

V E C T R I X P E R S O N A L E L E C T R I C V E H I C L E S

VX-1



The Ultimate Personal Electric Vehicle.

Smile through traffic. Laugh past gas stations.

When we created the renowned Vectrix VX-1, we pulled out all the stops. We gave it 3.7 kilowatt/hours of high-performance Nickel-Metal-Hydrate (NiMH) battery technology, to give it an unprecedented 62-mph top cruising speed and a long-commute-ready 35-55-mile range*.

Power to the people.

We engineered our own 26.2 horsepower (21 kW) rear-hub motor to deliver traffic-beating 6.8-second 0-to-50 acceleration. And created a stable, highly durable aircraft-aluminum space-frame chassis that lets the VX-1 feel just as solid and steady at 62 miles an hour as it does at 16.

Saving the planet? It's easy.

We also invented the world's first Go-Stop-Reverse throttle, that lets you operate the VX-1 in most driving situations using just one simple, intuitive control. Made sure the seat is plush when you're riding, but low enough to make shorter riders just as secure as taller ones when you stop. And designed the clever under-seat storage compartment so that it easily holds a full-face helmet, letting you get off and go just as quickly as you arrived.

Charge!

To make refueling easy, we gave the VX-1 its own shielded, braided-stainless charging cord. You just plug it in to any standard outlet, letting you recharge when you're at work, or overnight, when electric rates are low and grid capacity is high.

Gas stations? Trust us. You won't miss 'em.

**Under normal riding conditions. Results may vary.*



Instrumentation: Vital functions are shown in a high-tech display, with system status on the left, battery charge on the right, and an analog speedometer placed front and center.

Brembo Disc Brakes: The patented Go-Stop-Reverse throttle and regen braking handle routine stops, and sportbike-spec Brembo disc brakes deliver more-aggressive deceleration.

Recharging: The VX-1 is easily recharged just about anywhere, using the built-in stainless-shielded recharging cord stored in the under-seat cargo area.



Available Colors



PREMIUM

	VX-1
PERFORMANCE	
Maximum speed	62 mph
Acceleration	0-50 mph in 6.8 seconds
Range	35-55 miles*
Throttle	Patented Multi-Function Throttle provides regenerative braking and slow-speed reverse
COMPONENTS	
Braking	Front and rear Brembo disc brakes
Tires	Pirelli: GTS23 120/70-14 (Front) Pirelli: GTS24 140/60-13 (Rear)
Front Fork	35mm Marzocchi telescopic fork
Rear Suspension	Sachs twin shocks; preload adjustable
Chassis	Lightweight aircraft-aluminum space frame
Battery	Nickel Metal Hydride (NiMH)
BATTERY	
Capacity	3.7 Kilowatt/Hours
Voltage	125V
Charger	1.5kW on-board battery charger, 110V-220V (50/60Hz)
Recharge Time	2 1/2 hours (80%)
Discharge Cycles	1,700
Estimated Life	10 years/50,000 miles
MOTOR AND GEARBOX	
Motor Type	Brushless DC, radial air-gap rear-hub motor
Power	Peak power 21 kW (28.2 HP) at motor shaft,
Torque	Maximum torque: 65 Nm (47.9 ft/lbs)
Gearbox	Integrated rear-wheel mounted planetary gear drive
ELECTRONICS	
Controller	DSP & IGBT based all-digital electronic control and motor drive system
Instrumentation	Central analog display and two side LCDs show speed, odometer, battery charge, estimated range and system status
Data system	Controller Area Network (CAN), Systems diagnostics and communication via laptop interface
DIMENSIONS	
Weight	515 lbs (234 kg)
Wheelbase	60" (1524mm)
Seat Height	30.5" (775 mm)
Storage Capacity	Under-seat: 1.41 cu ft (1 full-faced helmet); Glove compartment: .21 cu ft; Optional top case: up to 1.66 cu ft
Carrying Capacity	2 passengers
WARRANTY	24 months
EMISSIONS	Pollutants: Zero. CO2: Zero. Exhaust Noise: Zero



* Under normal riding conditions. Results may vary.