



THE POWER WITHIN

# Technology for Intelligent Electrification

**What we do** is make electric motors smarter

**How we do it** is next generation power electronics



# What is the Exro difference?

Exro technology is the first of its kind in the motor and generator drive technology field. With the intelligence to reconfigure electric machines in real-time, our patented technology expands the capabilities for electric power train systems. We have developed a new controller for electric motors we call our Coil Driver that replaces classic inverters.

As the market for electric transportation expands, the limitations of traditional electric machines and power electronics technology are becoming more evident. In many increasingly prominent applications, traditional methods cannot meet the required performance. This means either compensating with additional equipment or implementing a mechanically geared solution.

Now with our Coil Driver, we can calculate the system's demands for torque or speed, and seamlessly switch the configuration to match the desired output. That means you can electronically optimize the power train, extend operating ranges, and increase operational efficiencies. We can help to make the highest performing vehicles in the market.

## What Exro can do for you

- ✓ Optimize powertrain systems
- ✓ Extend operating ranges
- ✓ Decrease system costs
- ✓ Reduce machine weight or size
- ✓ Improve operational efficiency
- ✓ Eliminate mechanical components
- ✓ Expand performance capabilities and flexibility, including:
  - ✓ Improved power
  - ✓ Towing capacity
  - ✓ Top speed
  - ✓ Acceleration
  - ✓ Gradeability
  - ✓ Torque

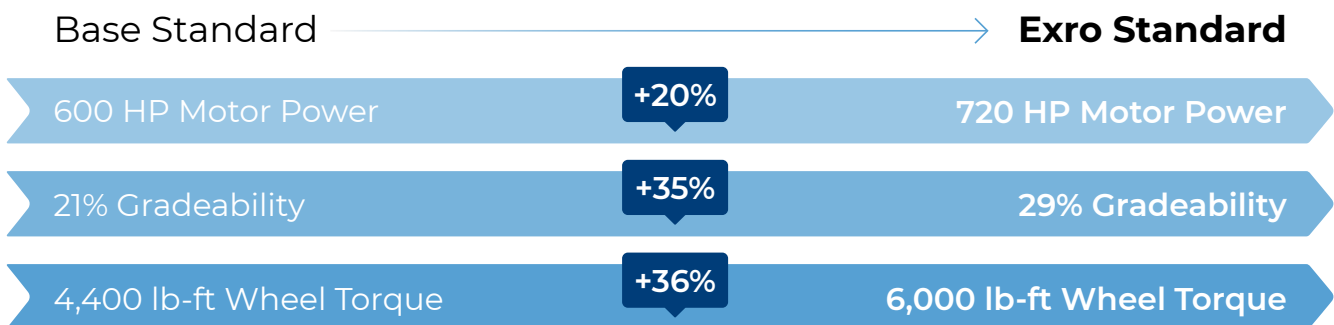


Figure 1. Standard electric vehicle configuration output compared to the same electric vehicle with Exro Coil Driver technology.

**Our Mission** is to use minimum energy for maximum results



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