

V O L V O

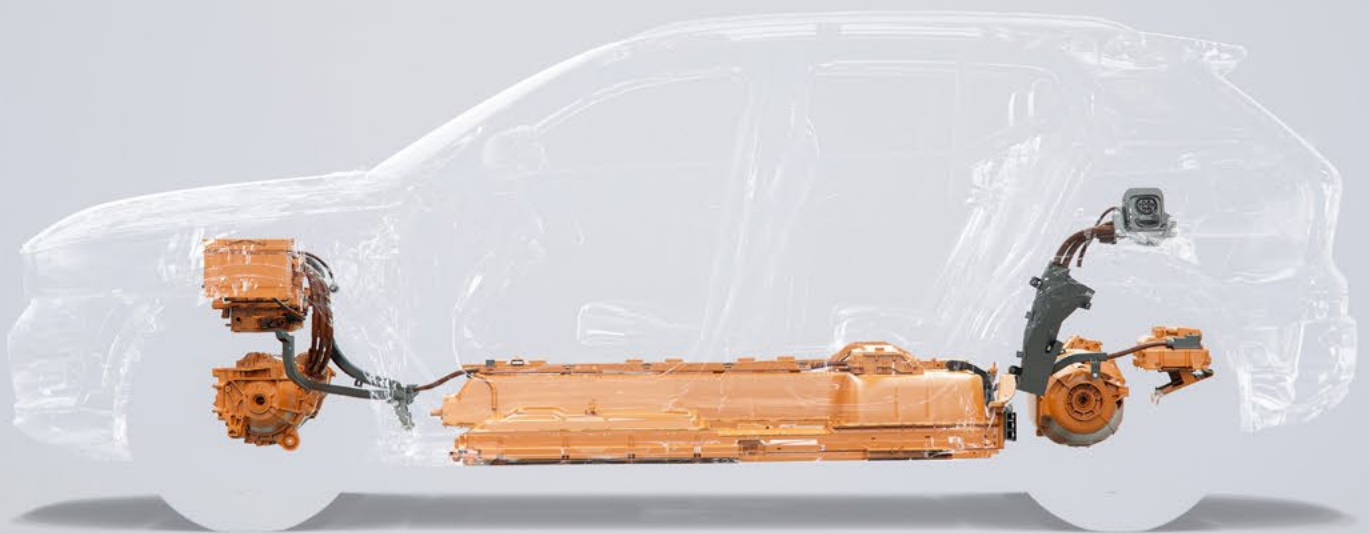
A Concise Guide to Your 2023 Pure Electric Volvo



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Important Cautions

No electrics? Limited function

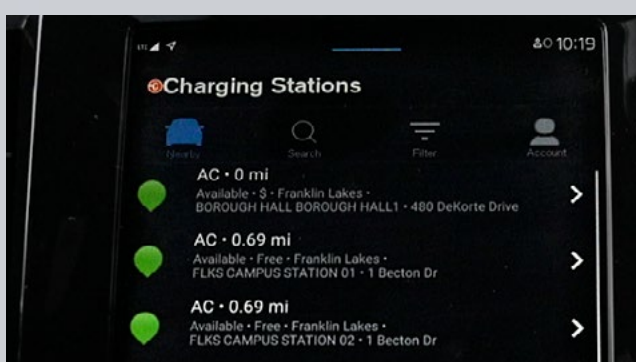
If the vehicle has no electrical current available – i.e. the ignition is switched off or the 12V start battery is discharged – certain functions will be limited, including power brakes and power steering.

Low-speed exterior noise

The electric motors in battery electric vehicles are extremely quiet and may be difficult to hear by children, pedestrians, cyclists, and animals. That's why Volvo Recharge models come with Audible Vehicle Alert System ("AVAS"). One of the sounds created mimics the sound that tires make when rolling over a road surface. The sound is immediately recognizable as that of a vehicle approaching, thereby alerting pedestrians and cyclists, yet it blends in perfectly to the surroundings and doesn't create unnecessary noise pollution.

High-voltage current

Vehicle components that work with high-voltage current can be dangerous if handled incorrectly. These high-voltage components and orange-colored cables are not easily accessed and should only be handled by qualified Volvo technicians. Please follow the instructions in your Digital Owner's Manual.



Recommended battery depletion limits

Volvo recommends that you don't let the battery deplete to 0%. Below a 20% state of charge you will receive notifications, with guidance to charging stations.

Key Google Services



Google Assistant

Allows driver to control in-car functions and much more by voice.



Google Maps

Helps keep drivers up to date with real-time data, alternative routes and charging stations.



Google Play

Allows drivers to easily download apps and have them appear within the car center touchscreen.

For the most personalized experience in your new Pure Electric Volvo, we recommend that you complete the profile setup and sign in with your Google account. If you don't have one, you can create one [here](#).

When taking delivery of your car, make sure you have your Google account information readily available, together with your smartphone.

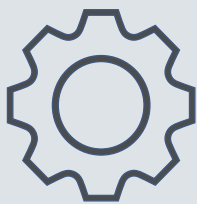
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Driver Profile Setup

Before you can set up Driver Profiles, you will need both your Volvo ID and your Google account login.

If you don't yet have a Volvo ID, your Volvo Retailer Sales Consultant can help you to create it, or you can do it yourself by downloading the Volvo Cars app with which you can create a Volvo ID login and password. You also can do it by clicking [here](#) and following the steps.

1. Link Volvo ID

A

On the center display, click on **Settings** (the trackwheel at the bottom right corner of the screen).

B

Profiles
Accounts, privacy



Once in Settings, select **Profiles**.

C

Complete Profile Setup




Once in Profiles, select **Complete Profiles Setup**.

D

Follow prompts to set up Volvo ID and complete step one.

Driver Profile Setup (continued)

2. Pair Phone

A		Make sure to have your mobile device with you in the car and ensure that Bluetooth is enabled.
B	<div><div>Next</div><div></div><div>Pair phone</div></div>	The Pair Phone screen should appear on the center display; select Next .
C	<div><div>Available devices</div><div> iPhone</div></div>	Available devices will appear. Select your device on the center display.
D	<p>Make sure the code displayed in the vehicle matches the one displayed on your phone and confirm.</p> <p>Once pairing is completed, go to the phone's Bluetooth settings*</p> <ul style="list-style-type: none">• Press (i) by your car's model name• Enable Show Notifications and Sync Contacts for access to text messages and phone contacts in the car.	

**iPhone user only, no action needed for Android users.*

Driver Profile Setup (continued)

3. Google Sign-In

A


Accept

Automatic software download
Keep your vehicle up to date.

On the center display, accept automatic software download to enable over the air updates.

B

Accept



Google Services

Review and accept Google terms and conditions.

C

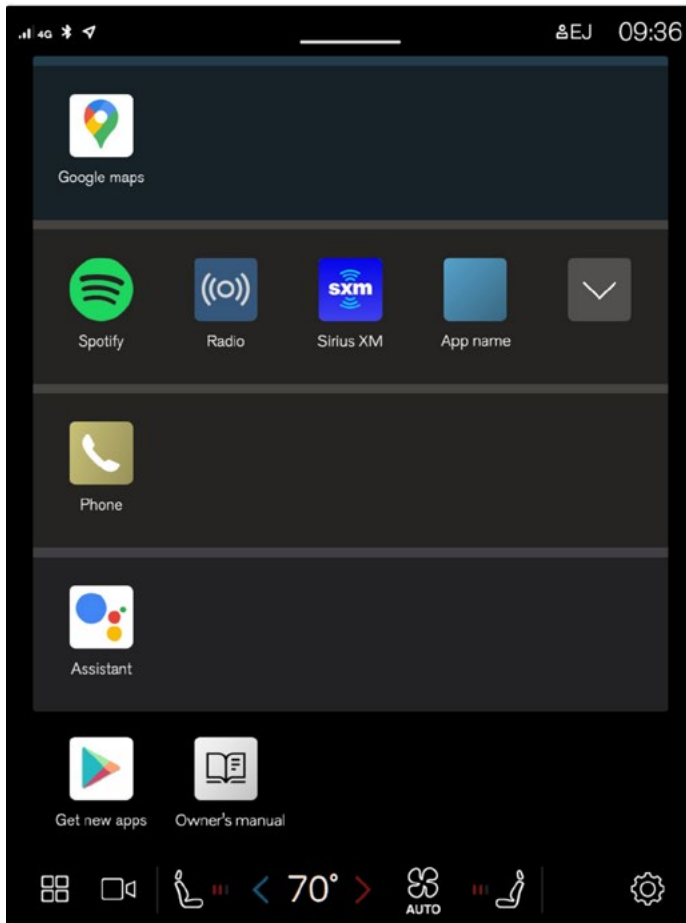
Follow prompts to sign in and view tutorials, turn on personal results and select Google Play apps, then your profile is complete!

A short tutorial on Google Assistant is available [here](#), and you are able to turn on personal results for access to your calendar and contacts.

A short tutorial on Drive Profile Setup is available [here](#).

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Basic Navigation: Center Display



Home View

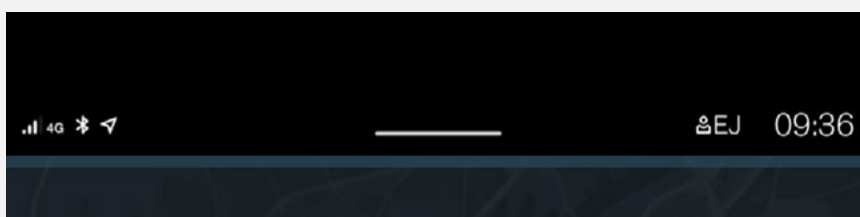
Home view is displayed when the screen is activated. It consists of four tiles.

You can choose which apps will be shown in Home view tiles. An app that is selected from App view starts in the respective tile in Home view.

The tiles are dynamic and show the last-used apps, such as navigation, media, phone, etc. Tap an app to expand it or swipe from the left in the tile to view additional apps.

Note, when the vehicle is moving:

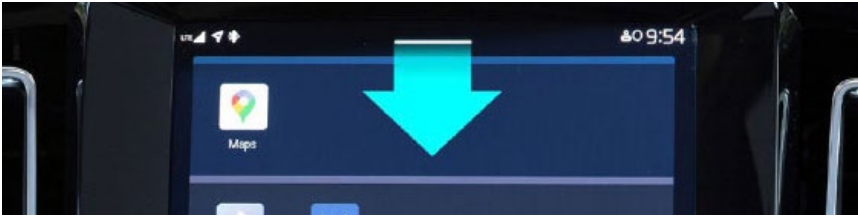
- Certain applications (e.g. the Owner's Manual) may be deactivated.
- Certain messages (e.g. those generated by apps) will be shortened.



Status Bar

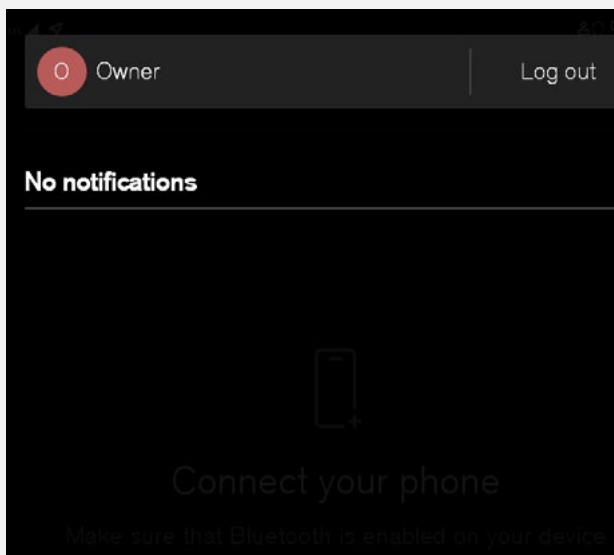
Current vehicle activities are shown at the top of the screen in the status bar: information such as active user profile, network and Bluetooth connection status, and the clock.

Basic Navigation: Center Display (continued)



Notifications View

Pull the tab down to access Notifications view, which shows missed calls, vehicle information, and provides access to User Profiles. To leave, tap outside of Notifications, press the Home button, or swipe upwards.

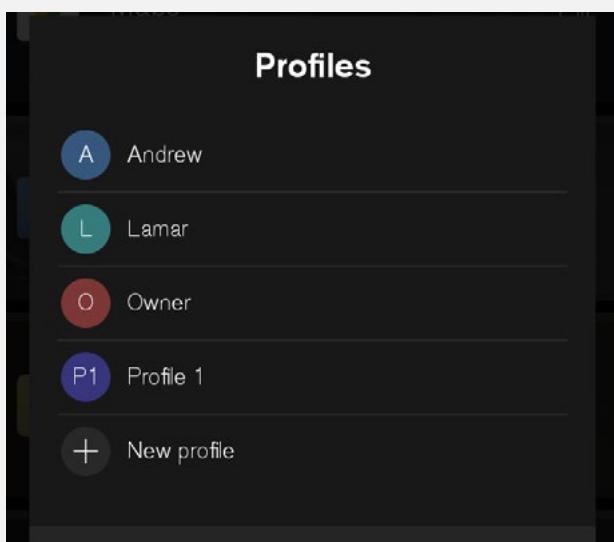


User Profiles

To access User Profiles, swipe down on the Home Screen to reach **notifications**.

Select (tap) the profile in use (upper left corner).

Only the profile that is signed-in will appear. A new car will default to the name “Owner” as the primary and only profile.



On the **Profiles** screen you can update or delete an existing profile, or add a new one.

Many driver personal preference settings can be saved in different user profiles, including screens, mirrors, front seat, navigation, audio and media system, language and voice control.

Basic Navigation: Center Display (continued)

**Climate View**

Buttons for App view, Camera view, Settings view, and the most common climate settings are at the bottom of the center display. Tap the blue or red arrow to adjust the temperature when left and right side temperature is synchronized. Tap the temperature button to open Climate view and additional settings options. Tap the Home button to close Climate view.

**App View**

App view provides access to the vehicle's preinstalled and downloaded apps. From App view, you can download and install additional apps and access the Owner's Manual. Tap an app to open it in full-screen mode.

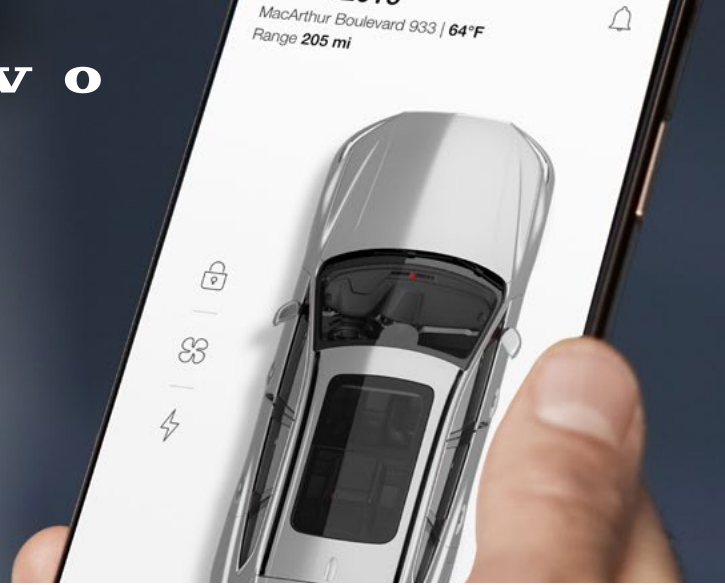
**Camera View**

Camera view starts automatically when gear selector position R is used. It shows the Park Assist Cameras, and separate views for each of the four cameras: rear, front, left and right.

Camera view closes automatically when the vehicle reaches a certain speed or can be closed manually by tapping or the Home button.

**Settings View**

Selecting Settings view allows you to make changes that include system units of measurement, system language, door lock and unlock settings, and resetting user data.



The Volvo Cars App

The Volvo Cars app provides you with useful tools and functions that enable a convenient and enjoyable Volvo experience.

App Icon Functionalities



- Lock or unlock
- Door status
- Window Status



- Pre-Conditioning Recharge vehicles Heating or Cooling (The app will default to 72°)
- Set climate Timer



For Pure Electric vehicles:

- State of charge
- Battery level
- If you are actively charging, the estimated time of completion will display under the battery level.

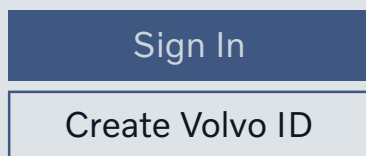
Pairing Your Car with the Volvo Cars App

The Volvo Cars app pairing process is completed in the car. Please make sure you are signed into your driver profile in the car and have all car keys with you. Don't have a driver profile yet? Please follow the instructions on page 5.

1. Download the Volvo Cars app and Sign In

A

Download the Volvo Cars app by visiting the appropriate app store. Available for iOS 8 or higher and Android 4.0 or higher.

B

Next, create your Volvo ID. If you already created your Volvo ID, go directly to **Sign In**.

C

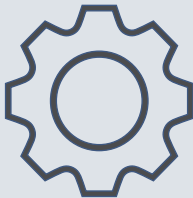
Position your Volvo in an open area with network coverage to both your phone and your car. You are now ready to pair the app to the car.

Pairing Your Car with the Volvo Cars app (continued)

The Volvo Cars app pairing process is completed in the vehicle.

2. Within Car: Share Car Data

A



On the center display, click on **Settings** (the trackwheel at the bottom right corner of the screen).

B

Profiles

Accounts, privacy

>

Once in Settings, select **Profiles**.

C

Privacy

Volvo privacy settings

Select **Volvo Privacy Settings**.

D

Privacy Settings

Volvo Cars app

On

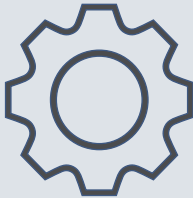
Select **Volvo Cars app** and make sure it is turned **On**.

Pairing Your Car with the Volvo Cars app (continued)

The Volvo Cars app pairing process is completed in the vehicle.

3. Within Car: Pairing app Part 1

A



On the center display, click on **Settings** (the trackwheel at the bottom right corner of the screen).

B

Profiles

Accounts, privacy

>

Once in Settings, select **Profiles**.

C


Profile Details

Volvo On Call devices

Select **Volvo On Call devices**.

D

< Volvo on Call devices



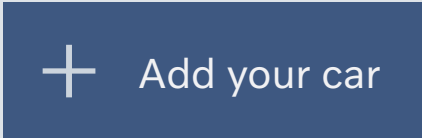
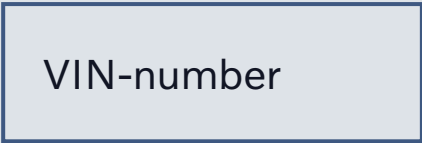

Pair phone

Click **Pair phone**.

Pairing Your Car with the Volvo Cars app (continued)

The Volvo Cars app pairing process is completed in the vehicle.

4. Within Car: Pairing App Part 2

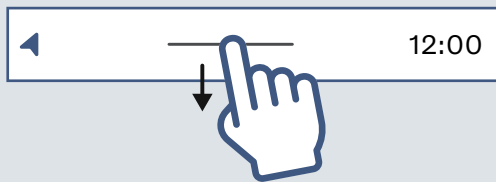
A		Open app while sitting in your vehicle. If you are new to the Volvo Cars app, press Add your car .
B		Enter the full VIN found on the center display into the mobile app. Follow the steps on the screen to complete pairing.
C		Press Next on the center touch-screen. Verify the numbers on screen match the numbers in the Volvo Cars app. Pairing complete.

A short tutorial on Volvo Cars app pairing is available [here](#).

Adding, Changing, and Deleting Profiles in the Car

To add, change or delete a Driver Profile, please follow the steps below.

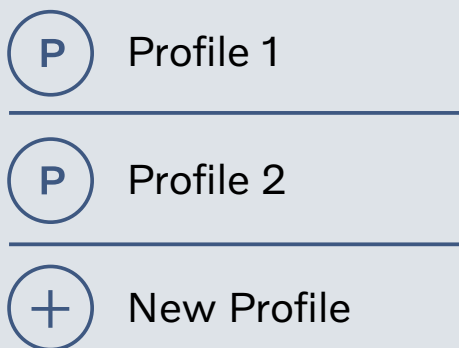
Access Profiles & Change

A

To start, **swipe down** on the line that is located at the top of the car's center display.

B

Select the profile in use. The only profile that is signed in will appear. A new car will default to the name "Owner" as the primary and only profile.

C

Now you are in the list of profiles. To change between profiles, simply select the profile you would like to use.

Adding, Changing, and Deleting Profiles in the Car (continued)

Add Profile

C

P

Profile 1

P

Profile 2

+

New Profile

Once in List of profiles, select **New Profile**.

C

Next


Welcome to Volvo

Choose language
English (United States) >

Press **Next** to default to English.

C

Next



Set up Volvo ID

Press **Next** to link your Volvo ID and follow prompts.

Adding, Changing, and Deleting Profiles in the Car (continued)

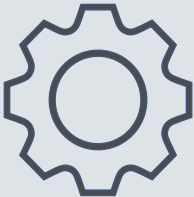
Delete Profile

A

Log into the profile you want to delete.

By deleting a profile, all settings associated with that profile will be deleted.

B



On the center display, click on **Settings** (the trackwheel at the bottom right corner of the screen).

C

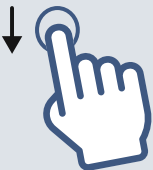
Profiles

Accounts, privacy

>

Once in Settings, select **Profiles**.

D



Delete this profile

Scroll all the way down and click **Delete this profile**. Then click **Confirm**.

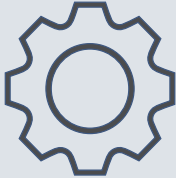
Pairing and Deleting Keys

Pairing your key fob into your driver profile will ensure that your personal settings for seat, climate, audio, and navigation will automatically adjust each time you enter the car with the paired fob.

Follow these easy steps on the center touchscreen to pair or remove a key fob in your profile.

Access Profiles

A



Make sure you're logged into the profile you want to disconnect the key from. On the center display, click on **Settings**.

B

Profiles

Accounts, privacy

>

Once in Settings, select **Profiles**.


PAIR Key	OR	REMOVE Key
<div><div>C</div><div><div>Profile Details</div><div>Connect Key to Profile ></div></div><div>Select Connect Key to Profile. If you have more than one key, place the key you would like to connect with your profile in the front cupholder. The key with you in the vehicle will pair to the Profile, and the name will be shown on screen.</div></div>		<div><div><div>C</div><div><div>Profile Details</div><div>Connect Key to Profile ></div></div><div>Select Connected Key</div></div></div>
<div><div>D</div><div><div>Profile Details</div><div>Connect KeyKey 1</div></div><div>See the key's name on the screen; pairing is completed.</div></div>		<div><div><div>D</div><div><div>Disconnect key from profile</div><div>NoYes</div><div>A pop-up will appear asking you to disconnect key from profile. Confirm Yes.</div></div></div></div>

Screen Lock

With your Driver Profile set up, you can easily lock the screen when someone outside your household will be driving your car (e.g. a valet). This protects your personal information, past destinations, and apps.

Access Screen Lock

A



On the center display, click on **Settings** (the trackwheel at the bottom right corner of the screen).

B

Profiles

Accounts, privacy

>

Once in Settings, select **Profiles**.

C

Profile Details

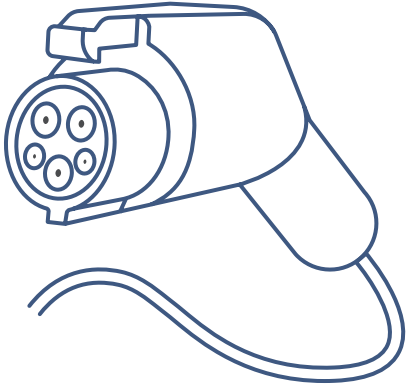
Screen Lock

>

Select **Screen Lock**. Continue to steps below to either **Activate** or **Remove** a screen lock.

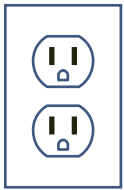
PAIR Key	OR	REMOVE Key
<div><div>D</div><div><div>< Choose a lock type</div><div>Pattern ></div><div>PIN ></div><div>Select the type of screen lock you prefer, PIN or Pattern. Enter your PIN or Pattern and Confirm.</div></div></div>		<div><div>D</div><div><div>< Choose a lock type</div><div>None ></div><div>Enter your PIN or Pattern to unlock. Select None to disable screen lock.</div></div></div>

At-Home Charging Solutions



Your Volvo comes standard with a dual-mode charging cable. It has two adaptors that allow the vehicle to be plugged in to either 110V or 240V home outlets.

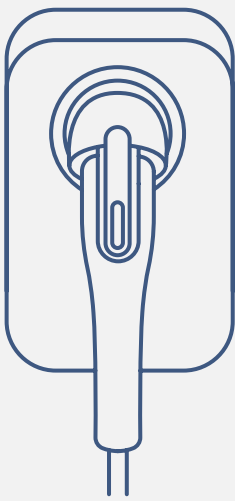
The 240V option is recommended because it can fully recharge your Volvo overnight (e.g. approx. 8 hours).



Standard 110V wall outlet **Level 1 (AC):**
Up to **3 miles of range**
per hour of charge



240V NEMA 14-50 wall outlet **Level 2 (AC):**
Up to **25 miles of range**
per hour of charge



Home Wall Box: 240V, dedicated 50-amp service
Level 2 (AC): Up to **35 miles of range** per hour
of charge

The **ChargePoint Home Flex** is one home wall-box solution that provides fast and efficient charging. More information can be found [here](#).

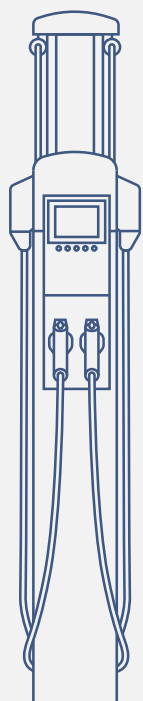
We strongly recommend professional installation of home-charging technology. Volvo has partnered with Qmerit for at-home installation. Qmerit has a network of electricians and offers a convenient estimator tool. To get started, click [here](#).



Public Charging Solutions

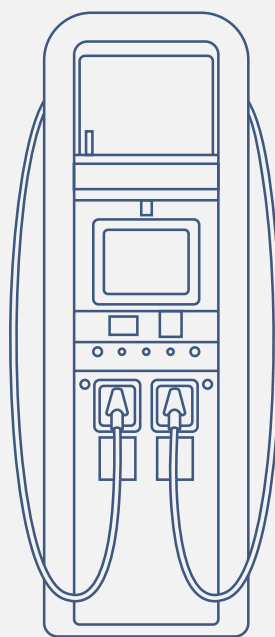
Your Volvo is compatible with most public chargers.

It can be charged on AC (Level 2) chargers as well as DC (Level 3) fast chargers.



Public Charging Station: 240V, 60-amp service

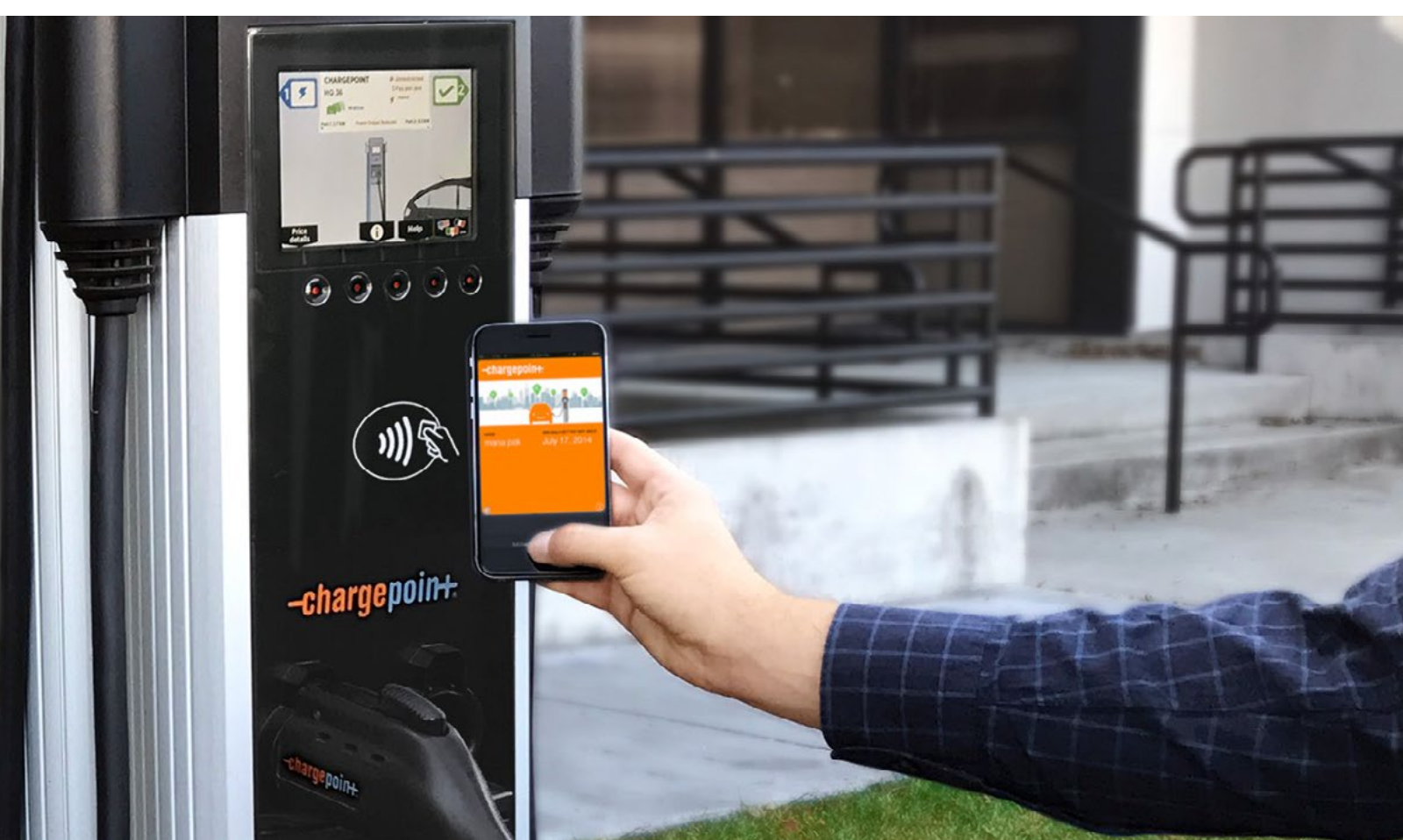
Level 2 (AC): Up to **35 miles of range** per hour of charge



Fast Public Charging: 150 kW charge stations

Level 3 (DC): Up to **50-60 miles of range in 10 minutes**

Public Charging Solutions (continued)



ChargePoint is an official vehicle-charging partner of Volvo Cars USA.

- To set up your ChargePoint account, please click [here](#).

ChargePoint simplifies the public charging experience by eliminating the need to juggle multiple apps. Download the ChargePoint app, both in-car and on your mobile device, then simply pair your ChargePoint account to access their network of AC chargers, as well as their roaming partners. Pre-load your payment information then easily locate and seamlessly pay for charging no matter where you are.

Public Charging Solutions (continued)



Electrify America's collaboration with Volvo Cars USA adds a growing network of more than 635 public DC fast charging stations around the country. It is the largest open DC fast-charging network in the U.S., and greatly expands the availability of fast charging locations for owners of Volvo electrified vehicles. Along with ChargePoint, Volvo drivers now have easy access to over 90% of the open charging network.

All Pure Electric Volvo vehicles for the 2023 model year come with 250 kWh of complimentary charging on the Electrify America network. Within the first three years, after depletion of the 250kWh, customers are eligible for Electrify America's Pass+ program, where drivers can charge at discounted rates. The Pass+ membership fee will be covered by Volvo Cars USA for one year.

For more information, please click [here](#).



Charging Speed

Charging speed can be set in your center display. To adjust the charging amp limit, click the gear icon on the center touchscreen



> select Charging > press the plus or minus sign to change the amperage limit for charging.

Set it to 48 amps for best charging speed, if it's not already. This will ensure the fastest charging with all types of chargers. If you plug it into a lower amperage circuit, e.g., a 110V 15-amps, the car will lower the charging speed based on the amperage available.

You can view the car's charging speed in the instrument cluster, when parked and plugged in.



Charging Rates and Approximate Times

Volvo's Pure Electric vehicles (XC40 Recharge and C40 Recharge) are equipped with 78kWh batteries

Approximate charging times*

- Level 2 – 10% to 80% \approx 6 hours
- 150 kW DC Fast Charger – 10% to 80% \approx 40 minutes

* Volvo recommends charging to 90% for everyday use for longer battery life. For longer trips, charge to 100%.

Ambient temperature extremes (cold and hot), driving styles, routes, terrain, vehicle speed and vehicle load are some of the conditions that will affect vehicle range.

Electrification Terms and Their Meanings

- **Volt** is electrical “pressure” and Amp(ere) is electrical “flow.” The “garden hose” analogy: Turning up the pressure (volt) moves more water, and having a larger diameter hose (amp) flows more water. In this analogy, water is equivalent to power.
- **kWh** – Kilowatt-Hours: amount of energy stored (comparative to a tank of gas).
- **kW** – Kilowatt: amount of electricity needed to “fill up” the battery via charger (AC or DC).
- **1kW = 1.34 horsepower** (e.g., XC40 Recharge’s combined 300 kW = 402 horsepower).
- **AC** – Alternating Current (typical household outlets, Level 1 or 2, including some charging stations) converts electric power to direct current (DC) via an On-board Charger (OBC).
- **DC** – Direct Current (built-in converter, Level 3 charging stations) feeds power directly to the car’s battery.



Charging Status Lights

(adjacent to the charging socket input)



White	LED lamp
Yellow	Waiting mode for charging to start
Flashing Green	Charging in process
Green	Charging complete
Red	Fault has occurred
Blue	Scheduled charging

Starting and Driving

Your Pure Electric Volvo is always ready to go, so there is no start/stop button.



- To drive the vehicle, sit in the driver's seat, put on your seatbelt, place your foot on the brake, and select Reverse or Drive.
- To stop, simply put the vehicle in Park and exit – it will automatically turn off.
- Prior to driving vehicles operated by multiple drivers (for whom Driver Profiles have been set up), while the vehicle is stationary remember to override the “default” profile, if necessary.

See your Digital Owner's Manual for Driver Profiles information.

There is no engine to start in a battery electric vehicle.

The car will automatically go from “Off” through several levels of readiness, starting with when you approach the car and unlock it. Sensors detect that you are positioned in the driver's seat, the presence of the key fob, and that the door is closed. Various systems such as the climate control, media, or navigation might come on.

Pressing your foot on the brake and selecting Drive or Reverse is all you have to do to begin your drive. The car is ready to drive and indicates this status by displaying “Ready” in the instrument cluster.

The car will remain stationary even when you take your foot off the brake, if one-pedal drive is “on.” The car will slowly begin to move as soon as the brake pedal is released, if one-pedal drive is “off.”



V O L V O



One-Pedal Drive and Regenerative Braking

One Pedal Drive gives seamless control of both acceleration and deceleration with just the accelerator pedal. When braking, the kinetic energy that otherwise would have become heat energy is regenerated into electric energy and fed back to the battery. This saves energy and helps optimize the car's range.

Two levels: On and Off.

"ON" is the default setting. Just lifting the accelerator pedal can slow the car all the way to standstill, not using the brake pedal. It can even hold the car on steep hills. One-Pedal Drive is recommended in city driving to help optimize range.

"OFF" means less regeneration when lifting the accelerator, and feels more like in a combustion engine powered car. This allows full benefit from the car's rolling kinetic energy when driving at highway speeds.

Independent of this, the car will always provide brake energy regeneration when pressing the brake pedal.

One pedal drive can easily be turned off or on via the settings menu in the center display or simply by using a voice command with the help of Google Assistant: "Hey Google, turn on/off one pedal drive."

A short tutorial on one-pedal drive is available [here](#).

Note: If one-pedal drive is "on," the car will remain stationary when the brake pedal is released. It will only move when the accelerator is pressed.

If one-pedal drive is "off," the car will begin moving as soon as the brake pedal is released.



Hands-Free, Foot-Activated Tailgate

Both hands full? You can open or close the tailgate with a single foot kick movement under the rear bumper.

Pro tip: Aim for the center left parking sensor or the first “V” of the “Volvo” lettering for best results.

The ‘kick’ should be smooth during the inward and outward motion – no waving or holding your foot in place as this won’t activate the sensor to open /close the tailgate.

Immediately after the kick, take a step back to ensure that the tailgate will open or close.

A short tutorial on the foot-activated tailgate is available [here](#).

V O L V O