

# **E-Way**

Smart EV Routing & Station Occupancy Prediction

## **User Manual**

Step-by-step guide for drivers

May 2, 2026

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# 1 Map & Stations

The Map is your central hub for exploring the charging infrastructure across the country.

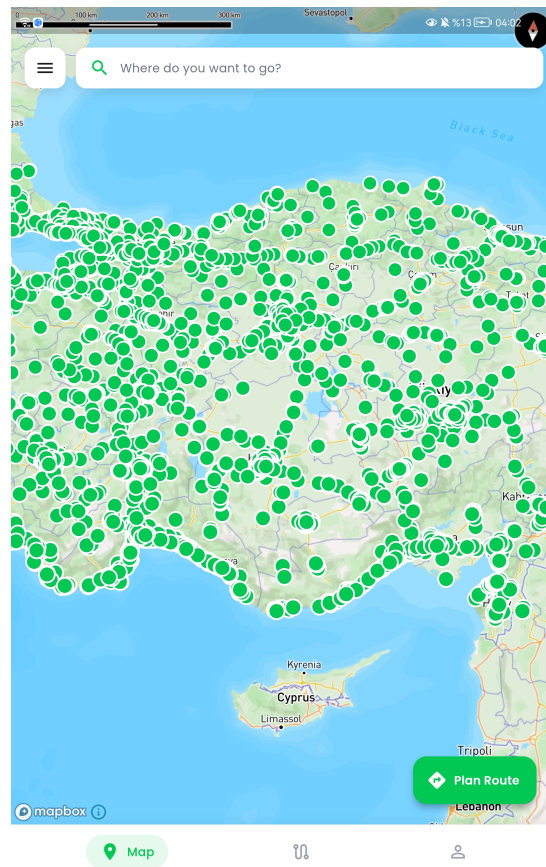


Figure 1: Main Map Interface

- **Explore the Map:** Open the app — the Map tab loads automatically with all available charging stations shown as green pins.
- **Search Locations:** Use the *"Where do you want to go?"* search bar at the top to find a specific city or destination.
- **Quick Actions:** Use the bottom navigation bar to switch between the Map, Routes, and Profile. Tap the **Plan Route** button at the bottom right to quickly start a journey.

# 2 Route Planning

E-Way creates smart routes tailored to your vehicle's specific needs, incorporating optimal charging stops.

- **Set Destinations:** Select your current location and search for your destination.
- **Battery Management:** Use the **Current Battery Level** slider to input your starting charge. Then, adjust the **Desired Arrival Charge** slider to guarantee you reach your destination with enough reserve battery.

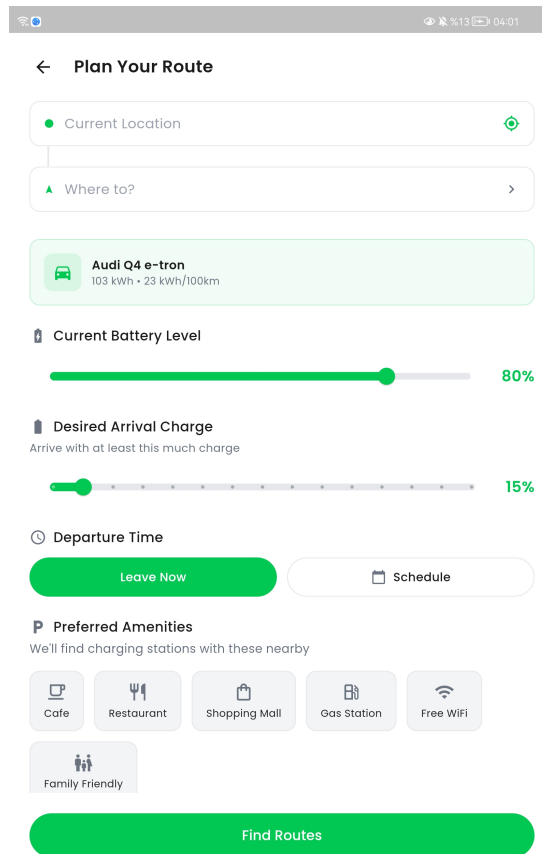


Figure 2: Route Planning and Preferences

- **Departure Time:** Choose to *Leave Now* or schedule your trip for a later time to get accurate future predictions.
- **Preferred Amenities:** Select nearby facilities (e.g., Cafe, Restaurant, Free WiFi) to ensure your charging stops are comfortable.
- **Find Routes:** Tap the green button to generate routes.

### 3 Station Details & AI Predictions

E-Way predicts how busy a station will be at your exact estimated time of arrival (ETA).

- **Station Info:** View the operator brand (e.g., ZES), exact address, number of sockets, maximum power output (e.g., 22 kW), and connector types (e.g., AC).
- **Popular Times:** Check the AI-driven occupancy status. The system displays actionable insights such as *"Typically free"* or *"Busy"* based on historical data.
- **Community Feedback:** Help improve our algorithms by confirming the current status using the *Quiet*, *Moderate*, or *Busy* buttons.
- **Navigation:** Tap **Navigate Here** to get turn-by-turn directions to the specific station.

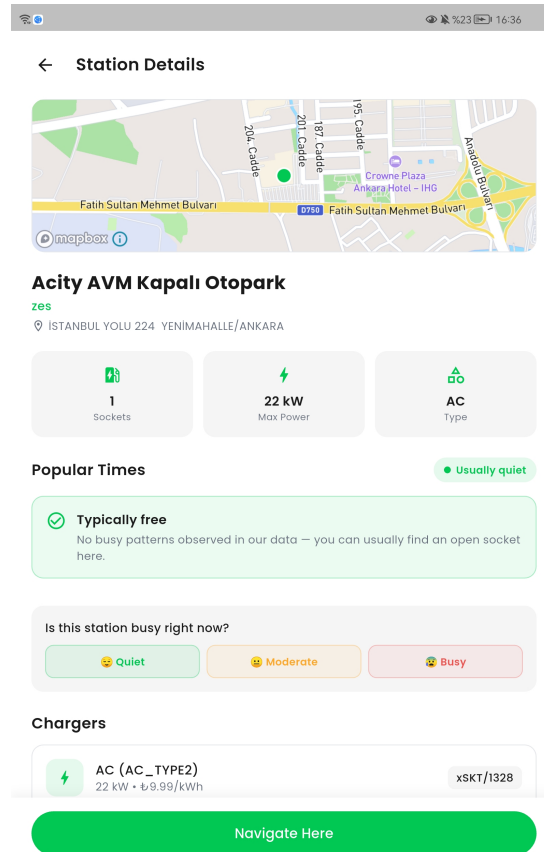


Figure 3: Station Details and Predictions

## 4 Vehicle Setup

Accurate routing starts with accurate vehicle data.

- **Brand and Model:** Select your EV brand (e.g., Audi) and specific model (e.g., Q4 e-tron) from the dropdown menus.
- **Battery Capacity:** Fine-tune your vehicle's total battery capacity (in kWh) using the slider.
- **Energy Consumption:** Adjust your average energy consumption rate (kWh/100km). *Tip: Higher speeds and winter driving increase consumption.*
- **Save:** Tap **Save Vehicle**. The routing engine will now use these exact metrics to calculate your maximum range.

## 5 Profile & Settings

Manage your account and customize your app experience.

- **Profile Overview:** View your registered email, active vehicle summary, and quickly access Help & Support.

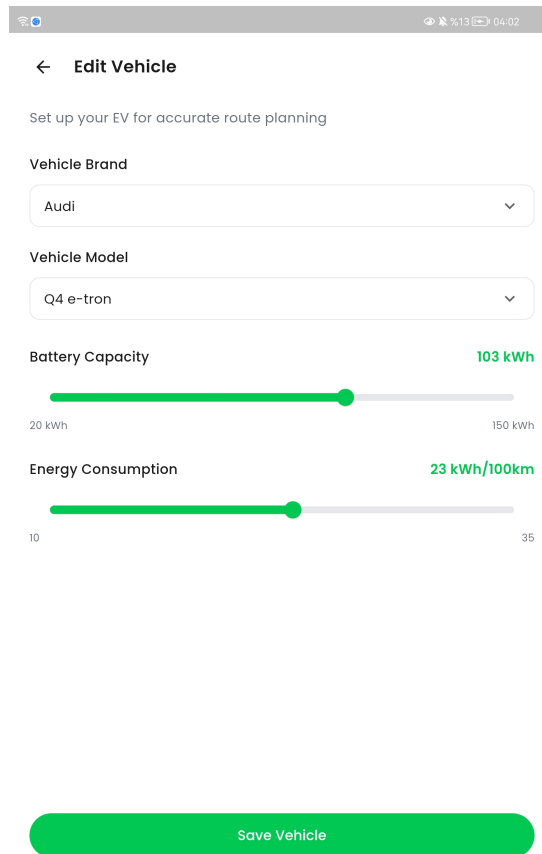


Figure 4: Edit Vehicle Information

- **Appearance:** Toggle **Dark Mode** on or off to reduce eye strain during night driving.
- **Notifications:** Enable **Push Notifications** to receive critical charging alerts.
- **Preferences:** Switch between metric (*km*) and imperial (*mi*) distance units, and change your language settings.
- **Data & Storage:** Tap **Clear Cache** to free up device storage if the app feels slow.
- **Account Deletion:** To permanently remove your data from our servers, use the **Delete Account** option located in the Danger Zone.

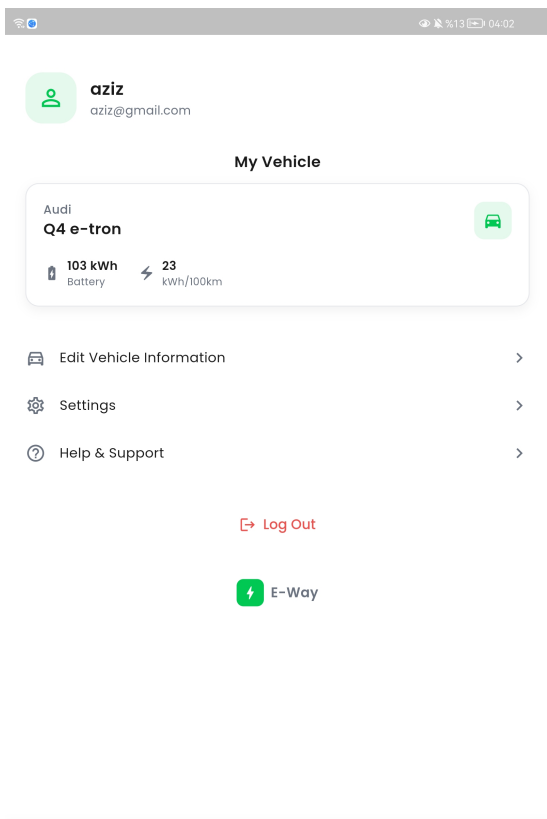


Figure 5: Profile Overview

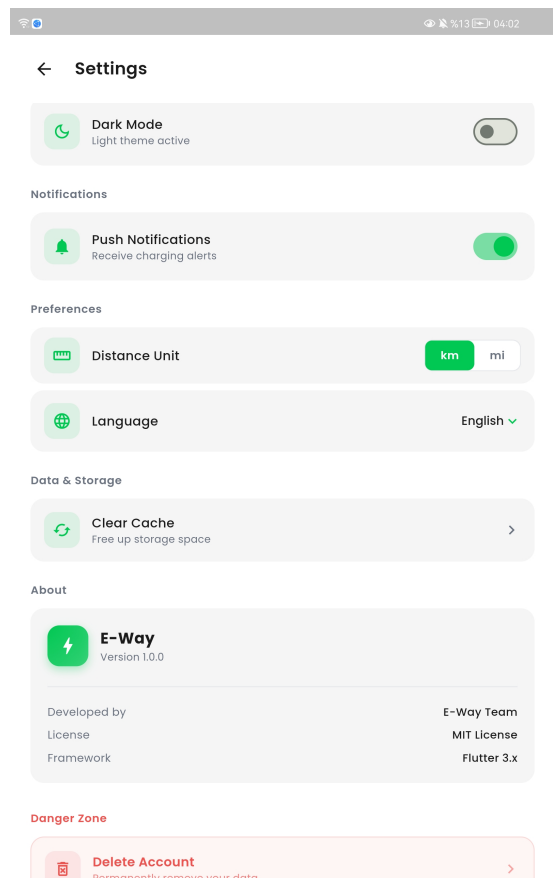


Figure 6: App Settings