

CEMOTO EB40 — Electric City Commuter Bike

“ A step-thru urban commuter eBike with a 750W hub motor, 48V 15Ah battery and a full commuter kit including rear rack and fenders — designed to be street-legal at Class 2 limits.

Product page: cemotoride.com/products/cemoto-eb40-electric-city-commuter-bike

EB40 — Main view

Overview

The CEMOTO EB40 is the step-thru city commuter in the CEMOTO eBike range. It pairs a 6061 aluminum alloy frame with a 750W BLDC hub motor and a 48V 15Ah lithium-ion battery, giving a claimed range of 40+ miles.

CEMOTO markets it as **Class 2 street legal** with a top speed of **20 mph**, which places it in the most permissive US category for eBike use on public roads and paths. It ships with a complete commuter kit — rear rack and fenders included — rather than as an add-on purchase.

The step-thru geometry (low-step frame for easy mounting) makes it straightforward to get on and off in traffic and in everyday clothing.

Available colors

Color
White
Black

For current pricing and availability, see the [EB40 product page](#).

Key specifications

Specification	Value
Motor	750W BLDC
Battery	48V 15Ah Li-ion
Charger	54.6V 2A, UL-listed
Display	Color display, 4 inch
Frame	6061 aluminum alloy
Fork	Double crown fork
Brakes	Hydraulic disc (XOD)
Tires	26 × 1.95 KENDA
Gears	SHIMANO 7-speed
Max speed	20 mph (Class 2 street legal)
Load capacity	120 kg
Claimed range	40+ miles

Sizes and weight

Measurement	Value
Net weight (N.W.)	27 kg
Carton size	148 × 23 × 83 cm
Load capacity	120 kg

Feature highlights

- **750W high-torque hub motor** — strong acceleration for stop-start urban riding

- **Top speed 20 mph, Class 2 street legal** — rideable on public roads and paths in most US jurisdictions without registration
 - **Extended range: 40+ miles** from the 48V 15Ah battery pack
 - **SHIMANO 7-speed gearing** — lets you pedal efficiently at speed and climb under your own power
 - **Tektro / XOD hydraulic disc brakes** — consistent stopping power in wet urban conditions
 - **Full commuter kit included** — rear rack and fenders supplied as standard
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What makes it a commuter

The EB40 is configured for daily urban use rather than trail riding:

- **Step-thru frame** — mount and dismount without swinging a leg over a top tube, useful in traffic and in normal clothing
 - **Rear rack included** — carry a bag, panniers or a lock without an aftermarket purchase
 - **Fenders included** — protection from road spray on wet commutes
 - **26 × 1.95 KENDA tires** — a fast-rolling, lower-resistance profile than fat tires, which suits paved surfaces and helps range
 - **Class 2 speed limit** — compliance with the most widely accepted eBike category
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Range and performance notes

Published range figures are manufacturer-stated maximums under controlled test conditions. CEMOTO's range tests typically assume a 70 kg rider, 25 °C ambient temperature and 20 km/h constant speed. Real-world results vary with rider weight, terrain, temperature, tire pressure, battery condition and riding style.

For a structured way to estimate range for your own conditions, see [Range Calculator](#).

Safety and legal notes

- **Wear an approved helmet.** Required by law in many jurisdictions for eBike riders.
- **Confirm your local eBike rules.** Class 2 compliance applies in many US states, but local ordinances on where eBikes may be ridden (paths, trails, sidewalks) vary. See [Riding Laws](#)

[& Compliance.](#)

- **eBikes are single-rider vehicles.** Never carry a passenger.
 - **Improve your range by pedalling.** The owner manual advises using pedal assistance on climbs and in windy conditions to save energy and extend battery life.
 - **Do not ride through deep water**, and avoid prolonged riding in rain.
 - **Follow the assembly and pre-ride checks** in [Unboxing & Assembly](#) and [Pre-Ride Inspection](#).
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Images

EB40 — official product photography.

EB40 — Main view

Main view

EB40 — Detail 1

Detail 1

EB40 — Detail 2

Detail 2

EB40 — Detail 3

Detail 3

Related pages

- [eBikes & Scooters Overview](#)
- [eBike Manuals](#)
- [Unboxing & Assembly](#)
- [Battery Care & Charging](#)
- [Range Calculator](#)
- [Spare Parts & Compatibility](#)

“ **Note:** All performance figures are manufacturer-stated maximums and are not simultaneous guarantees. Specifications are subject to change without notice.

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