

## Range Anxiety /'rānj, əŋ-'zī-ə-tē/ noun

An anxiety characterized by an electric car driver's nagging fear of being stranded by a flat battery.

Range anxiety defines an EV driver's concern for the maximum distance an EV may travel before its battery must be recharged. Eventhough the average range for a commercially manufactured EV is a 200 mile average range should alleviate such concern, drivers should be reassured for several other reasons:

### Charging Station Coverage:

The average radius between charging stations is 50 miles in the US. This distance allows EV drivers to easily locate nearby charging points.



Approximate US EV charging units in use November 2013:  
12,000 - 14,000 Lv 2 EV Chargers 300 Lv 3 EV Chargers

Global demand for charging equipment has a projected annual growth rate of 28.8%. In otherwords the demand for changing stations has grown from 442,000 units and \$567 million revenue in 2013 to 4.3 million units and \$5.8 billion revenue in 2022.

### EV Ranges:

40 Mile Range



200 Mile Range



300 Mile Range



# EV Range

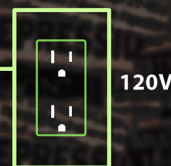


# ANXIETY

### Emergency Roadside Services:



AAA and others have adapted their response teams to provide EV drivers with fast and reliable assistance.



120V

### EV Technology Advances:

Found on public buildings, street lights, and interstate highway system, accessible 120-220 volt outlets can easily be located and used by EV drivers throughout the US. Additionally, the future of inductive charging will allow EVs to charge while driving.



240V

### EV Battery Upgrades:



EV drivers continuously benefit from an ever-increasing number of new battery advancements, such as more robust battery storage capacity with faster charge times.

### Online Resources & Mobile Apps:

Digital tools allow users to map & locate charging stations. Mobile apps can quickly and efficiently direct EV drivers to the closest charging option in case of emergency.

ChargePoint PlugShare Recargo CarStations

