eo

EO Smart Home User Manual

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1   Introduction

This document details the user instructions for the EO Smart Home solution. It details how to use both the charging station as well as the key features of the associated EO Smart Home App.

Note - It is assumed that:

- The User has the EO Smart Home app installed on a smart phone or has access to the EO Cloud- https://portal.eocharging.com/
- The EO Smart home has been joined to the user's WiFi network as per the EO Smart Home Installation Manual

2 Charging a vehicle

2.1 Starting the Charge

1) Ensure that the EO Mini is powered and that the Status LED is pulsing blue.
2) Insert the cable into the vehicle first.
3) Insert the other end of the cable into the EO Mini.
4) The vehicle should start to charge immediately or will charge at the scheduled time.

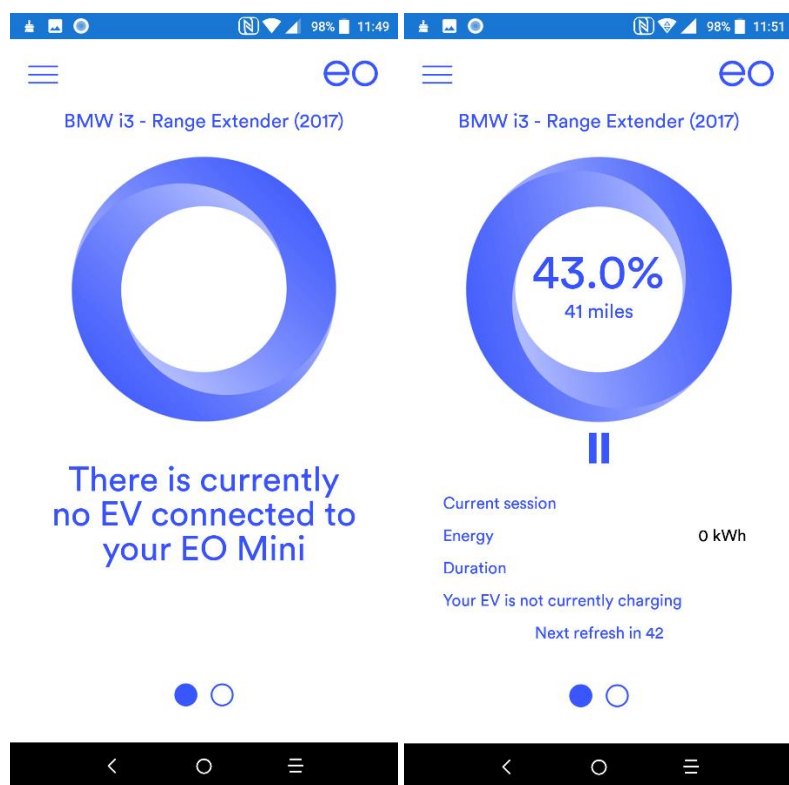The main screen is shown with and without a vehicle charging below

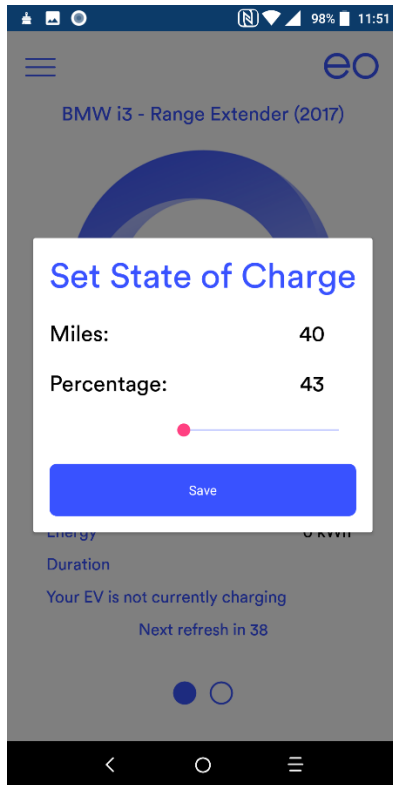*Figure 1 – Main Charging screen on the App*

3 Charging Options

3.1 Main Screen

When the vehicle is charging then there are settings which can be set from the main screen

3.1.1 State of Charge

By tapping the % in the centre of the circle, it is possible to set the current state of charge for that particular vehicle

3.1.2 Pause / Resume

When a vehicle is connected to the charging station then it is possible to pause and resume the charging session by pressing the pause and resume button
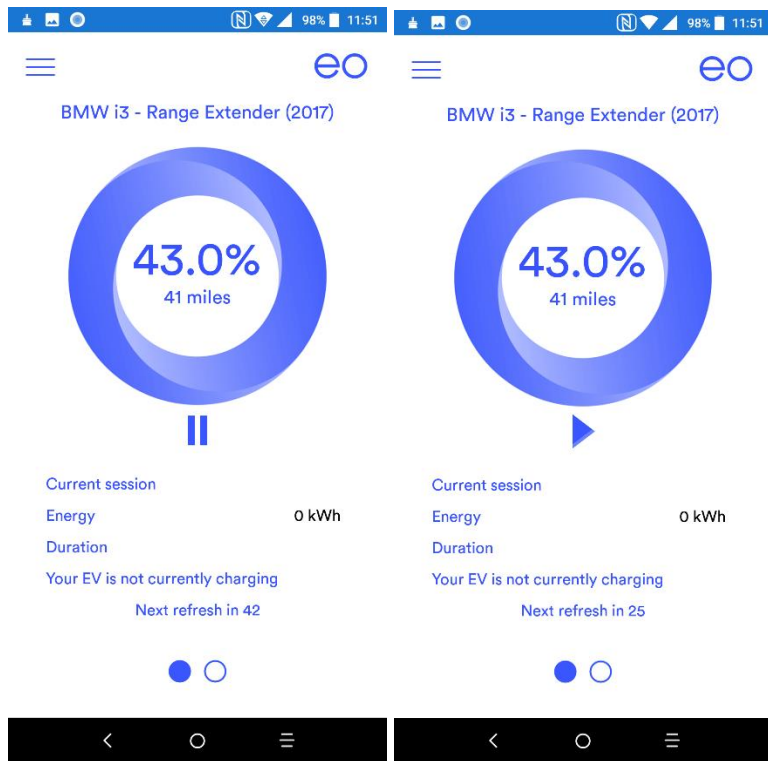
Figure 2 - Pause & Resume

The pause & resume functionality is slightly different for different scenarios:

1) Scheduled Charging Window
2) Vehicle plugged in and charging in Scheduled Charging Window
3) Resume pressed before Scheduled Charging Window
4) Pause & then resume pressed inside the Scheduled Charging Window
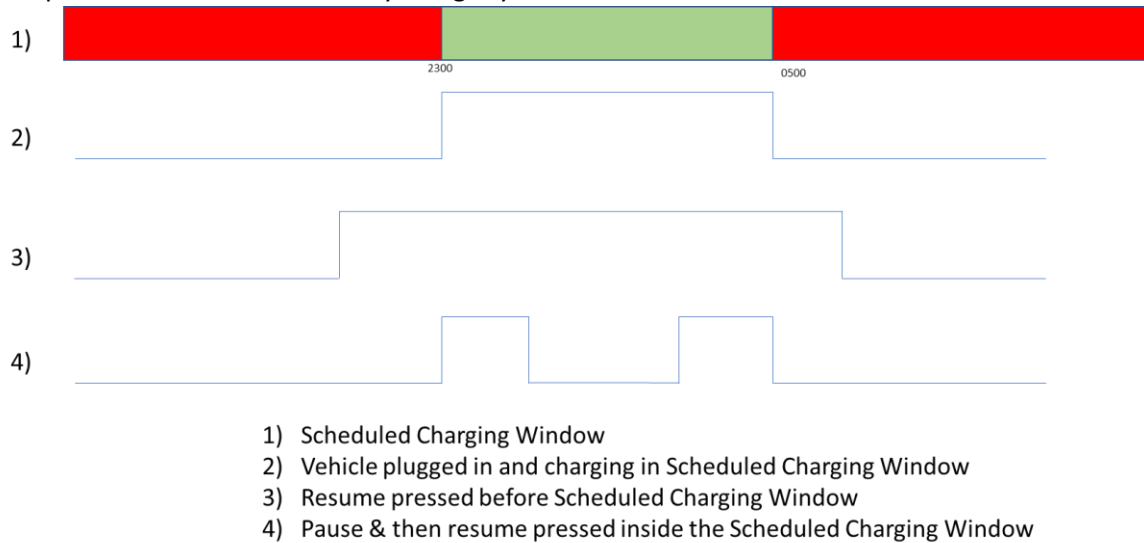
Figure 3 - pausing and resuming around the Scheduled Charging window

In scenario 3) if the resume button is pressed before the Scheduled Charging Window starts then the vehicle will continue to charge until it is fully charged (even if it is outside of the charging window). However, if the pause & resume button is pressed inside the scheduled charging window, then the vehicle will stop charging at the end of the scheduled charging window.

3.2 Setting Screen

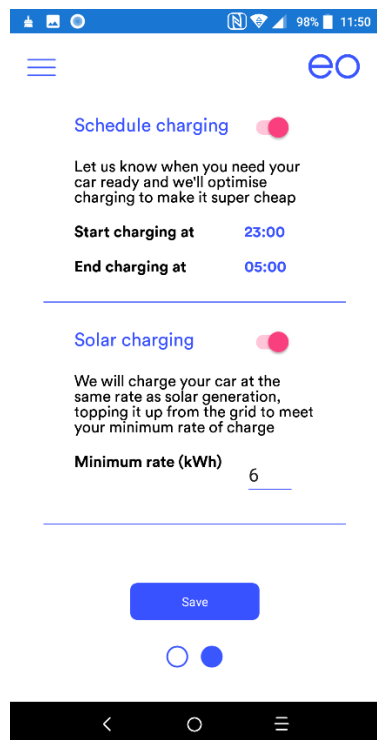If the user swipes right then the Settings Screen is available

Figure 4 - The charging options

There are various options available:

3.2.1 Schedule Charging

This sets a time period for when the EO Mini is allowed to charge an electric vehicle.

3.2.2 Solar Charging

1) This will charge your vehicle at the same rate as the output of the solar array.
2) If the solar output drops below the specified minimum rate (e.g. sun goes behind a cloud) then the vehicle will charge at the minimum rate. It is not safe for a vehicle to repeatably stop and start charging and so the minimum rate will always guarantee the charging rate

3) The Recommended minimum rate is 6A

Solar Charging
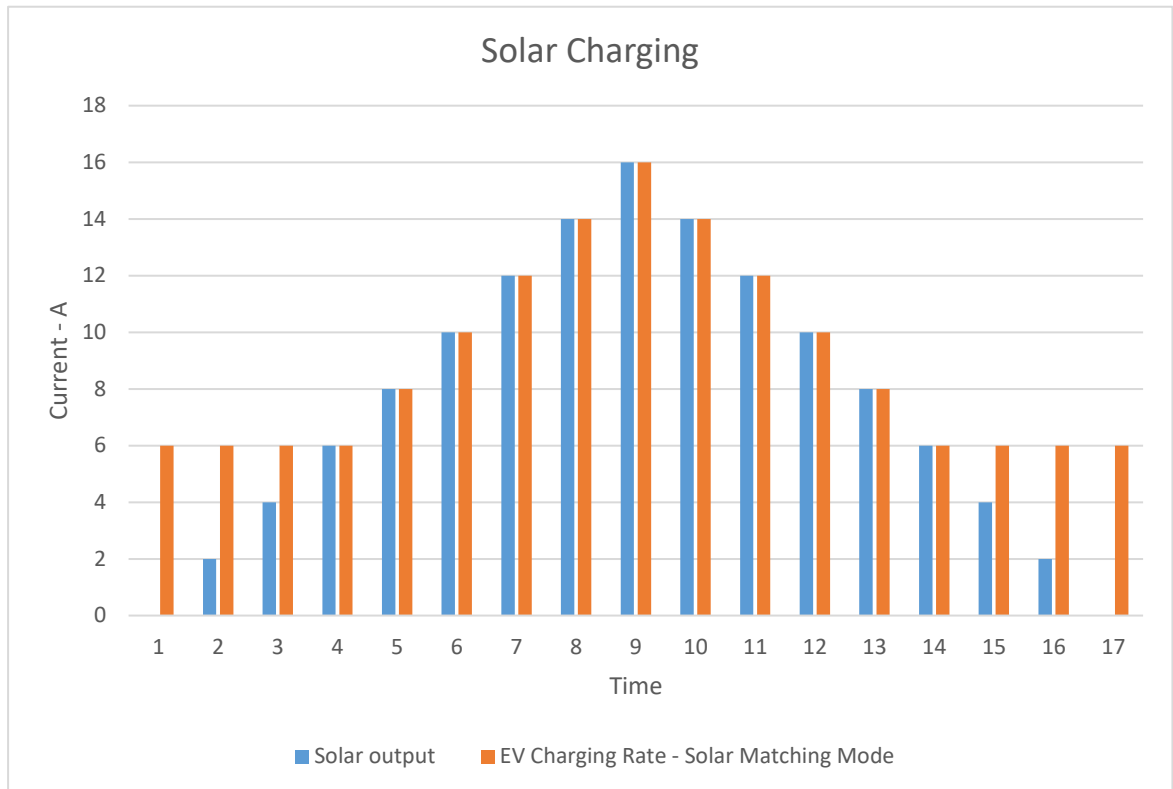
3.3   Pause and Resume

3.4   Stopping the Charge

1) Stop the charging session from the vehicle e.g. unlock the vehicle
2) Remove the cable from the vehicle first
3) Remove the cable from the EO Mini

4   Charging Session History

It is possible to review the charging session history from the app.

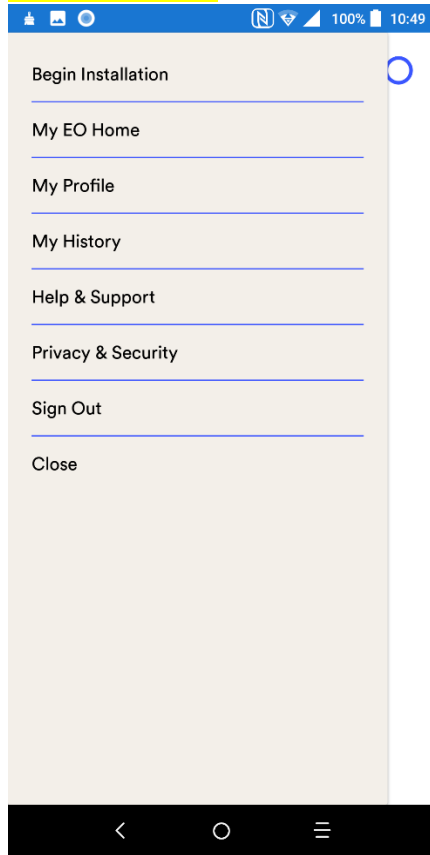1) Click on the settings options on the top right of the app and the options are displayed as shown in Figure 5

Figure 5 - Settings and Options
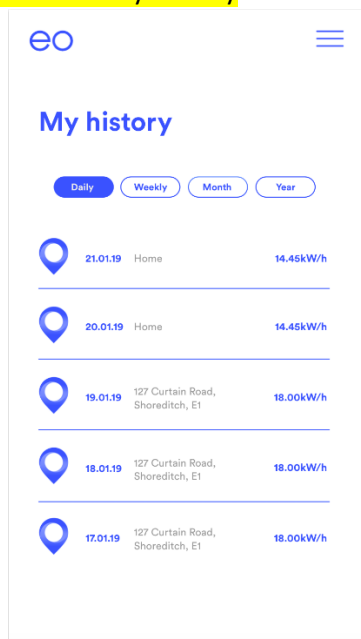
2) Click on My History

Figure 6 - My History

3) In order to display more details then select one of the charging sessions
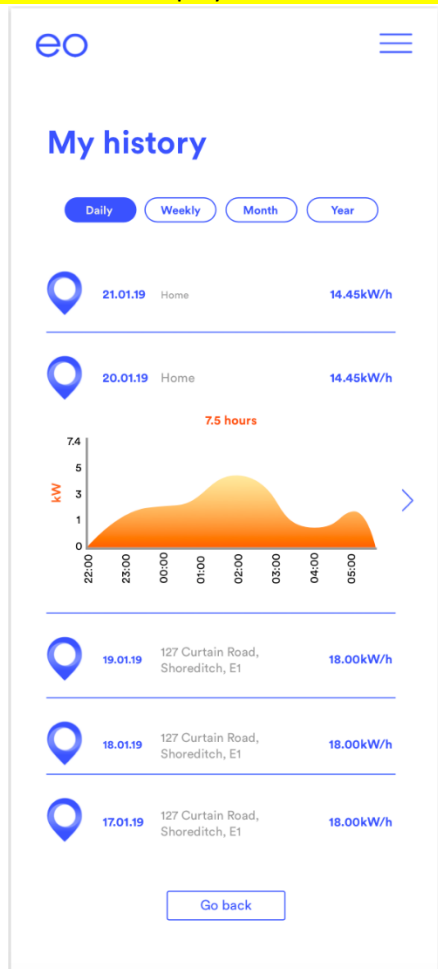

Figure 7 - Detailed Charging Session History

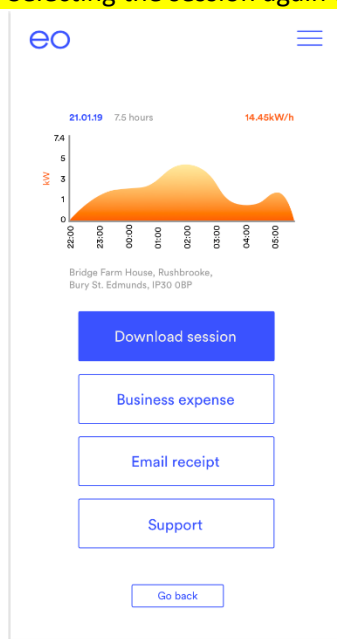4) Selecting the session again will bring up even more options

Figure 8 - more session history options

5 TroubleShooting

- What do the colours of the LED on the EO Mini mean?
    - The LED is an indicator of the state of the EO Mini. For more details please refer to the [EO Mini & EO Basic LED Guide.pdf](#)which is on the EO Resource Centre
- Is the WiFi working on the EO Hub?
    - Firstly, check in the app to see if the mini is connected
    - Secondly on powering up of the EO Hub for the first time, an EO Hub WiFi hotspot is emitted
- The EO Hub keeps dropping out of WiFi
    - The Signal strength of the WiFi could be too weak to maintain a steady connection
- The EO Hub is not re-joining the WiFi
    - It could be that the EO Hub is trying to join the Phone rather than the home WiFi.
    - Turn off the EO Hub
    - Turn on the EO Hub
    - On the phone, wait for the EO Hub WiFi is displayed
    - Select "forget this network" on the phone
    - Reboot the EO Hub and check that it joins the home WiFi

6 Further Technical Support

All EO Charging technical documentation is published in the EO Resource Centre, this is found at:

https://www.eocharging.com/service-support/

The EO Support team can be reached at:

- Email: support@eocharging.com
- Phone: +44 (0) 333 77 20383