

V O L V O

VNR ELECTRIC SERIES

Product Guide



Volvo Trucks. Driving Progress.



Going further with electric

At Volvo Trucks we're committed to innovation. Innovations to increase productivity for our customers with zero emissions, provide quieter solutions for working in urban areas, and improve the world around us. Our achievements in electromobility allow us to do it all.

Today we are proud to introduce enhanced VNR Electric models with an 85% increase in range, up to 275 miles. Plus, faster charging and a wider range of configurations. It's the kind of innovation you expect from the first and only OEM in North America making, selling, and servicing fully electric, battery-powered heavy-duty trucks.

Additional specifications	
Applications	Local distribution and regional transportation with planned routes and frequent stops. Including food and beverage, and other short driving cycle services.
Power	340kw/455hp continuous/4,051 lb-ft peak output torque
Total battery capacity	4 Batteries: 377kWh 6 Batteries: 565kWh
Charging	Up to 250KW DC charge rate with CCS1 or CCS2
Charging time	4 Batteries: 60 min (80% charging at 250KW) 6 Batteries: 90 min (80% charging at 250KW)
Braking energy	Between 5-15% of brake energy is regenerated back into the Battery Energy Storage System, depending on cycle
Transmission	Two-speed I-Shift Automated
Driveline	Volvo Trucks electric driveline
Speed	65 mph

Catch lightning in a bottle

Four-battery configurations

Our improved four-battery system is available in five configurations. Order it as a tractor with 4x2, 6x2, or 6x4 setup. Or choose a straight truck with 4x2 or 6x4 axle option. Whatever your need, there's a VNR Electric that fits your local delivery application.

Drive train

The VNR's electric motor is rated at 455 hp with up to 4,051 lb/ft torque. The fully-integrated driveline features a two-speed I-Shift transmission for smooth acceleration on the highway and effortless starts at stoplights and intersections. Slow-speed maneuvers are simple as well, including backing in close quarters. It's all possible because the electric drive train provides instant maximum torque.

Still a VNR

While the driveline is revolutionary, the truck itself is immediately familiar, based on the highly popular Volvo VNR. Drivers will instantly recognize the maneuverability, visibility, and safety that are part of every Volvo. Each VNR Electric comes with the same interior amenities and intuitive features that make the VNR a driver favorite.



4x2 truck

4-battery operating range: Up to 230 miles
GVW: Up to 33,000 lbs.



6x4 truck

4-battery operating range: Up to 190 miles
GVW: Up to 54,000 lbs.



4x2 tractor

4-battery operating range: Up to 175 miles
GCW: Up to 66,000 lbs.



6x2 tractor

4-battery operating range: Up to 175 miles
GCW: Up to 82,000 lbs.



6x4 tractor

4-battery operating range: Up to 175 miles
GCW: Up to 82,000 lbs.



With great power, comes great range

Six-battery configurations

An expanded six-battery system now provides greater flexibility in hauling. Our 6x2 and 6x4 offerings can cover up to 275 miles on a single charge. This six-battery configuration makes electrification viable for a wide range of local and regional fleet operations.



6x2 tractor	
6-battery operating range:	Up to 275 miles
GCW:	Up to 82,000 lbs.

6x4 tractor	
6-battery operating range:	Up to 275 miles
GCW:	Up to 82,000 lbs.

Fully charged

The operating range of up to 275 miles is supported by a robust 565 kilowatt hour storage capacity. The six-battery option features our fastest charge times ever. A 250kw charge rate can provide an 80% charge in as little as 90 minutes, allowing for multiple routes in a single day.

Volvo Gold Contract

Volvo Trucks offers North America's most comprehensive service contract standard with the VNR Electric. The Gold Contract provides peace of mind by covering maintenance, towing, uptime services and full coverage of major components including batteries, powertrain and driveline.

With you every step of the way

We've spent years developing complete solutions for electromobility. No OEM is more qualified to help you with the vehicle, service contract, financing, and charging infrastructure you'll need for your electric fleet. As the global leader in zero-emission electric trucks, Volvo is committed to reducing pollution, noise, and traffic on crowded urban streets.

We are expanding the network of Volvo Trucks Electric Vehicle (EV) Certified Dealerships. The sales teams at our EV Certified Dealerships are fully educated on guiding customers through the transition towards electromobility solutions, and the service teams are trained and equipped to safely perform battery-electric truck maintenance and repairs.

V O L V O