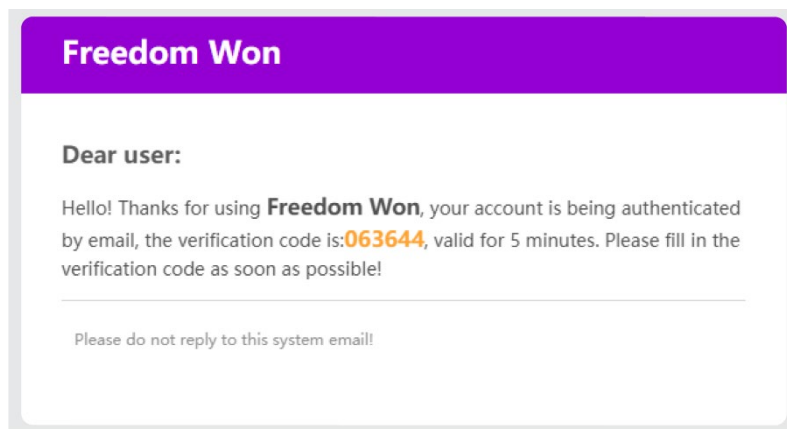


Figure 3-2: Verification Code Email

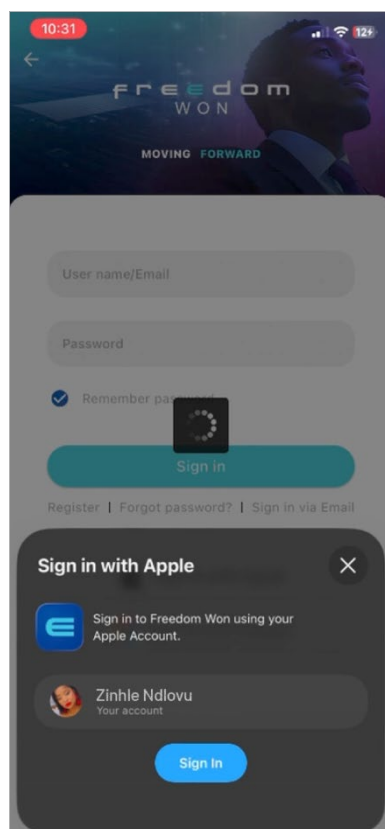
Method 2: Apple/Google Registration - Follow the account registration steps listed below:

1. Tap on the "Me" icon (👤) located on the bottom right side of the home screen.
2. Tap the "Log in" button.
3. Tap either "Sign-in with Apple" or "Sign-in with Google" button and follow the prompts as per the examples below.



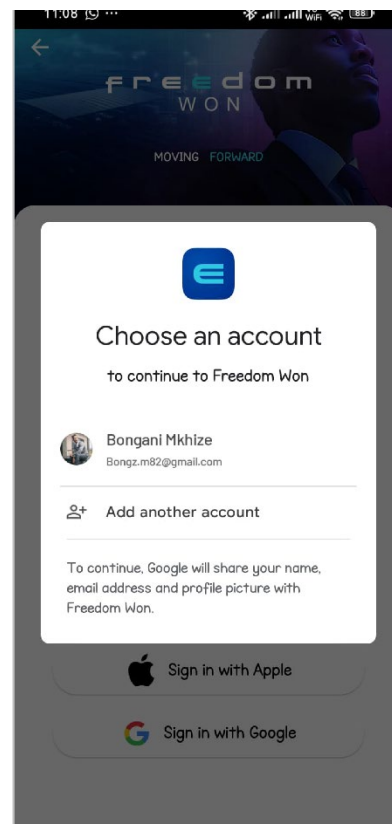
When signing in with Apple

The available Apple accounts on the device will be displayed for you to select.
Once the account is selected, you will be logged in automatically.



When signing in with Google

The available Google accounts on the device will be displayed for you to select.
Once the account is selected, you will be logged in automatically.



3.2.1. Logging into the App

To log into the app follow the steps below and as illustrated in Figure 3-3.

1. Tap on the "Me" icon (👤) located at the bottom right side of the home screen.
2. Tap on the "Log in" button as seen below and
3. Enter the details used during the account registration stage then confirm your log in by tapping the "Sign in" button OR sign in with your Apple / Google account.

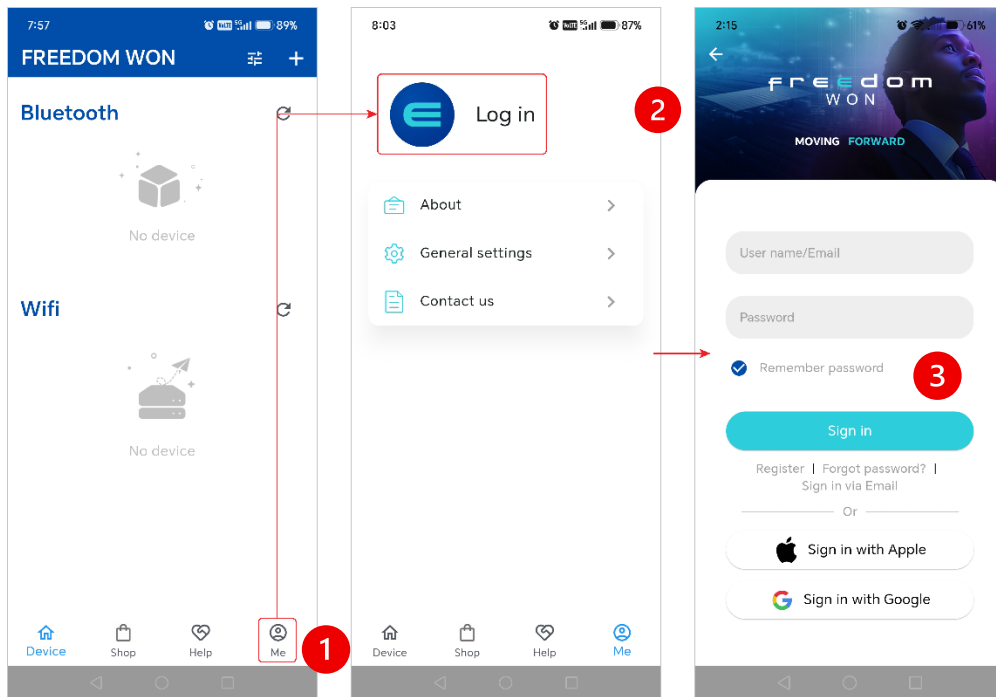


Figure 3-3: Logging In

3.2.2. Account cancellation

Note

Once an account is cancelled, all related information and added batteries on the account will be cleared. Should any use of the app be desired in future. Sign up will be required.

To cancel your account, follow the steps below and as illustrated in Figure 3-4.

1. Tap on the "Me" icon (Ⓔ) to open the profile menu.
2. Tap on your username.
3. The Personal Information screen will open with "Log out" and "Account Cancellation" options.

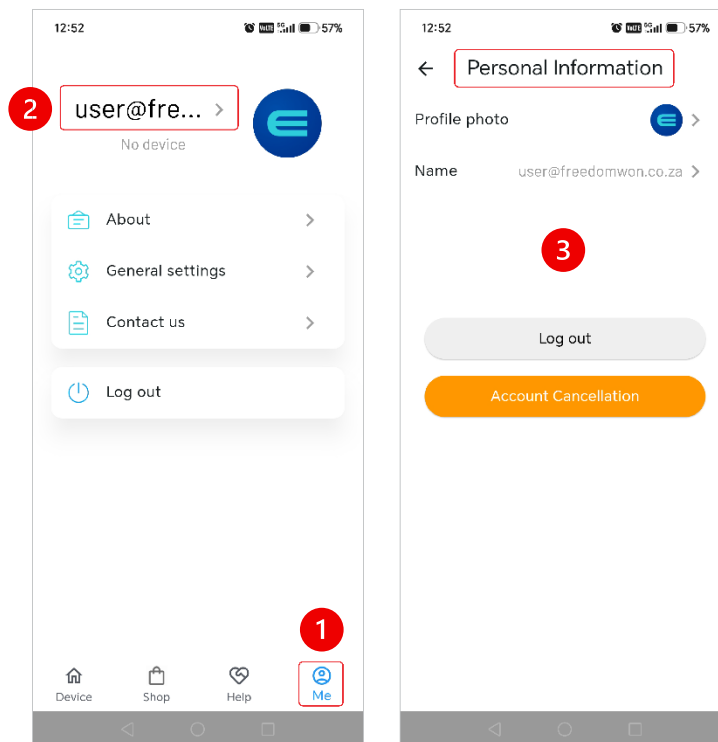


Figure 3-4: Account Cancellation

4. Device Management

The Freedom Won App hosts all your compatible Freedom Won batteries on a single platform and includes tools to simplify device configuration and remote monitoring. In this section we will guide you through onboarding your battery onto the app and connecting them to the site Wi-Fi.

The homepage displays batteries that have been previously paired with both Bluetooth and Wi-Fi. In the case of a new app installation, both windows will show 'No device'.

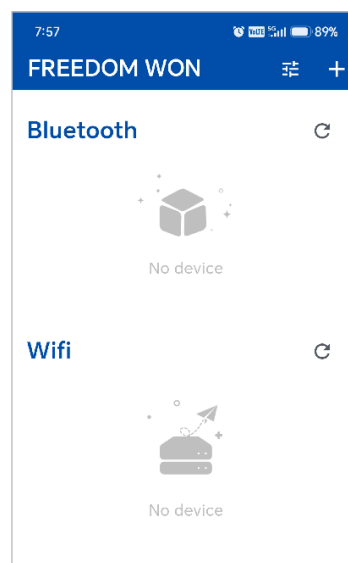


Figure 4-1: Homepage

Bluetooth: The app directly searches for nearby Bluetooth signals. Once paired, the connection remains stored under the phone Bluetooth devices. The Bluetooth pairing allows local access to the battery without the need for account login or a site invitation.

Wi-Fi: Enables monitoring and control of the battery even when not in the same geographic location. It requires account registration and login, with device account pairing credentials or an invitation. Network configuration is also required by following the steps in the next section.

4.1. Adding a Device Via Bluetooth

When adding a device via Bluetooth, the following two options are available.

To add a device via Bluetooth, tap the '+' button on the Homepage and then select 'Add Device'. Each battery may need to be restarted to enable Bluetooth discovery. Once the device has been found, select the target device from the available devices list to add it. The battery will appear on your paired Bluetooth devices list in the app.

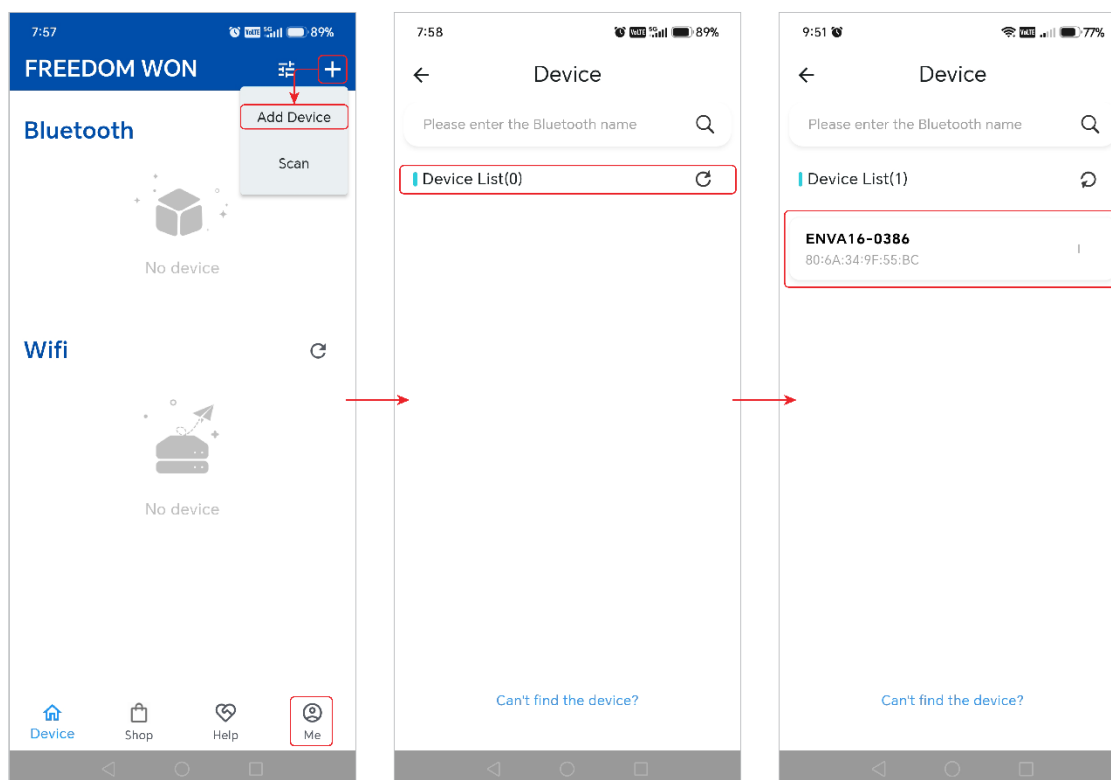


Figure 4-2: Adding a Device

To add a device using the QR code provided on the side of the battery, tap the '+' button on the Homepage and then select 'Scan'. Scan the QR code and the battery will appear in your paired Bluetooth devices list in the app.

4.2. Wi-Fi Configuration

An account is required for linking your battery on Wi-Fi. If you already have an account, proceed with the steps below. Otherwise, proceed with the steps in section 3.2.

4.2.1. Add a Battery to Your Account

Step 1: Connect over Bluetooth

Ensure the battery is paired and connected to the phone over Bluetooth (as per section 3.1) before attempting to set up the Wi-Fi. Select the device from the Bluetooth list, which will take you to the device 'Summary' page, as per Figure 4-3 below.

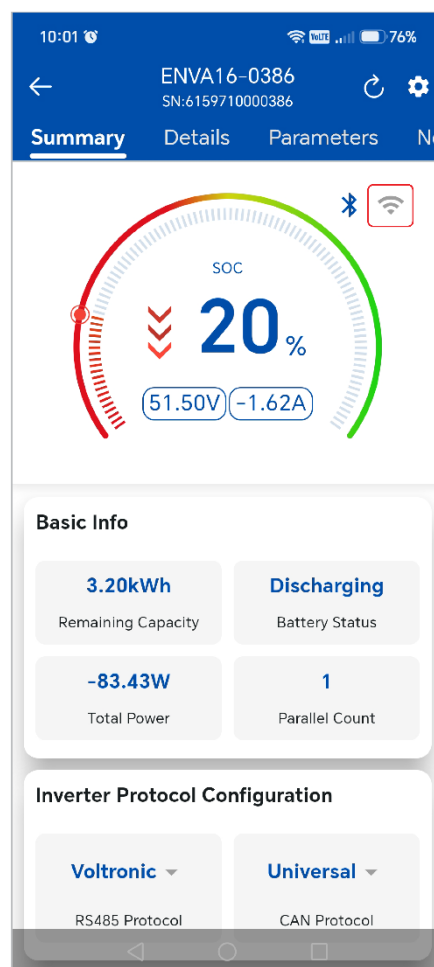


Figure 4-3: Summary Page

Step 2: Connect over Wi-Fi

Select the Wi-Fi symbol highlighted in Figure 4-3 above. The screen will appear as per Figure 4-4 below:

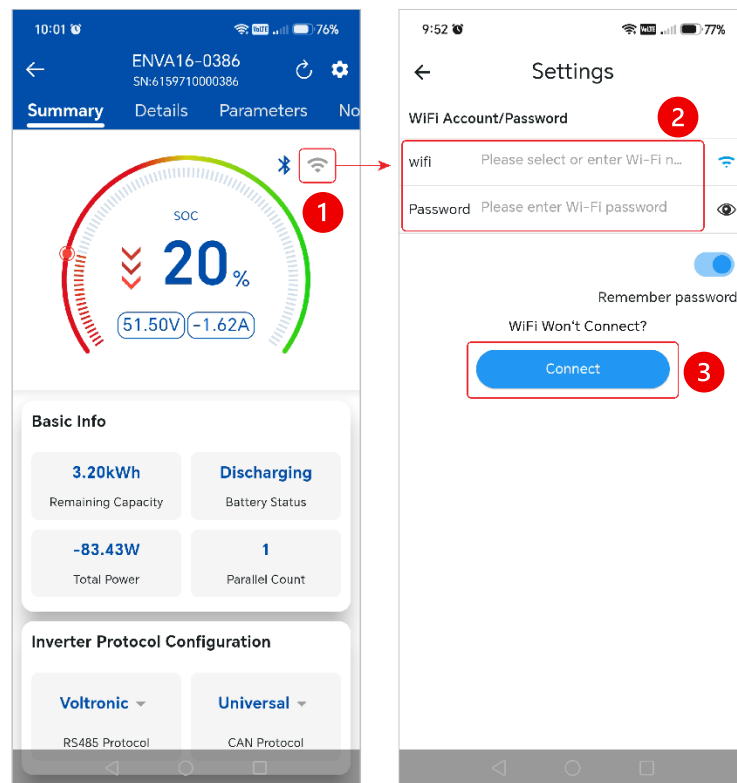


Figure 4-4: Entering Wi-Fi SSID and password

Enter the desired Wi-Fi name and password and then tap “Connect”. Wait for the registration process to be completed.

The app and device will automatically perform the following steps in the background:

- Connect device
- Configure network
- Upload device to the cloud
- Pair device

The Wi-Fi connection process may stall at one of the above background steps if there is no internet access through the Wi-Fi access point.

Note: An error message may appear if the device was previously connected to a different Wi-Fi SSID. Press and hold the reset button on the side of the battery for >12 seconds to reset to factory defaults. The SoC and other indicators will flash, and a beep will indicate that the reset is complete. Release the button once you’ve heard this beep. You can now proceed with “Step 2” again to connect to your new Wi-Fi SSID.

When the network configuration is complete, it will redirect to the Device list page. The connected battery will be listed as “online” under the Wi-Fi devices list as per example in Figure 4-5 below.

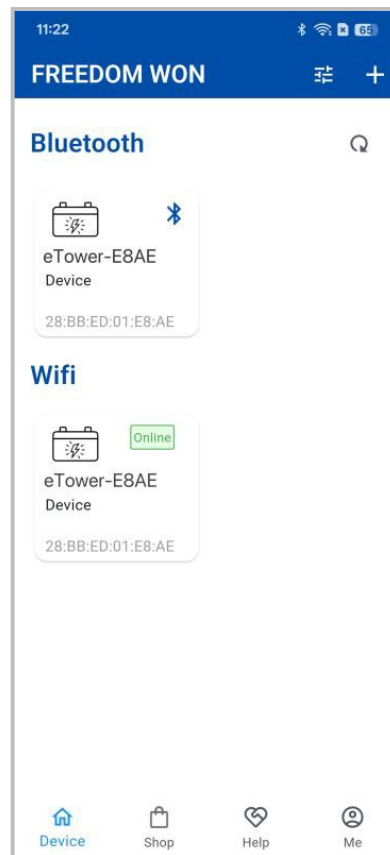


Figure 4-5: Device list page

Note

The phone must first be connected to the Wi-Fi network. The battery only supports 2.4GHz Wi-Fi.

4.3. Changes to added batteries

Once a battery is successfully added on the app, the following options are available. Change a battery name, share a battery and remove a battery. Follow the guidelines stipulated below for each option.

Change a battery name

Long press on the battery, the phone will vibrate and the edit menu will pop up at the bottom (*Figure 4-6 below*). Select rename to change the name of the battery.

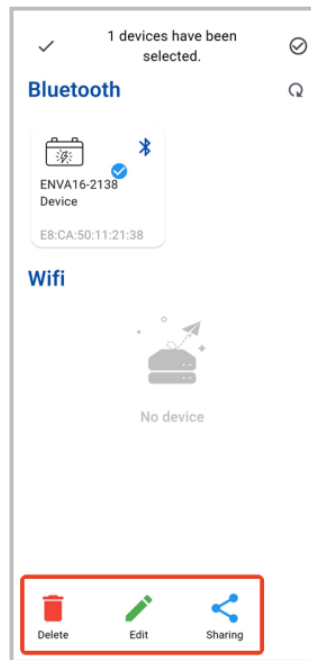


Figure 4-6: Battery edit menu

Share a battery

Long press on the battery you would like to share, the phone will vibrate and the edit menu will pop up at the bottom (*Figure 4-6 above*). Once you tap on share, the app will generate a QR code (*Figure 4-7 below*) for another user to scan to add the battery to their app. The QR code generated each time can only be scanned once, and has a validity period of 1 week.

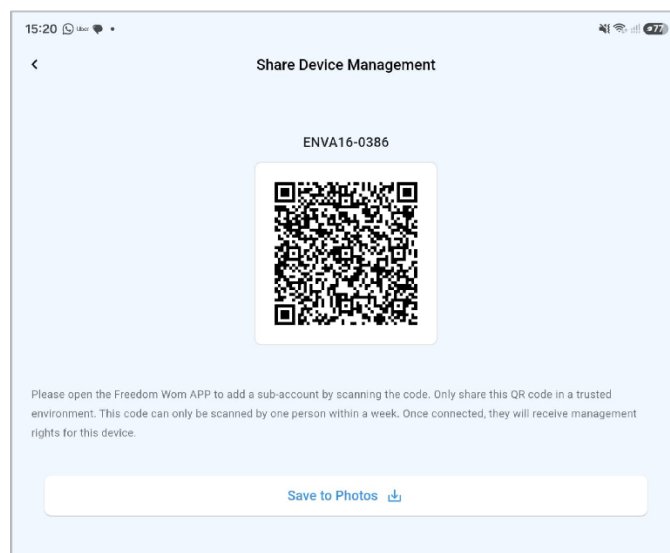


Figure 4-7: Battery sharing QR code

Note

Device administrators (the first user to adopt the battery on their app and connect it to a Wi-Fi network) are able to share a device multiple times. Non-administrators can only share a battery once.

Delete a battery

Long press on the battery you intend to delete, the phone will vibrate and the edit menu will pop up at the bottom (Figure 4-6 above). Select "delete" to delete the battery from your app.

Note

Deleting a battery will unpair the battery from your app and remove your access to remotely monitor and manage the deleted battery.

4.4. OTA Firmware Update

- When a new firmware version is available, the app will display an upgrade prompt when you select a device.
- Tap "Upgrade immediately" to begin, or "Upgrade next time" to skip for now.
- A progress bar will display during the upgrade. Do not close the app or navigate away from the update screen until the upgrade is complete.

Note

During firmware upgrade, do not exit from the app. Doing so may cause the upgrade to fail and could affect battery operation.

4.5. Battery Summary Page

The device summary page on the app presents the user with an instant, high-level overview of the battery's important vitals and overall operation status at a single glance. This page contains two tabs: "Details" and "Parameters" which are explained below.

4.5.1. Details Tab

The details tab is made up of the following sub-tabs "Basic info" and "Cell info" as seen in Figure 4-8 below.

Basic Info:

SOC (State of Charge) Percentage [%]
Pack Voltage [V]
Current [A]
Design Capacity [AH]
Full Capacity [AH]
Remaining Capacity [AH]
Battery Cycle Count
Highest Cell Volt [V]
Lowest Cell Volt [V]

Cell Info:

Cell Temperature Average
Cell Balancing Status
Individual Cell Voltages [V]

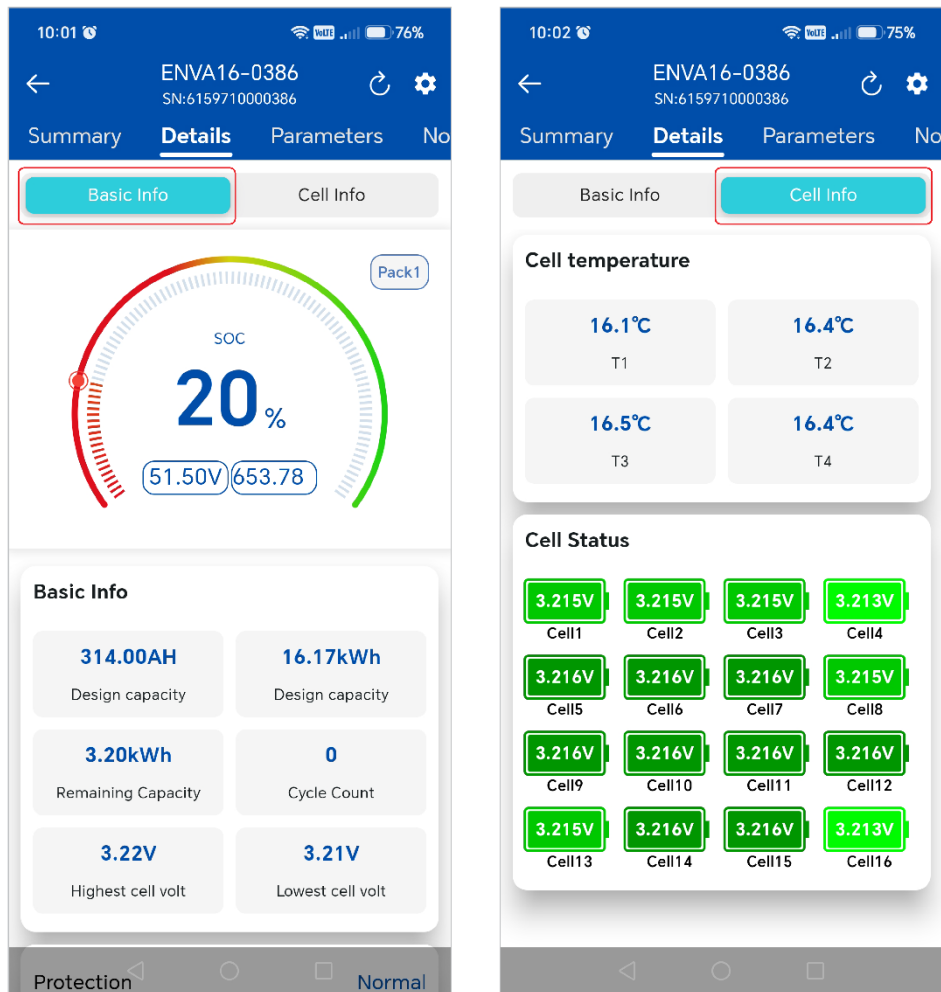


Figure 4-8: Basic info and Cell info

4.5.2. Parameters tab

The 'Parameters' tab (*Figure 4-9 below*) displays the following information:

- Pack quantity: This number will display the total quantity of batteries (packs) connected in a parallel link.
- Pack remaining capacity [mAh]: The energy capacity currently stored in the pack.
- Pack full charge capacity [mAh]: The capacity the BMS currently measures as "100%" for this pack.
- Pack design capacity [mAh]: The nominal/rated capacity the pack was built to deliver when new, per the manufacturer's spec.
- State of Charge (SoC) [%]: An estimate of how full the battery pack is, calculated from remaining capacity relative to full charge capacity.
- Full charge cut-off voltage [mV]: — The pack-level voltage at which the BMS stops the charge process.
- Full charge termination current [mA]: — The charge current level at which the BMS considers the pack "fully charged" and ends the charge cycle.
- Low capacity threshold [%]: the SOC level at which the BMS flags a low-battery/low-capacity warning to protect against over-discharge.
- Number of cell strings: confirms this is a 16S configuration (16 cells in series), matching the 16 cells shown on the "Cell Info" screen.
- Balancing start voltage [mV]: the individual cell voltage above which the BMS begins cell balancing, to equalize charge levels between cells.
- Balancing voltage difference [mV]: The voltage gap (delta) between the highest and lowest cells that must exist before the BMS triggers balancing.
- Charge/discharge cycles: The total number of full charge/discharge cycles the pack has completed, used to track cumulative usage over the battery's lifespan.



11:43

ENVA16-2138

battery Mac address:E8:CA:50:11:21:38

←

↺

⚙

Summary

Details

Parameters

Notific

PACK

^

PACK quantity:

1

PACK remaining capacity:

230820

mAH

PACK full charge capacity:

314000

mAH

PACK design capacity:

314000

mAH

State of Charge (SOC):

74

Device voltage/current

^

Full charge cut-off voltage:

56000

mV

Full charge termination current:

2000

mA

Low capacity threshold:

5

%

Number of cell strings:

16

Balancing start voltage:

3400

mV

Balancing voltage difference:

30

mV

Charge/discharge cycles:

3

Figure 4-9: Parameter tab

5. Technical Support

To us at Freedom Won, reliable support is non-negotiable. That's why we've integrated a direct link to our technical support portal right within your Freedom Won app. Follow the guide below to log a support ticket.

5.1. Log a Support Ticket

1. From the home screen, tap on the help icon (🔗) and the help screen will appear as seen in figure 5-1 below.
2. Tap on the support icon (🎧) at the bottom right of the help screen.
3. A pop up notification to be redirected to the support web page will appear as per figure 5-1 below.
4. After tapping on "Confirm" you will be redirected to the Freedom Won Support Services web page to log a ticket.

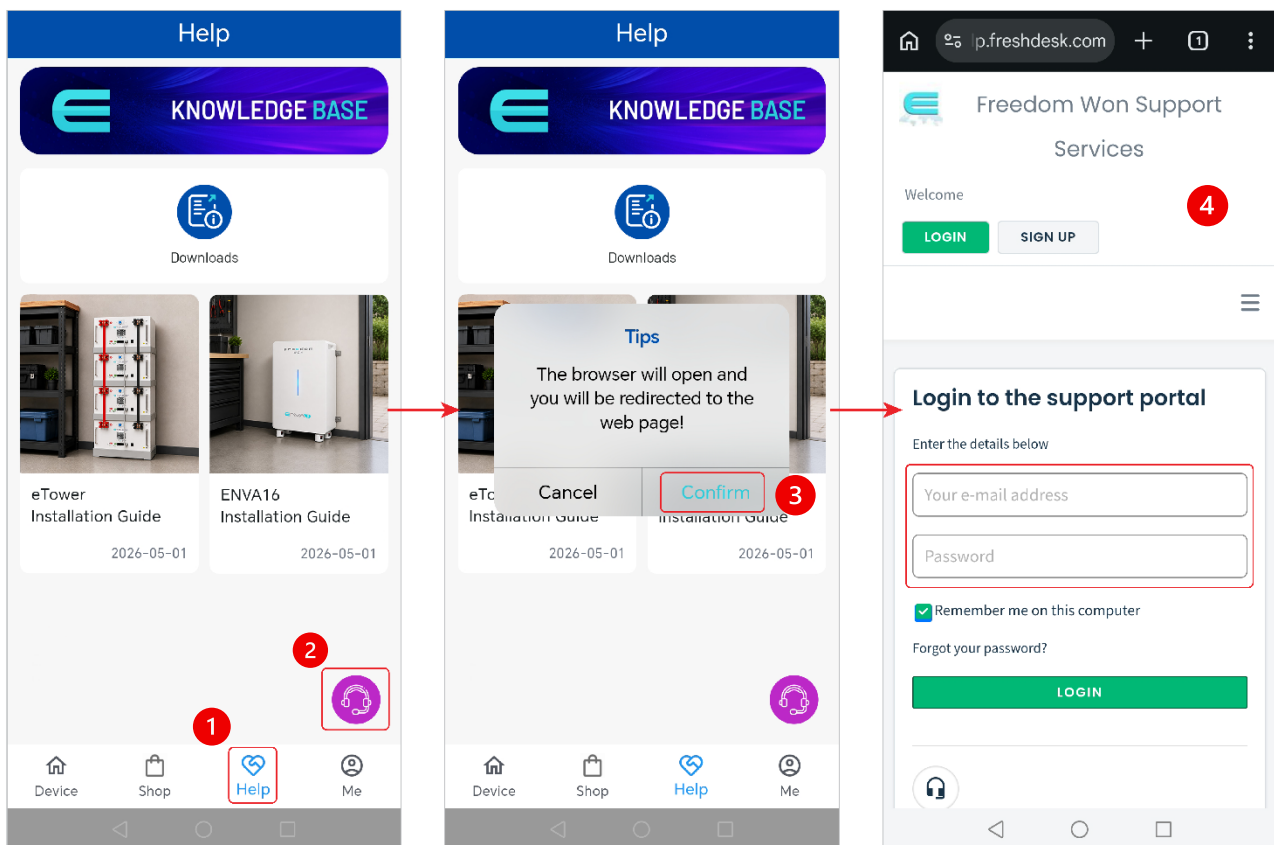


Figure 5-1: Log a support ticket

Disclaimer

The images featured in this manual are for illustrative purposes only. Although we have taken care to ensure all information is accurate at the time of publication, we cannot be held responsible for any errors, omissions, or changes that may occur. For the most up-to-date information, please contact us directly.

Technical and Installation Assistance

Please contact your Freedom Won Distributor or Reseller Installer for technical and installation support. A distributor list is available at www.freedomwon.co.za.