

# ZappyRide

## Consumer Data Points

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### ELECTRIC VEHICLES (BEVS, PHEVS)

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Make, Model, Year, Trim  
Images  
MSRP  
Seats; cargo volume  
Acceleration  
Safety ratings (NHTSA, IIHS)  
Range (all-electric, total)  
Battery capacity  
Fuel efficiency  
Charging capacity (AC, DC) and compatibility  
3rd party star reviews  
Video reviews  
Equivalent Gasoline Vehicle  
Vehicle details website  
Dealer finder website  
Availability by state and zip code

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### GASOLINE VEHICLES

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Make, Model, Year, Variant  
Images  
MSRP  
Seats; cargo volume

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EV Incentives, home chargers, EV dealers, electricians, ride and drive events, gasoline price, electricity cost, pollution, route planning & public chargers

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**EV INCENTIVES**

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Incentive description  
Grantor name  
Grantor Type (e.g. state/utility)  
Acceleration  
Aim of incentive (e.g. support vehicle purchase, home charging, etc.)  
Type (e.g. tax credit, cash rebate, etc.)  
Typical amount in local currency  
Expiration date, if known  
Limitations (e.g. budget caps), if known  
Exact value of incentive for given vehicle/charger, taking customer  
particulars into account  
URL of incentive website  
Availability by state and zip code

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**HOME CHARGERS**

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Image  
Price  
Amps  
Cord Length  
Home Outlet (e.g. Hardwired)  
Form Factor  
Plug Type  
Wifi-enabled  
Outlet compatibility  
Warranty  
Outdoor rated  
Made in America Y/N  
Sources for each data point  
Certifications

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EV dealers, electricians, ride and drive events, gasoline price, electricity cost, pollution, route  
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**EV DEALERS**

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Name  
Make  
Address  
OEM Certification  
Longitude/Latitude  
Website  
Image

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**ELECTRICIANS**

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Name  
Make  
Address  
3rd Party Certification  
Longitude/Latitude  
Phone  
Website

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**RIDE AND DRIVE EVENTS**

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Name  
Start and end date  
Location  
Event type  
Organizer  
Website for details

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**GASOLINE COST**

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Average by state

**ELECTRICITY COST**

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Average by state  
Average by utility  
Utility EV Rates

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**ROUTE PLANNING AND PUBLIC CHARGERS**

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Start Location (Location of the beginning of the trip)

Start Latitude

Start Longitude

End Location

End Latitude

End Longitude

Battery Capacity (Default Value 60 kWh)

Electric Range (Default Value 180 Miles)

Starting Charge (same as Battery Capacity)

Max DC KW Charging Intake (default value 50 kW)

Compatible DCFC Plugs (e.g. CCs, CHAdeMO)

Default Value (output in JSON or GeosON)

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**POLLUTION**

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CO2, NOx, SOx grid intensity by state

Energy generation mix