

# Download Electric And Hybrid Vehicles Design Fundamentals

Electric cars are a variety of electric vehicle (EV). The term "electric vehicle" refers to any vehicle that uses electric motors for propulsion, while "electric car" generally refers to highway-capable automobiles powered by electricity. A plug-in hybrid electric vehicle is a vehicle that uses both gasoline (stored in a gas tank) and electricity (stored in a battery). Plug-in Hybrid electric vehicles can be categorized by the way they manage their gasoline and electricity: On-Board Charger Auxiliary Supply UCC28700-Q1 OR UCC28C43-Q1 Gate Driver UCC27524A1-Q1 Phase-Shifted Full-Bridge Power Stage High Voltage Battery Boost Power Stage Abstract. This chapter gives a brief overview of the following types of vehicles: battery electric vehicle (BEV), plug-in hybrid electric vehicle (PHEV), and hybrid electric vehicle (HEV).