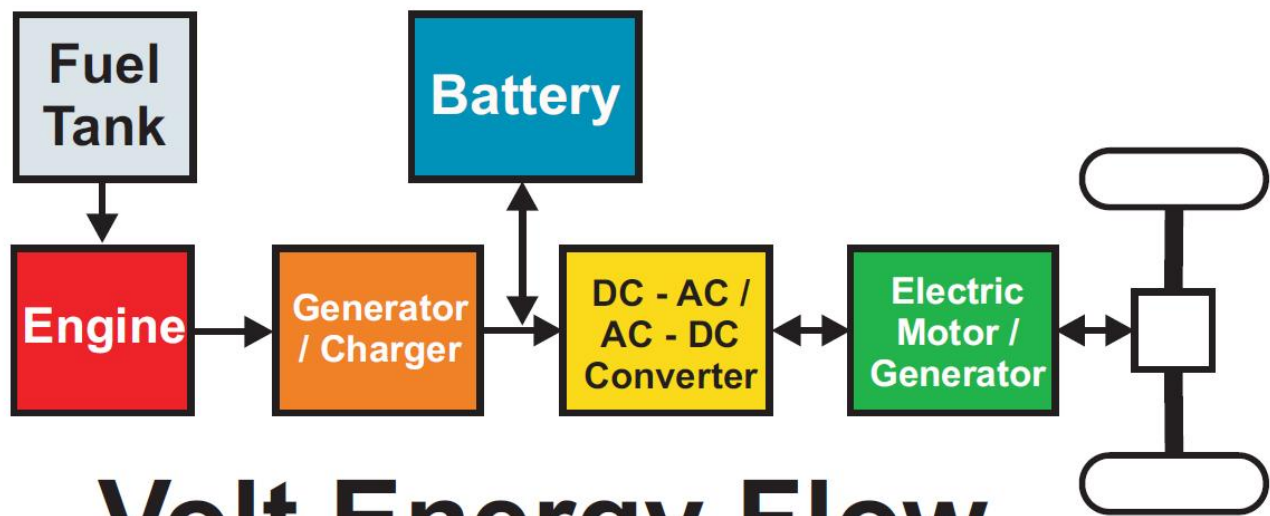


2012 Chevrolet Volt

The Volt is a series design plug-in hybrid electric vehicle (PHEV). It has two sources of energy: 1) gasoline in the fuel tank and 2) electricity in the battery. In most conditions, it uses no gasoline as long as the battery has energy available. Local driving can use no gasoline. The battery is charged using household power, either 120 or 240 volts AC. Some energy is recovered (the battery is being charged) when braking or coasting or descending down a hill.



Volt Energy Flow

| | |
|---------------------------|-----------------------------------|
| EV Range: | ~ 35-45 miles |
| Battery: | 16 KW-Hr |
| | 100,000 mile / 8 year warranty |
| Charge time: | ~ 10 hours at 120 volts AC |
| | ~ 4 hours at 240 volts AC |
| Charge cost: | <\$1 |
| Gas tank capacity: | 9.3 gallons |
| Gas fuel economy: | > 40 MPG |
| Total range: | ~375 miles |
| Electric motor: | 149 HP |
| Engine: | 1.4 L; 83 HP |
| Gas engine MPG: | ~40 (after battery is discharged) |
| Top speed: | 100 MPH |