

# Power.Log User Document

R Costa-Tré, J Jandrell, A Kapp, K Ngwenya

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## 1 Overview

Power.Log is a website that provides you with information about how much energy you use while travelling. To do this, it requires you to submit a quick fuel (or energy) log every time you fill up, recharge or finish a long trip. With this information, it can calculate the amount of energy you used for travel between any two dates as well as allow you to compare your energy usage to that of other users and other vehicles. Comparing your energy usage to real data (as opposed to the 'average consumption' provided in most vehicle spec sheet) give you an empirical view of the consumption of real vehicles and see how well you and your vehicle are doing. This information will be provided to you in kWh - just like your household electricity and the consumption of electric vehicles.

## 2 Requirements

Please note that to use Power.Log you will require a stable internet connection. You will also need to use a browser with cookies enabled. We recommend using Brave Browser, Google Chrome, or Firefox. Internet Explorer is NOT supported.

## 3 Step-by-Step Guide

### 3.0.1 Logging in

When logging in to the system for the first time, you will need to create an account. Navigate to the 'sign up' tab on the top nav bar. In the signup tab, enter your chosen username and password and a confirmation of your password. Then click the 'signup' button.

To log in as an existing user, navigate to the 'login' tab on the top nav-bar and enter your username and password. Unless you explicitly log out, you will remain logged in for 28 days after visiting the site. Once 28 days have passed you will be logged out.

Once you have logged in you will be redirected to your personal logs page.

### 3.1 Vehicle type

To start a log, you are going to need to let us know what type of car you drive. This allows other users to compare their energy usage to yours. But do not worry - your username and specific log entries will never be shared with other users.

Please enter the type of fuel your car uses and select the vehicle type from the respective drop downs. Click 'create log' and begin logging your info.

#### 3.1.1 Fuel Logs

Power.Log works to provide you with the most accurate information possible. To do this, it requires you to submit a few quick logs whenever you refuel, or at any other time that you find convenient.

To add a log specify your vehicle's current odometer reading (in km) and your average fuel/power consumption (in l/100km or kWh/100km depending on your fuel type). This information should be visible on your vehicle's dashboard. Once you have filled in the appropriate fields, click 'add log' to post and add the new information to your log file.

NB: Once you have made a log please reset your vehicle's average fuel consumption. This will allow us to keep track of how your fuel efficiency changes over time.

### **3.2 Comparing your data**

Power.Log allows you to compare your fuel usage with that of other users and other vehicle types.

A 'Compare' button can be found on the navigation bar at the top of the page. Clicking on this will take you to the compare page. You may select the vehicle type you'd like to compare your data with from the drop downs on the 'add vehicle' panel. Click 'Add vehicle' to add a vehicle type you wish to be compared against. You may compare yourself to up to 5 vehicle types at once.

Once you have some vehicles to compare yourself click the 'get report' button to see how your energy usage compares to that of real vehicles driven by other users just like you.

## **4 Conclusion**

Power.log is still in its infancy. With your continued support and patience, we can improve our database, energy tracking and data visualisation capabilities.

The next update will allow you to compare carbon emissions and estimated travel costs without any additional log inputs. That means we will be able to analyse your old data too!

Our team is working tirelessly to bring you a secure and convenient energy logging experience. Stay tuned and visit the site regularly for more exciting developments.

Till then, drive safely  
Regards, Power.Log by GROOP