

Saving the world.
It's going to be a lot more
fun than we thought



The Vectrix *VX-1*



VECTRIX
E L E C T R I C S

GOOD. CLEAN. FUN.

SERIOUS FUN

VECTRIX VX-1



Vectrix costs approximately 90% less to run when compared to a 400cc combustion engine



Introducing the Vectrix VX-1 Electric Maxi-Scooter - a revolution in urban transportation. It's the world's first high-powered electric two-wheel vehicle designed specifically to compete with petrol scooters. It offers *brehtaking acceleration, low running costs, minimal maintenance, simple operation, low noise, and zero emissions.* The Vectrix maxi-scooter is the perfect solution for urban commuters. Its top speed of 100 km/h (62 mph) and fast acceleration make it easy and safe to zip in and out of traffic. The onboard charger plugs into any standard electrical outlet to quickly charge the batteries. With ample storage and long range, the Vectrix

maxi-scooter will more than satisfy your commuting and recreational needs. It's fun to ride and easy to operate. A low center of gravity and stiff frame provide excellent handling, and the *patented throttle-activated regenerative braking system* slows the Vectrix maxi-scooter smoothly and safely. Parking is a breeze with the *slow-speed reverse function.* Vectrix uses innovative zero-emission technology to offer a clean, quiet, and much-needed alternative to existing internal combustion two-wheel vehicles.

JOIN THE REVOLUTION...

Full range of tailor-made accessories available



"Is it any good? The short answer is yes"

Andrew Kealy, Irish Independent

"Charge ahead with a Vectrix"

Finn Gillespie, Sunday World

"Electrify your daily commute"

Conor Twomey, Irish Times

**Fancy a test ride?
Call us today at:**

 **Green machines**

01 4900470


VECTRIX
ELECTRICS
GOOD. CLEAN. FUN.

VX-1 COLOURS



Sapphire Blue/White



Pearl White



Tailor-made Fleet Colours



Burgundy/White



Metallic Silver/White



Extreme Green/White (Premium*)

*Premium Matt Black also available on request (Colours shown may vary slightly due to printing on paper)

The Vectrix VX-1 Specifications

PERFORMANCE

Max Speed . . . 100 km/h
Acceleration . . . 0-80 km/h in 6.8 seconds
 . . . 0-50 km/h in 3.6 seconds
Range Up to 85km
Braking Patented multi-function
 throttle (DAaRT™)
 provides regenerative braking
 & slow-speed reverse
 Front & rear Brembo disc
 brakes

COMPONENTS

Tyres Pirelli: GTS23 120/70-14
 (Front)
 Pirelli: GTS24 140/60-13
 (Rear)
Front Fork . . . Marzocchi Telescopic Fork
Suspension . . . Sachs Twin Shocks
Frame Lightweight Aluminum frame

BATTERY

Battery Type . . . Nickel Metal Hydride
 (NiMH)
Capacity 30Ah, 3.7 kWh
Voltage 125V
Charger 1.5 kW on-board battery
 charger;
 110V-220V (50/60Hz)
Recharge Time . . 2 hours (80%)
 2.5 hours (100%)
Discharge Cycles 1,700
Estimated Life . . 10 years or 80,000 km

MOTOR & GEARBOX

Motor Type Brushless DC, radial
 air-gap motor
Peak Power 2.1kW @ 3000rpm
 Max continuous power:
 1.7 kW

Torque Maximum torque: 65 Nm
 Maximum continuous
 torque: 22 Nm
Gearbox Coaxial integrated rear-
 wheel mounted planetary
 gear drive

ELECTRONICS

Controller DSP & IGBT based all-
 digital electronic control &
 motor drive system
Instrumentation . LCD display: speed,
 odometer, battery charge,
 estimated range,
 system status
Communications Controller Area Network
 Bluetooth Systems
 diagnostics & communication
 via laptop interface

DIMENSIONS

Weight 198 kg
Wheelbase 1,525 mm (60")
Seat Height . . . 775 mm (30.5")
Wheels Front: 14", Rear: 13"
Storage Capacity Under-seat: 40 ltr
 (1 full- faced helmet)
 Glove Compartment: 6 ltr
Top case Up to 47 ltr
Carry Capacity . . 2 passengers

OTHER

Warranty 24 months
Emissions Zero
CO2 Zero
Acoustics Negligible
License Required A/A1 License (R.O.I.)
 CBT/Motorcycle License
 (N.I.)

Unique Patented Regenerative Braking System



Vectrix has a unique throttle-activated regenerative braking system which *re-directs energy back to the battery* in much the same way as a hybrid vehicle. This increases the riding range by up to 12% and saves energy which would otherwise have been lost.

The braking system slows the Vectrix smoothly and safely in a similar way to ABS (Anti-Lock Braking System).

Parking is also made easier with the *slow speed reverse function*.

VX-1e

Street Smart



Maximum speed50 mph
Acceleration0-40 mph in 8.0 Seconds
Range20-30 miles

ThrottlePatented multi-function throttle provides
regenerative braking and slow-speed reverse
BrakingFront and rear hydraulic disc brakes
Tyres120/70-14 (Front) 140/60-13 (Rear)
Front Fork35mm telescopic fork
Rear SuspensionTwin shocks; preload adjustable
ChassisLightweight aircraft-aluminum space frame

BatteryMaintenance-free sealed lead/acid
Capacity3.12 Kilowatt/Hours
Voltage120VDC
Charger1.5kW on-board battery charger,
110V-220V (50/60Hz)
Recharge Time4 hours
Discharge Cycles300
Estimated Life3 years

Motor TypeBrushless DC, radial air-gap rear-hub motor
PowerPeak power: 18.6 KW (25 HP) at motor shaft
TorqueMaximum torque: 55 Nm (40 ft./lbs)
GearboxIntegrated rear-wheel mounted planetary
gear drive

ControllerDSP & IGBT based all-digital electronic
control and motor drive system
InstrumentationCentral analog display and two side LCDs
show speed, odometer, battery charge,
estimated range and system status
Data systemController Area Network (CAN),
Systems diagnostics and communication via
laptop interface

Weight240kg
Wheelbase60" (1524mm)
Seat Height30.5" (775 mm)
Storage CapacityUnder-seat: 1.41 cu ft. (1 full-faced helmet)
Glove compartment: .21 cu ft.
Top case: up to 1.66 cu ft.
Carrying Capacity2 passengers
Warranty24 months
CO2 EmissionsZero



LCD Dashboard

VX-2

Twist & Go!



Maximum speed30 mph
Acceleration0-30 mph in 7.0 Seconds
Range40-55 miles

BrakingFront and rear hydraulic disc brakes
Tyres130/60-13 (Front) 130/60-13 (Rear)
Front ForkTelescopic fork
Rear SuspensionSingle shock, oil pressure, preload-adjustable
ChassisPowder-coated tubular-steel space frame

BatterySealed Silicon/Lead
Capacity2.8 Kilowatt/Hours
Voltage48V
ChargerOn-board/removable 48V/20A battery
charger; 110V-220V (50/60Hz)
Recharge Time3.5-5 hours
Discharge Cycles350
Estimated Life3 years

Motor TypeBrushless DC rear-hub motor
PowerPeak power: 4 kW at motor shaft

ControllerElectronic control with "Normal"
and "Booster" modes.
InstrumentationCentral analog/digital display including
speedometer, odometer, battery charge, and
system status

Weight195 kg
Wheelbase54.5" (1385mm)
Seat Height29.9" (760mm)

Warranty12 months
CO2 EmissionsZero



Fancy a Test Ride?

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