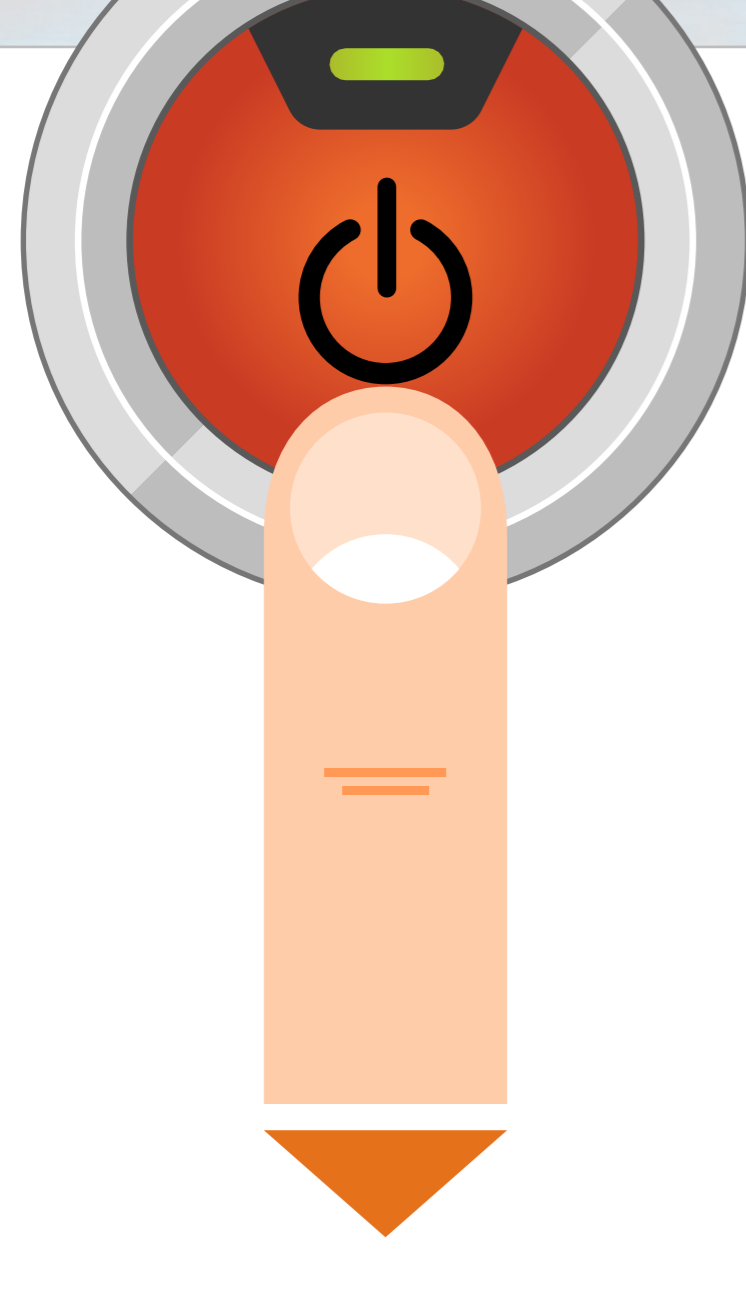
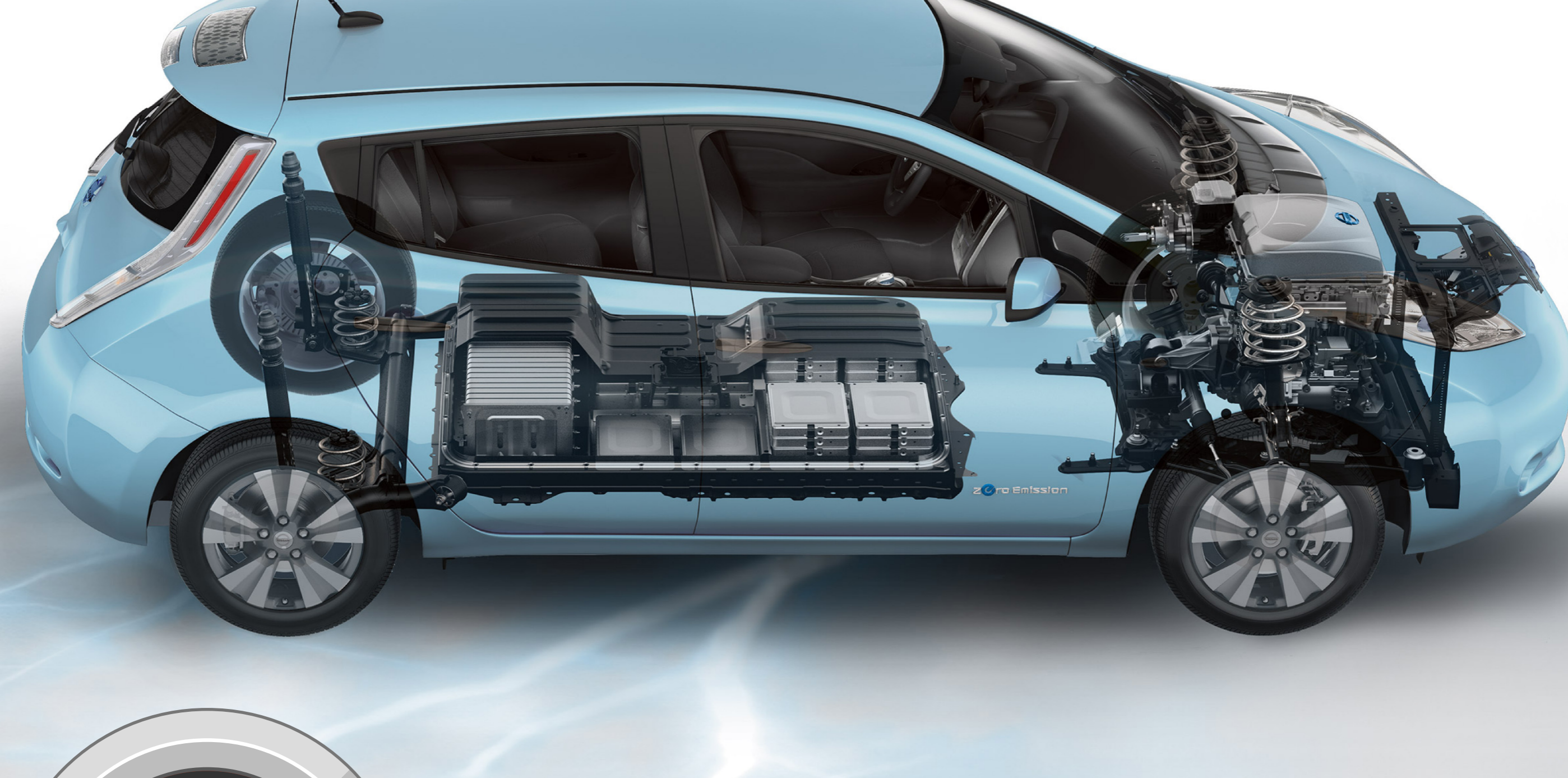




You may know the Nissan LEAF® as America's best-selling electric car.* We'd like to show you another side of it ...



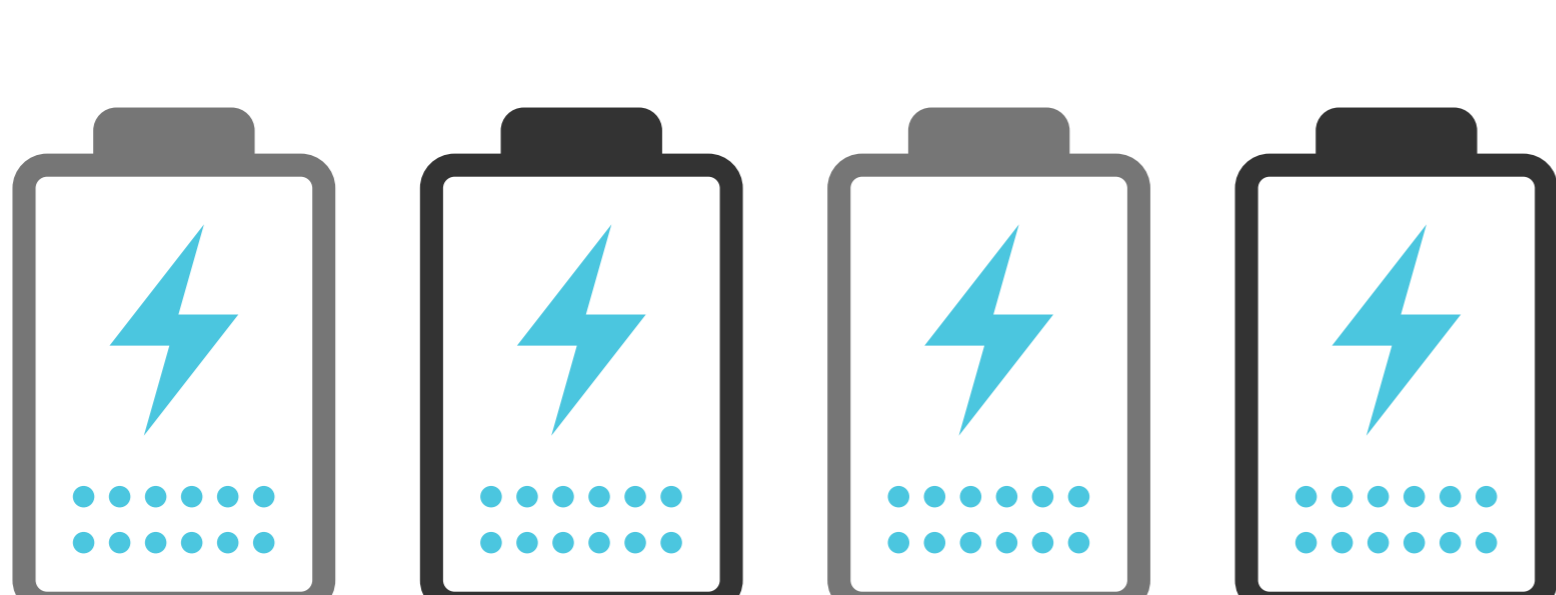
With Nissan Intelligent Key® with Push Button Start, all you need is your finger. This brings the LEAF to life!

LET'S START WITH THE BATTERY

Any idea how much power is required to move an object as heavy as a car?

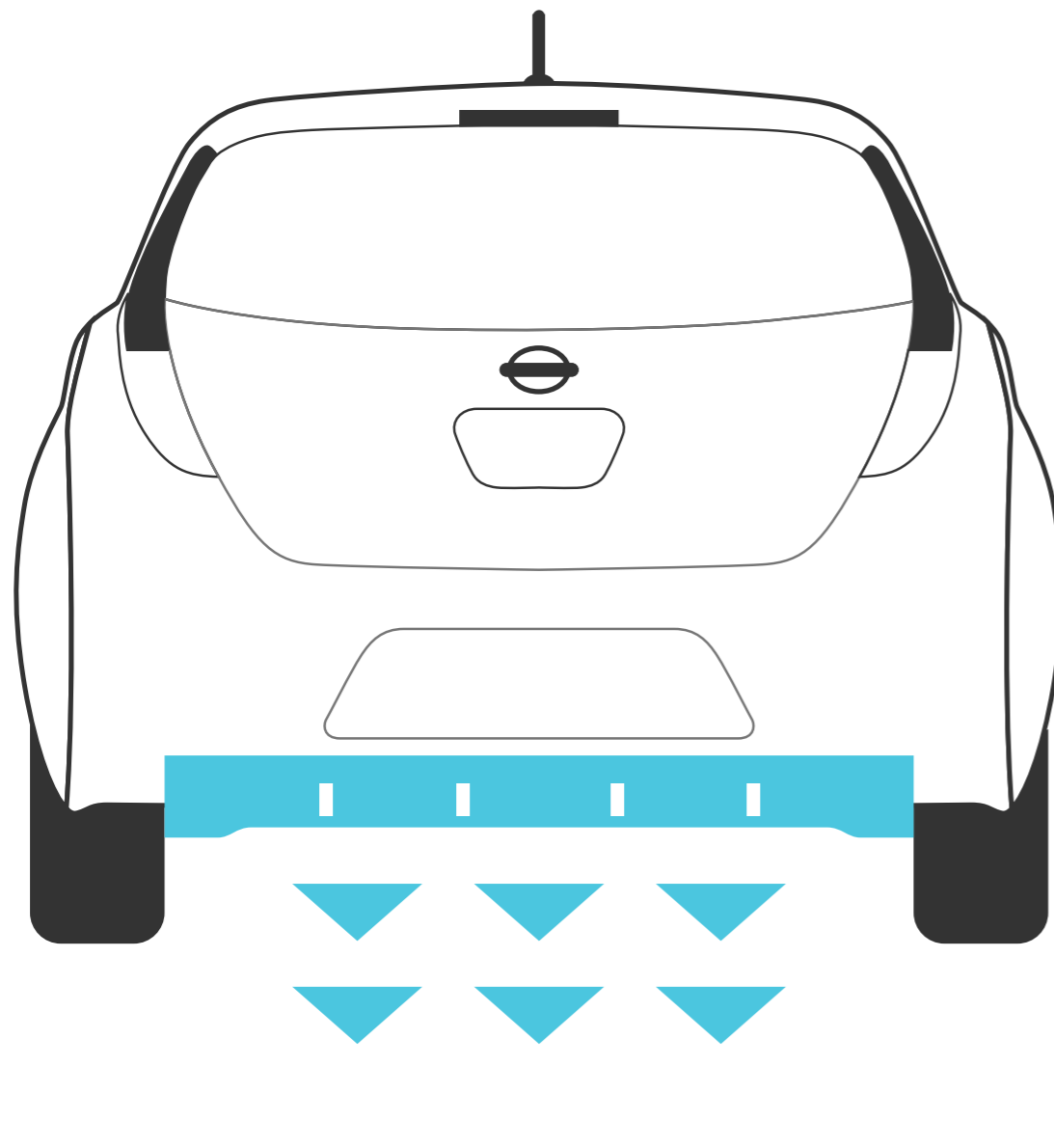
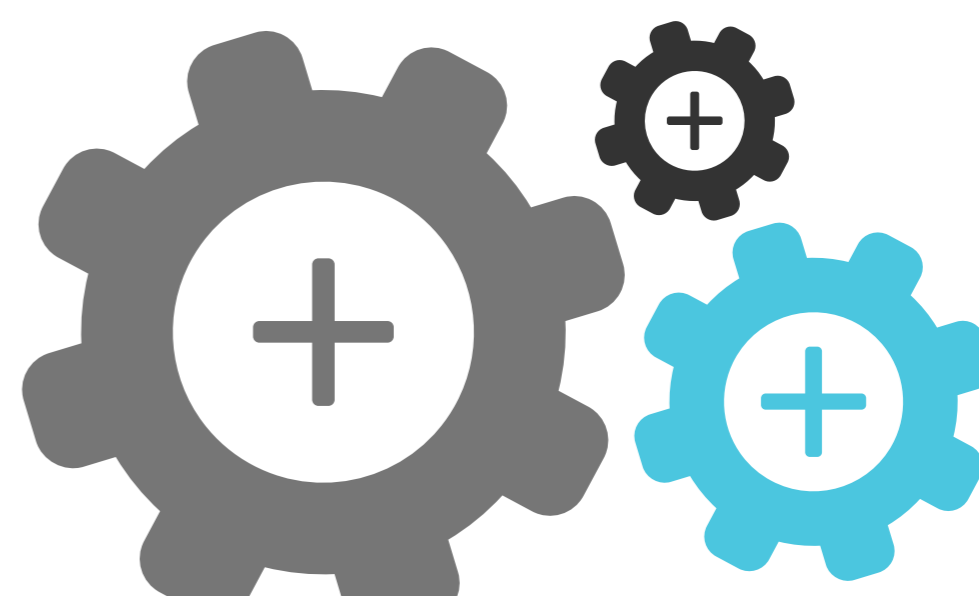
A LOT!

It takes a 24kWh lithium-ion battery with 48 lithium-ion modules to be exact.

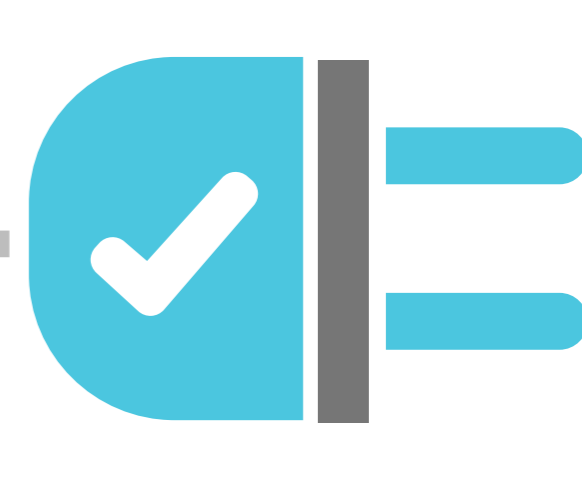


Half the weight and twice the power of batteries used in hybrids

Generates 187 lb-ft of torque off the line and 107 horsepower



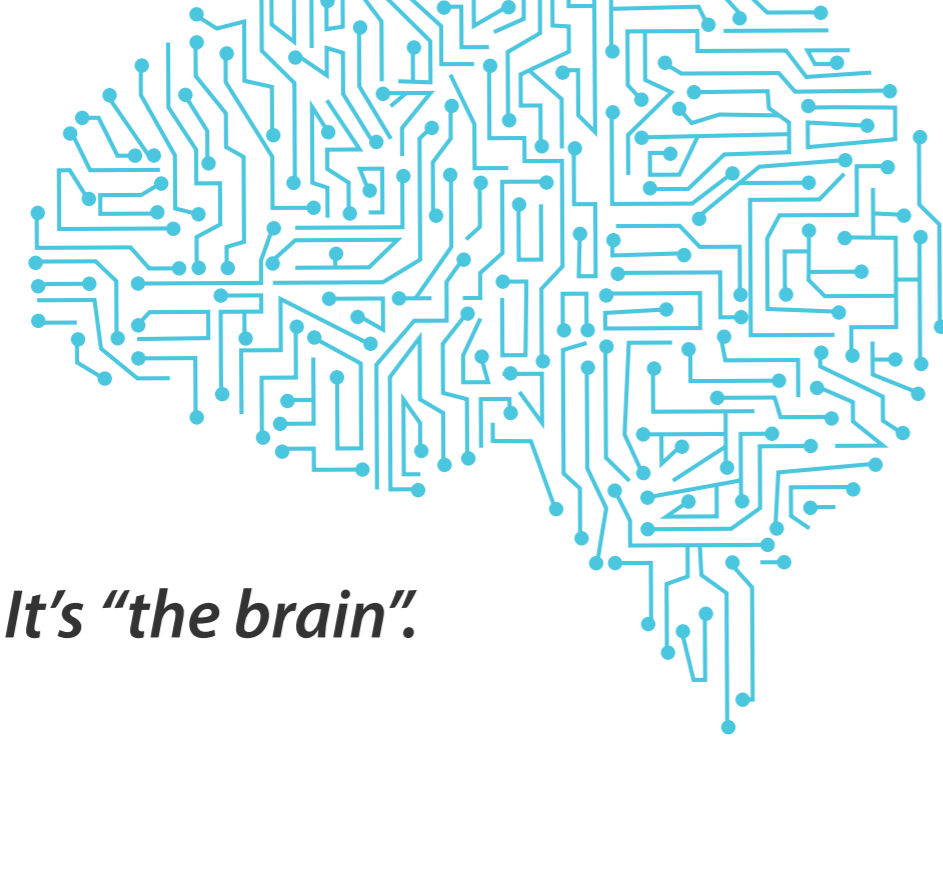
Fits snugly under the floorboard for optimal interior comfort and space
Creates a low center of gravity for fun-to-drive handling



Easily recharges using an electrical outlet or EV charging station

NEXT COMES THE POWER

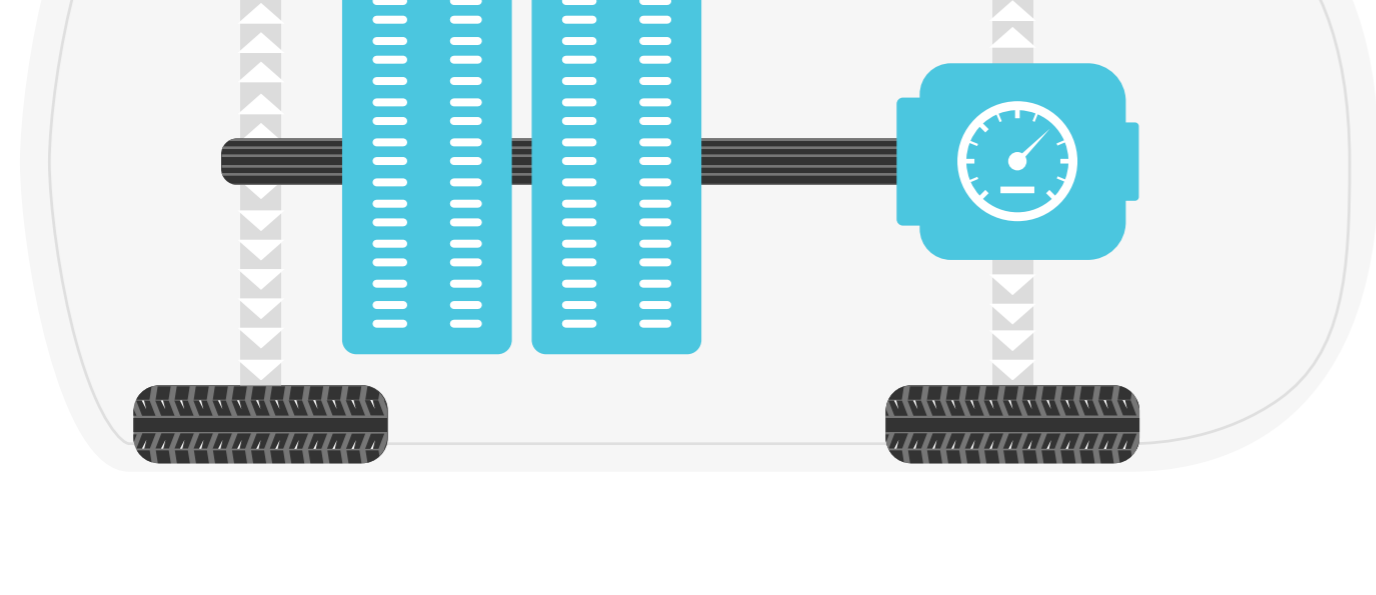
THE POWER DELIVERY MODULE (PDM)



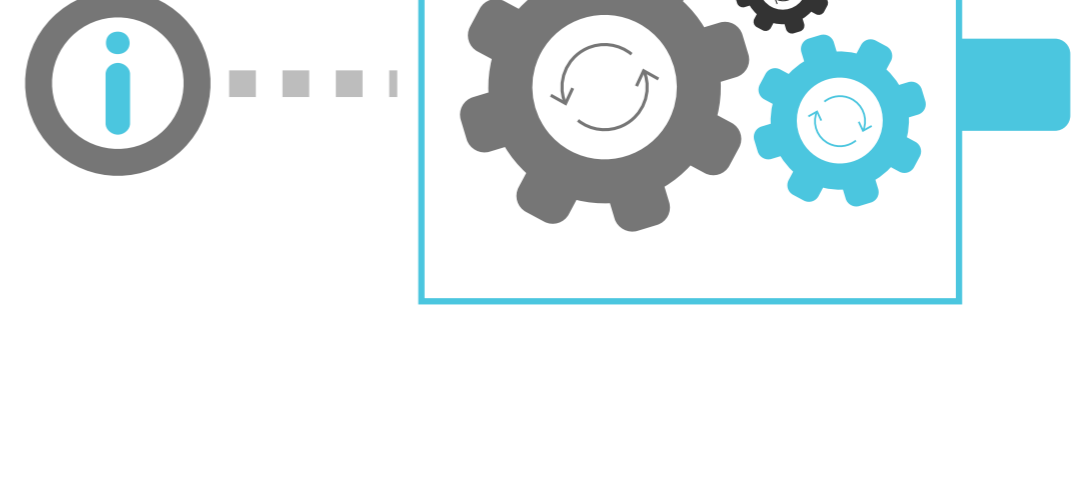
It's "the brain".



It helps regulate voltage (think of a light dimmer switch).

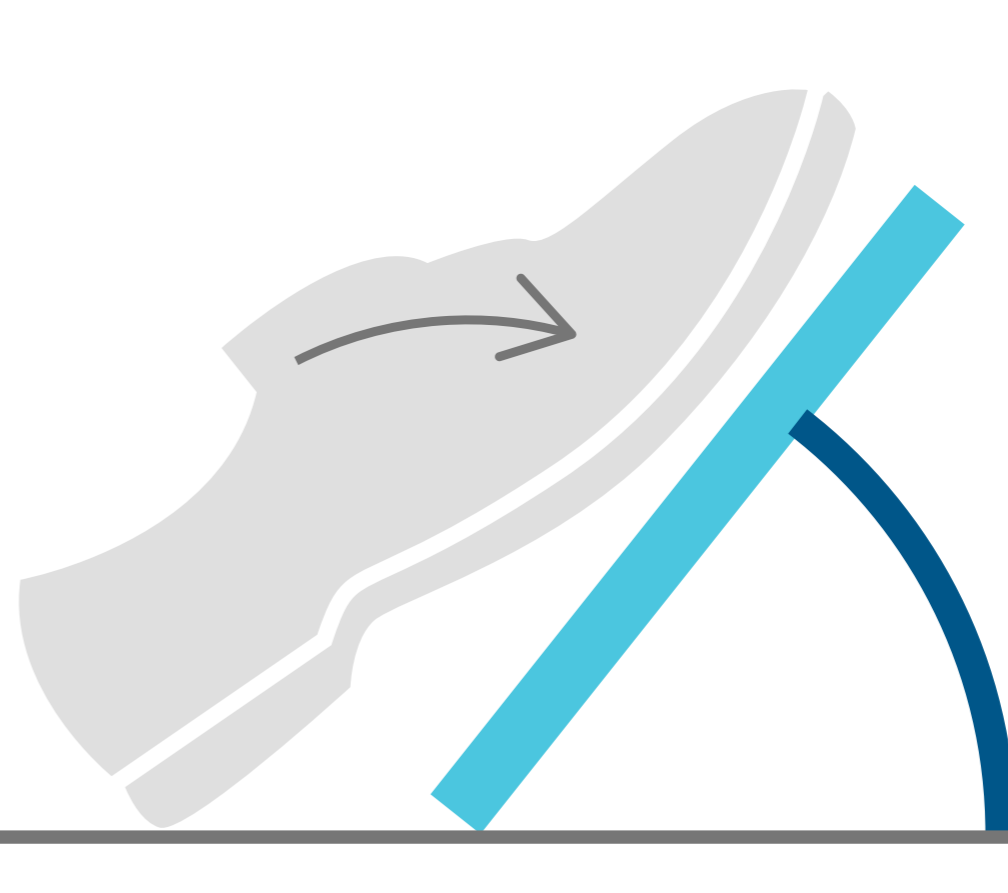


It dictates how much energy is transmitted to the wheels.



Without it, the motor wouldn't know what to do.

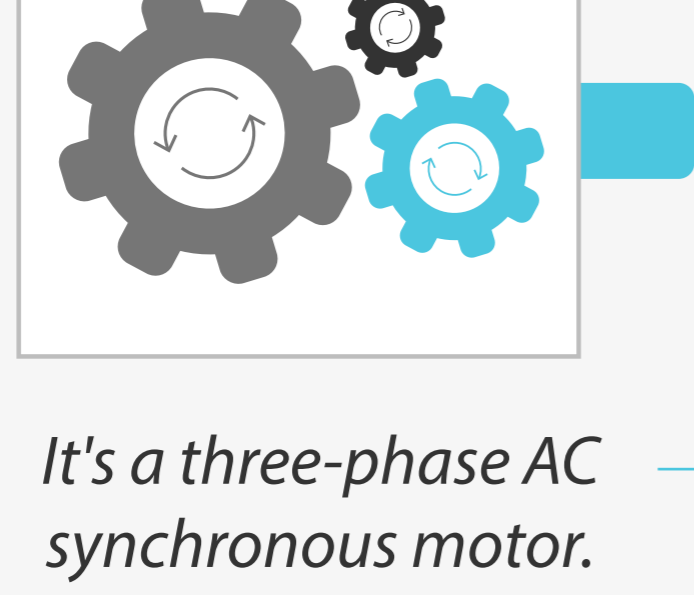
But you call the shots by telling the controller to send power to the motor to increase speed.



WHICH BRINGS US TO THE DRIVE COMPONENTS OF THE E-POWERTRAIN



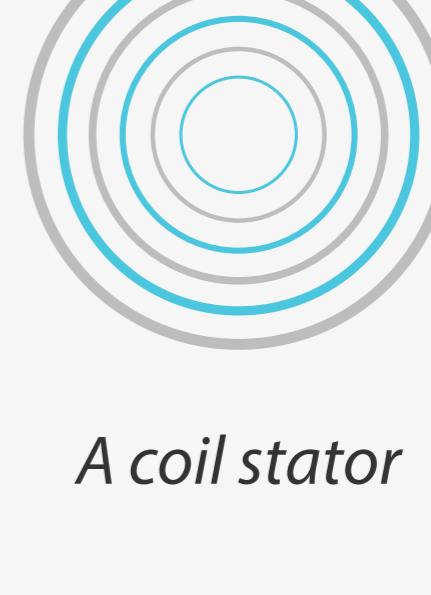
LET'S TAKE A CLOSER LOOK AT THE MOTOR



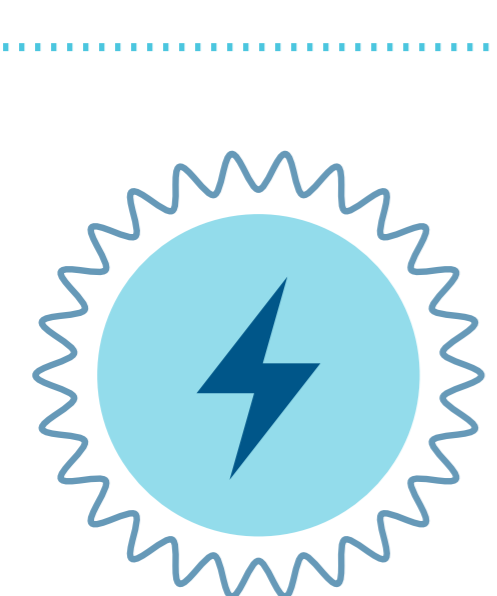
It's a three-phase AC synchronous motor.



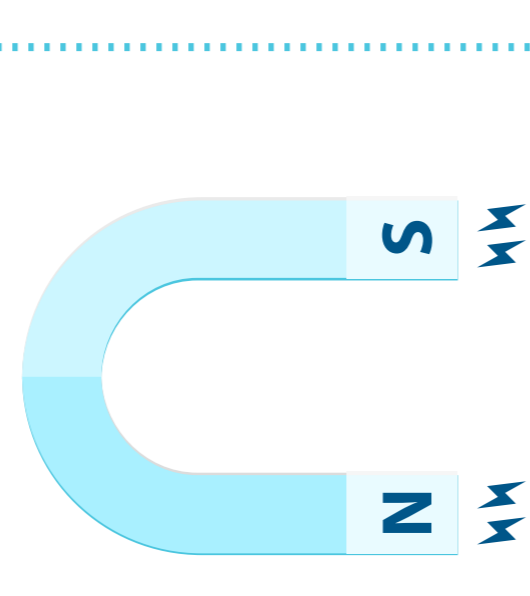
A magnet rotor



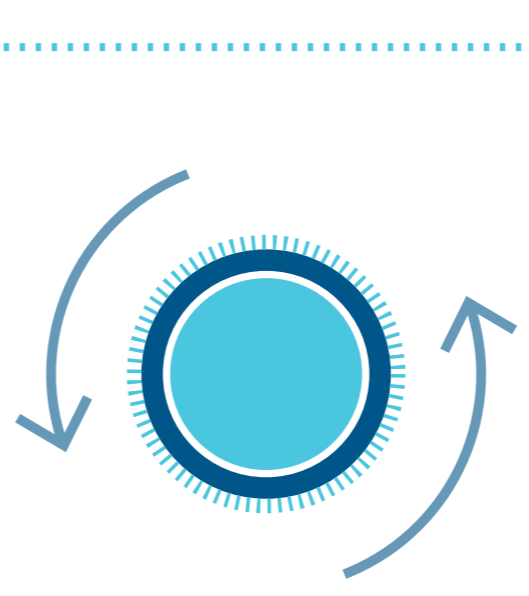
A coil stator



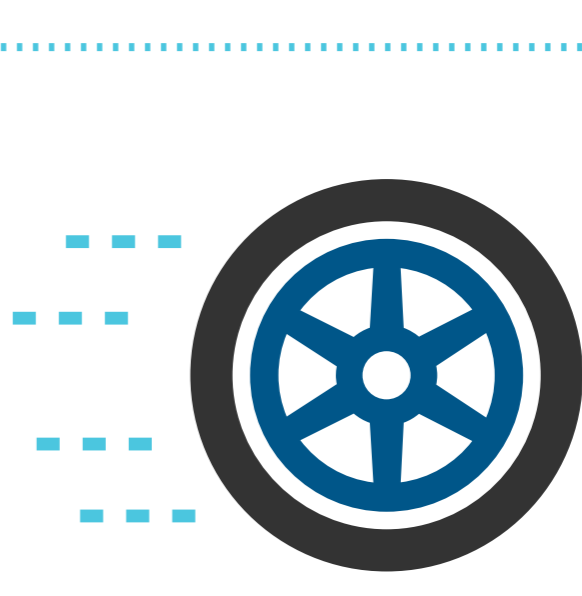
Electrical current turns the stator into an electric magnet.



This generates magnetic energy.



This turns the rotor, producing dynamic power.



The reduction drive transmits the power to the road wheels.

And just like that, your LEAF is providing ...

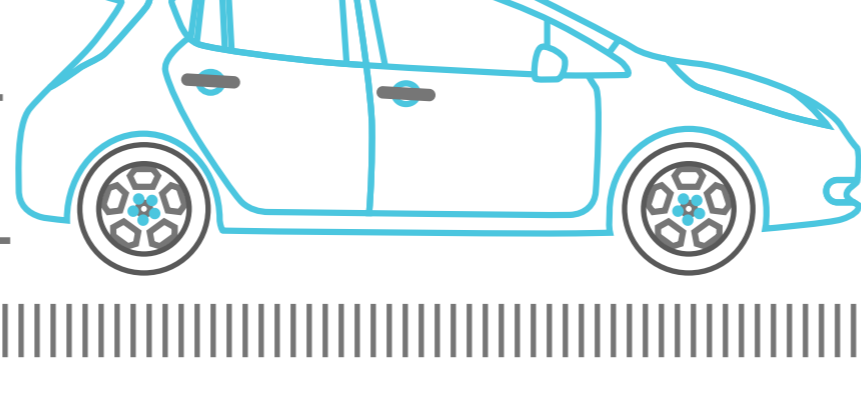


100% torque at 0 rpm for instant acceleration. **Fast enough for you?**

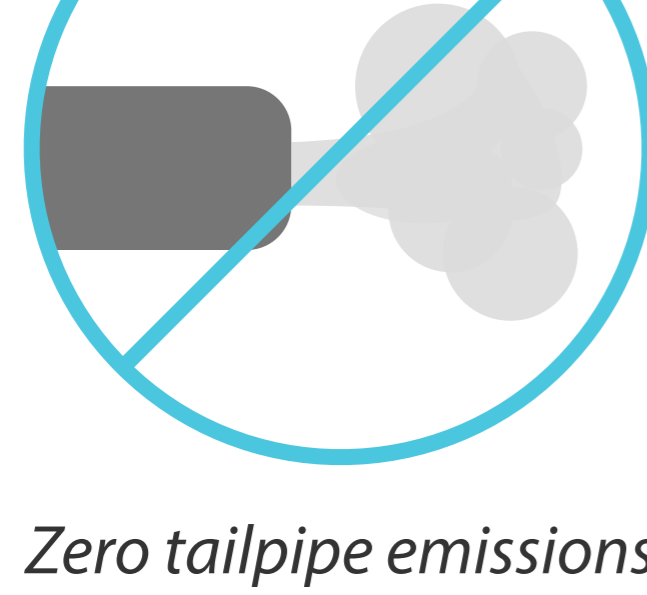
BUT BEFORE YOU GO

We wanted to share some other **EV PERKS.**

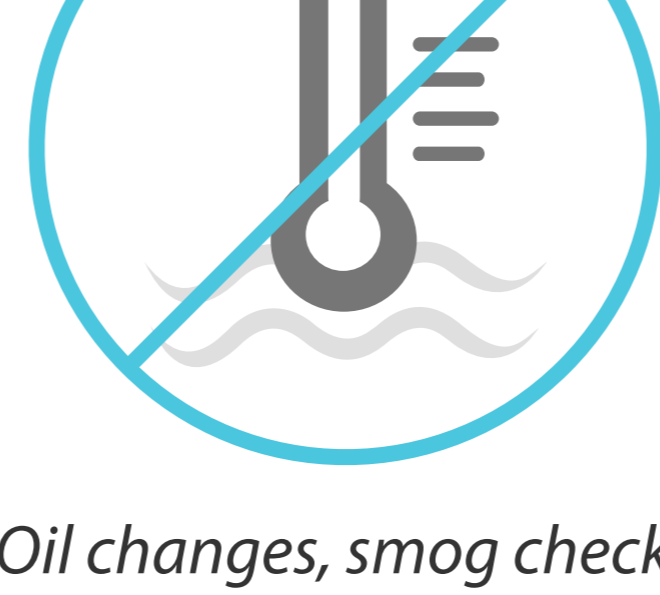
126/101 mpg equivalent city/highway**



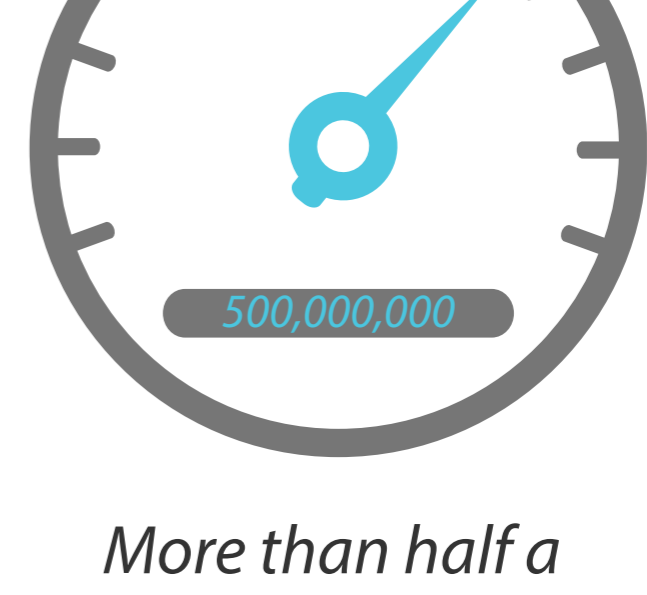
84-mile range per charge**



Zero tailpipe emissions (Zero tailpipe actually!)



Oil changes, smog checks a distant memory



More than half a billion all-electric miles driven... and counting!



The 100% electric Nissan LEAF® America's best-selling electric car*

<http://www.nissanusa.com/electric-cars/leaf/>

**Source of data: InsideEV.com Sales Data (US sales 2014). **2015 EPA Fuel Economy Estimate 126 city, 101 highway. Based on EPA formula of 33.7 kWh equal to one gallon of gasoline energy. EPA rated the LEAF* equivalent to 126 MPG measured as gasoline fuel efficiency in city driving, and 101 MPG in highway driving. Actual mileage may vary with driving conditions - use for comparison only. 2015 EPA range of 84 miles.