


	VX-1 Li / Li+
PERFORMANCE	
Maximum speed	68 mph
Acceleration	Li = 0-50 mph in 6.0 seconds / Li+ = 0-50 mph in 6.25 seconds
Range	Li = 40-60 miles* / Li+ = 55 to 85 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	Lithium Iron Phosphate (LiFePO4)
BATTERY	
Capacity	Li = 3.7 Kilowatt/Hours / Li+ = 5.4 Kilowatt/Hours
Voltage	125V
Charger	1.5kW on-board battery charger, 110V-220V (50/60Hz)
Recharge Time	Li = 2 1/2 hours (80%) / Li+ = 4 to 5 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 sealed 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	Li = 425 lbs / Li+ = 460 lbs
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 (GVWR = 938 lbs)
WARRANTY	24 months
EMISSIONS	Pollutants: Zero. CO2: Zero. Exhaust Noise: Zero



VECTRIX™

UNPLUG AND PLAY

VECTRIX ZERO – EMISSION VEHICLE FEATURES

Powerful and fast – Rapidly accelerates to a top speed of 68 mph.

Superior handling due to a low center of gravity, quality components and even weight distribution.


Range up to 55-85 miles* on a single charge, due to our unique regenerative braking technology.

All-electric with zero emissions,** no need for oil or gas, and virtually silent operation. Plugs into any standard outlet and charges battery to 80% capacity in 2.5 hours.

Low Maintenance - with no oil, no filters, and no clutch your cost of ownership is minimal.

Cost-effective at less than 1¢ per mile† to operate. The on-board batteries have an estimated lifespan of 10 years (based on 5,000 miles per year operation).

* Speeds and range vary based on riding conditions and operation.
** This vehicle produces zero emissions during operation.
*** All Specifications subject to change without notice.
† Based on a cost of 10.97 cents per kW/h.



VECTRIX

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The Vectrix VX-1 Li / Li+:

Unplug and Play

- Energy cost: About 1 cent a mile*
- Range: up to 55-85 miles
(Depending on speed, rider weight and driving habits.)
- Top speed: 68 mph
- Pollution: Zero
- Carbon Emissions: Zero
- Noise: Nearly Silent



Charging:
Any 110-Volt Outlet.
Charging Time: 2.5 Hours (to 80%)

Shocks:
Sachs Dual Rear

Planetary Gear Drive:
Rear-Wheel-Mounted

Radial Air-Gap DC Motor:
28.2 Horsepower Brushless



Multi-Function Throttle:
To accelerate, twist the throttle back. To slow, roll it forward, engaging regenerative braking. When stopped, rolling the grip forward activates reverse.

Storage:
1.4 Cubic Feet
(1 Full-Faced Helmet)
Optional Top Case:
Up to 1.7 Cubic Feet



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.



Headlight:
Dual 35W Phillip HS1



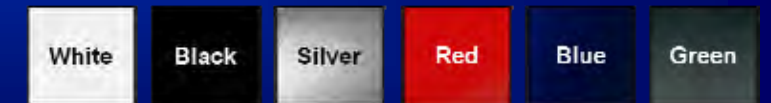
Telescopic Fork:
Marzocchi 35mm

Aluminum Space Frame:
Strong, Lightweight

Brakes:
Brembo Disc, Front and Rear



Available Colors:



*Energy cost based on US-average electricity cost of 10.97 cents per kWh.