

# The Revolution

By Levi Porter

## Is Here



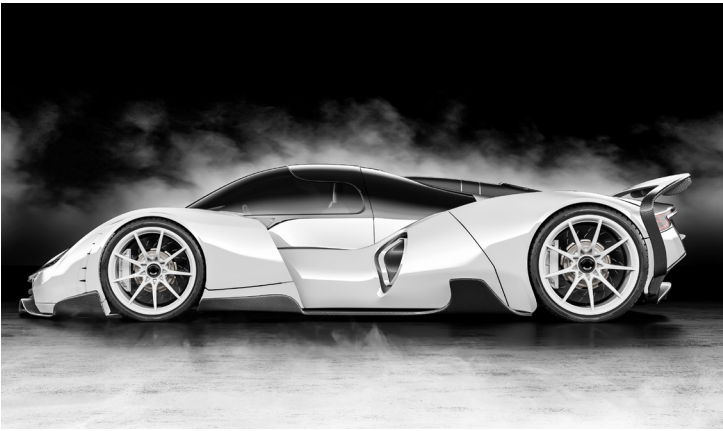
**T**he Hyperlight-KE (Kinetic Energy) is the final smackdown to gasoline and hybrid sportscars. Other electric

sports vehicles beware. The KE has been designed and refined literally from the ground up. The high-performance tires are rupture resistant and can sense the surface they are on; each electric motor driving the wheels can be manually or computer-controlled independently or in pairs. The passenger compartment shell is so strong, it's its own roll cage.

Seating in the KE is unique. It's tandem—passenger behind the driver, like in a jet aircraft—so if your idea of a sportscar is a leisurely drive in the country, you'll want to rethink the

meaning of “sports.” Like a jet, the KE will get you where you are going really, really fast, but in much more comfort. The advanced memory-foam seats auto-adapt to your body, but can still be custom-adjusted for comfort. And you'll be glad you have it, as the acceleration with pedal to the metal is 1.48 Gs. For reference, the Earth's gravity is 1 G.

It's not fighter-jet acceleration; in fact, it's only half the g-force of a roller coaster at the bottom of the first drop, but, then, the roller coaster is only moving about 75 mph. Hit a bump in the road at the Hyperlight's 300 mph top speed, and you'll wish you were only on a roller coaster. Which is why the integrated road 3D-lidar anticipates the road shape ahead and



down-shifts the speed to help keep the vehicle on the pavement. (Note: we didn't test the Hyperlight-KE's top speed on roads with pot holes or frost heaves.)

The 3D-lidar is especially useful (and important) in turns. In a gasoline dinosaur, you can tell approximately how fast you are moving from the engine noise, but the Hyperlight is totally silent. I mean, it's as quiet as that awkward silence of a first date. You really don't want to slide into that sixty-degree turn at 200 mph, and the Hyperlight figures out the maximum safe speed based on the turning radius and the road surface that the tires can sense and what it can see ahead. If you're racing way too fast, the regenerative mag-carbon braking system will attempt to drop your speed to a minimally safe level. And you'll be glad that you're wearing the race-car style shoulder harnesses, because the Hyperlight can brake without skidding at just under 2 Gs.

So, it's probably good that even the cup-holders are adapted to keep things in place no matter what contortions you're throwing the car into. Jet pilots have a HUD (Heads Up Display) so they can keep their eyes focused ahead, and the KE has its own 3D HUD that lets you see all of the important information projected as if it were on the windshield. It's not, but you can see it clearly in bright daylight or darkest night, adapting to both natural and artificial light sources, like the guy who didn't dim his lights as he drove past.

If the technology seems scary, the Hyperlight-KE also has a normal digital dashboard and a "Run-about" mode that generates different types of artificial engine noise to provide an auditory sense of the road and your speed. Definitely a concession to the nostalgic muscle-car and SUV crowd.

Speaking of speed, let's talk power. Not the absurd 480 horsepower of the combined drive motors, but the electric force that powers those mechanisms. While other electric cars have found some pretty clever places to put the batteries, the Hyperlight team have tucked the ultra-safe, solid state batteries into multiple areas in the vehicle, including the doors. The KE's electronics can track the efficiency of each separate unit and let you know if one needs to be swapped out. No more \$30,000 battery replacements; some of the solid polymer electrolyte modules are under \$1,000.

And for a car that is not only silent, but as quiet as a falling leaf on a snowy day, you want to be able to enjoy your music, and the Krell premium audio system with gestural control of its 1600 Watts and 24 speakers provides individual soundscapes for both driver and passenger with visceral bass and lush, life-like treble. Think of it as a concert hall on wheels.

The most overlooked premium feature is the doors. Like a fighter jet, the canopy hinges upward for entry. But no racecar-like twisting and bending is needed to get in or out. The vehicle sidewalls also hinge up and back like reverse butterfly doors. Even six-footers can glide



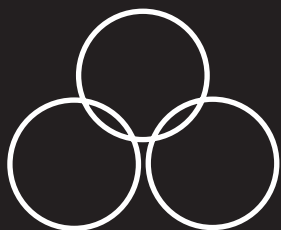


# THE REVOLUTION IS HERE

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## Introducing the all-new Hyperlight-KE

Have you been waiting for an EV that's fun to drive, looks hot, and offers the power you want? The Hyperlight-KE is everything you could ask for from a high-end sports car, including a range of 650 miles.



# H Y P E R L I G H T





# H Y P E R L I G H T

## THE REVOLUTION IS HERE

POWER AND PERFORMANCE COMBINED WITH SUSTAINABILITY FOR A BETTER TOMORROW

### HOW WE GOT HERE



Climate change is reaching alarming levels, largely due to emissions from burning fossil fuels for transportation and electricity generation. Global carbon dioxide (CO2) emissions concentration levels continue to rise at an unprecedented rate. The path the world is on currently is unsustainable and leading to catastrophic consequences.

and

At the same time, the World Health Organization estimates greenhouse gases and harmful air pollutants cause over seven million deaths around the globe every year. Reducing CO2 emissions would decrease the risk of cardiovascular disease, respiratory disease, and stroke in citizens the world over.

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We at Hyperlight are as dedicated to environmental concerns and sustainability as you are.

### IT'S AT THE HEART OF EVERYTHING WE DO

As an organization, Hyperlight cares deeply about operating our business and manufacturing our products in a sustainable way. Energy efficiency plays an important role in our long-term sustainable energy goal, and by retrofitting our existing facilities and constructing our new, more efficient facilities, we're working to reduce our energy use every day.

Here's just some of what we've already incorporated:

- Lighting design improvements including conversion to LED
- Efficiency improvements to heating and cooling systems
- Efficiency improvements to manufacturing systems
- Installation of sustainable energy systems
- Installation of water reuse and water reduction systems
- Improved wastewater and stormwater management
- Collection and recycling of all Hyperlight battery packs
- Recycling, reusing, or composting 100% of products

### HERE TO HELP YOU

We can't achieve our mission alone; it takes all of us to make a difference. To encourage all businesses and individuals to do their part in creating a sustainable energy ecosystem, Hyperlight also manufactures energy products geared to producing and managing renewable energy generation, storage, and use, powering both urban and rural communities with reliable, affordable energy that doesn't impact the environment.

Homeowners can install our solar panels or solar roof to power their home using 100% renewable energy. That energy is stored, making electricity available during peak energy use periods to save money and to provide power during grid outages.

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The Hyperlight-KE combines performance, power, and efficiency without compromising safety or style. Take one for a test drive today to experience the revolution for yourself.