

CEMOTO B28A (EB28A / AEB28A) — High Step Fat Tire eBike

“ A high-step fat-tire eBike with a 750W motor, 48V 15.6Ah battery and 26 × 4.0 fat tires — built for all-terrain traction from sand and snow to rough city streets.

Product page: cemotoride.com/products/cemoto-fat-tire-ebike-eb28a

B28A — Main view

Overview

The CEMOTO B28A — sold under the store handle `cemoto-fat-tire-eBike-eb28a`, titled *CEMOTO EBIKE B28A | High Step Fat Tire eBike*, and referred to as **AEB28A** in its own product description — is the high-step fat-tire model in the CEMOTO eBike range.

Its defining feature is the **26 × 4.0 CST fat tire** set, which provides vastly more contact patch and air volume than a standard tire. The practical benefits are traction on loose surfaces (sand, snow, gravel, mud) and a much softer ride, because the tire itself absorbs a large share of the vibration that would otherwise reach the rider.

The 750W BLDC motor and 48V 15.6Ah pack are the same core specification used on the B28D and closely related to the EB40, giving the biggest energy capacity in the non-folding section of the range.

CEMOTO rates range at **40-80 miles**, a wide band that reflects how much fat-tire efficiency varies with terrain, pressure and rider input.

Naming note: this is the **high-step** fat-tire model. It differs from the [B28](#) (27.5" mountain, non-fat tires) and the [B28D](#) (26" fat tire but with a **folding** frame).

Available colors

The B28A is listed as a single-variant product. Color options are not published on the store listing.

For current pricing and availability, see the CEMOTO store listing.

Key specifications

Specification	Value
Motor	750W BLDC
Battery	48V 15.6Ah Li-ion
Charger	54.6V 2A, UL-listed
Display	Color display, 4 inch
Frame	6061 aluminum alloy, high step
Fork	Alloy suspension (Lo)
Brakes	Hydraulic disc (XOD)
Tires	26 × 4.0 CST (fat tire)
Gears	SHIMANO 7-speed
Max speed	20 mph
Load capacity	120 kg
Claimed range	40–80 miles
Riding modes	3
Lights	Included

Sizes and weight

Measurement	Value
Net weight (N.W.)	33 kg
Carton size	155 × 27 × 81 cm
Load capacity	120 kg
Wheel size	26 inch

Feature highlights

- **750W motor** — strong output for a fat-tire bike, offsetting the extra rolling resistance of 4-inch tires
- **48V 15.6Ah battery, 40-80 miles claimed range** — the largest pack in the non-folding section of the range
- **26 × 4.0 fat tires** — exceptional traction on sand, snow, gravel and mud, plus a very compliant, cushioned ride
- **Alloy suspension fork** — complements the tire absorption for control on rough ground
- **Hydraulic disc brakes (XOD)** — necessary stopping power for a heavier bike with high-grip tires
- **4-inch color LCD** — readable at a glance while riding
- **3 riding modes** — typically throttle, pedal-assist and pedal-only; lets you trade effort against range
- **Lights included** — front and rear lighting supplied as standard
- **6061 aluminum alloy frame** — high-step geometry for a stiffer, more efficient pedalling platform

Riding a fat-tire bike

Fat tires change how a bike behaves, and it is worth understanding before you ride:

Consideration	Effect
Traction	Far greater contact patch — excellent on loose surfaces, and it keeps working at low pressures

Consideration	Effect
Tire pressure	The single biggest handling variable. Lower pressure increases grip and comfort but raises rolling resistance and reduces range. Check pressure frequently on fat-tire bikes
Rolling resistance	Higher than a standard tire. This is why the fat models carry 750W motors and larger batteries
Ride quality	The tire volume absorbs vibration that a suspension fork alone cannot, softening rough pavement and trails
Weight and handling	Heavier, slower to turn, and more stable at speed. Plan for longer braking distances
Wet braking	Braking distance increases in rain or snow — allow more room

CEMOTO's manual advice applies: **check air pressure frequently**. Too little air increases resistance and reduces range.

Range and performance notes

Range is published as **40-80 miles** — a deliberately wide band, because fat-tire efficiency depends heavily on tire pressure, terrain, rider weight and how much you pedal. Published figures are manufacturer-stated maximums under controlled test conditions (typically a 70 kg rider, 25 °C and 20 km/h constant speed).

Use pedal assistance on climbs and into wind to conserve energy and extend battery life. For a structured estimate for your own conditions, see [Range Calculator](#).

Safety and legal notes

- **Wear an approved helmet** and observe all road rules for the area where you ride.
- **Confirm your local eBike rules** — a 750W motor with a potentially higher configured speed may sit above the Class 2 definition in some jurisdictions. See [Riding Laws & Compliance](#).
- **eBikes are single-rider vehicles**. Never carry a passenger.
- **Intended terrain:** on-road and improved trail. Do not ride rough trails — damage may occur.
- **Do not ride through deep water**, and avoid prolonged riding in rain.
- **Chain tension should be about 15 mm**.

- **Braking distance increases in bad weather.** Ride accordingly.
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Images

B28A — official product photography.

B28A — Main view

Main view

B28A — Detail 1

Detail 1

B28A — Detail 2

Detail 2

B28A — Detail 3

Detail 3

Related pages

- [eBikes & Scooters Overview](#)
- [B28 Mountain eBike](#)
- [B28D Folding Fat Tire](#)
- [eBike Manuals](#)
- [Tires, Wheels & Suspension](#)
- [Range Calculator](#)

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

Revision #12

Created 2026-09-22 01:58:26 UTC by Cemoto

Updated 2026-09-22 05:34:59 UTC by Cemoto