

FAQ — Product & Specifications

Understanding the specifications

What does the 3000W / 6000W figure mean? It is the stated **peak** motor output, not a continuous or nominal power rating. Peak figures describe the maximum a motor can deliver briefly; sustained output is lower.

How do I read a specification like "72V 25Ah"?

- **72V** is the nominal system voltage — higher voltage supports higher speed and efficiency.
- **25Ah** is the battery capacity in amp-hours. Multiplied together ($V \times Ah$) this gives the energy in watt-hours.

Model	System	Energy (approx.)
D02 Classic	48V 21Ah	~1008 Wh
D03 Pro	48V 23Ah	~1104 Wh
D02 Track	72V 25Ah	~1800 Wh
D03 Beast	72V 25Ah	~1800 Wh

Higher watt-hours generally means more range potential, but actual range depends heavily on speed, terrain and rider weight.

Speed and range

How fast can a CEMOTO electric dirt bike go?

Model	Top speed (manufacturer-stated)
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D02 Classic	Up to 40 mph (65 km/h)
D03 Pro	Up to 40 mph (65 km/h)
D02 Track	Up to 53 mph (85 km/h)
D03 Beast	Up to 53 mph (85 km/h)

These are manufacturer-stated maximums achieved on **private land or track**, and are **not guaranteed**. Actual speed varies with rider weight, terrain, temperature, tire pressure, battery charge and riding conditions.

How far can I ride on one charge?

Model	Maximum range (manufacturer-stated)
D02 Classic	Up to 30 miles (48 km)
D03 Pro	Up to 34 miles (55 km)
D02 Track	Up to 60 miles (96 km)
D03 Beast	Up to 50 miles (80 km)

“ **Note:** the D02 Track is listed at "up to 60 miles" on its specifications and "up to 80 km (50 miles)" in its product description. The two published figures do not agree. Treat 50–60 miles as the range band and verify with the current product page.

Range figures are measured under controlled test conditions — typically a **70 kg rider, 25 °C ambient temperature and 20 km/h constant speed**. They are **not** achievable simultaneously with top speed.

What speeds do the three riding modes allow? The bikes have three selectable modes, but **verified mode-by-mode speed test data is not available**, so no specific speed is assigned to each mode.

Is a 30-degree climbing claim included? No. There is no verified standardized test basis for that claim, so it is excluded from the current product information.

Note on hill-climb claims: some product descriptions state a **45° grade capability** for the 6000W models. This is a marketing description rather than a standardized tested figure.

Batteries

Can I remove the battery to charge it? On the **D02 Track**, yes — the battery is removable and can be charged off the bike. Battery charging is described as "removable battery; can be charged off the bike."

For other models, check the product page. The D-series uses a battery compartment design; the D02 Track explicitly supports off-bike charging via the three-pin socket on the battery.

How long does a charge take?

System	Charge time
48V models (D02 Classic, D03 Pro)	Approximately 6 hours
72V models (D02 Track, D03 Beast)	Approximately 7-8 hours

What is the battery lifespan? Rechargeable batteries do not last forever. The **average lifespan is 1 to 2 years**, depending on conditions and usage.

What is the battery warranty? The warranty period, coverage and exclusions for the battery are governed by the official [Warranty](#) terms and the [Warranty Claims](#) procedure. A claim may apply where the discharge meter detects **less than 70 % of available capacity**, or where the voltage is abnormal and the battery cannot be charged — subject to those exclusions.

Does battery capacity drop in cold weather? Yes. Usable capacity falls with temperature:

Battery temperature	Approximate available capacity
14 °F	~70 %
32 °F	~80 %
70 °F	~90-95 %

Controls and settings

Is the top speed adjustable like other high-performance brands? Yes. The CEMOTO D-series uses a **programmable controller**. It comes with a factory-set limit for local compliance and **can be switched to competition-focused off-road settings where allowed**.

The display also exposes a speed limit parameter (**P08**, 0-100 km/h) and a controller current limit (**P14**). See [Display & Settings](#).

Does the D02 Track have a horn? No. The D02 Track ships in a track configuration **without a horn**. The D02 Classic also removes the horn as part of its lower-cost, off-road-first specification.

Does the bike have reverse? The **D02 Track** has a built-in reverse mode for easier manoeuvring on narrow trails. Other D-series models do not list reverse.

Rider fit

How do I know what size bike to order? Choosing the right size is crucial for comfort and control. Each bike model's product page has a **detailed size chart based on rider height**. Measure your height carefully and refer to that chart.

Sizing can vary between models. If you fall between sizes, consider your riding style — a smaller size may be more agile, a larger size more stable — or contact support for personalized advice.

What rider height is each D-series model designed for?

Model	Rider height	Seat height
D02 Classic	4'11"-5'10" (150-178 cm)	28.74 in
D03 Pro	4'11"-5'10" (150-178 cm)	28.3 in
D02 Track	5'9"-6'5" (175-195 cm)	31.89 in (81 cm)
D03 Beast	5'9"-6'5" (175-195 cm)	31.9 in (81 cm)

Fit also depends on **inseam, balance, strength and riding experience** — not height alone.

What is the maximum load?

Model	Maximum load
D02 Classic	287 lb
D03 Pro	~265 lb
D02 Track	265 lb (120 kg)
D03 Beast	287 lb

Rider weight, equipment and anything carried on the bike should remain within this limit. Overloading damages electrical components and the damage is **not covered by warranty**.

Is the D02 Classic suitable for teen riders? Yes — it is marketed for teens and adults who fit the bike. Suitability also depends on maturity, strength, training and experience. **Adult supervision** and appropriate protective gear are recommended for teen riders.

How can I restrict speed for a younger or less experienced rider? Two methods, used together:

1. **Stay in the lowest power gear** (1st / ECO mode).
2. **Lower the speed limit parameter** (P08) to the desired maximum.

You can also reduce the controller current limit (P14) and adjust power sensitivity (P11) and start intensity (P12) to soften throttle response. See [Rider Fit & Sizing](#).

Street legality

Are CEMOTO bikes street legal?

D-series electric dirt bikes: no. They are intended for **off-road use on suitable private property and tracks**. They are not marketed as street-legal commuters, and riders should check all applicable local laws before use.

eBikes: partially. CEMOTO eBikes are designed for on-road and improved-trail use. Some models are explicitly described as Class 2 street legal — for example the EB40, which lists a 20 mph top speed as "Class 2 Street Legal."

Where can I ride an electric bike? An electric bike is legally treated the same as a normal bike in many jurisdictions. You can ride an electric assisted bike anywhere you can ride your regular bike — **subject to local law**.

“ **Important:** riding laws for electric dirt bikes vary significantly by country, state and municipality. It is the rider's responsibility to confirm local requirements. See [Riding Laws & Compliance](#).

Design and components

What is a fat tire eBike, and why should I choose one? Fat tire eBikes are designed with extra-wide tires — **4.0 inches** on CEMOTO models — that provide exceptional traction and stability on various terrains, including sand, snow, mud and rocky trails. They offer a comfortable and controlled ride, making them well suited to off-road adventures and exploring varied terrain.

What are the benefits of an electric mountain fat tire bike?

- **Enhanced traction** — conquer loose terrain with confidence
- **Improved stability** — the wide tires provide a more stable, balanced ride

- **Increased comfort** — the tires absorb bumps and vibrations for a smoother ride
- **Extended capability** — access terrain that narrower tires cannot handle

What type of terrain can a commuter bike ride on? Commuter eBike tires are designed to be versatile and can be ridden on both smooth and rough surfaces, including roads, gravel, dirty trails, rocky areas and even wetlands. For more challenging terrain and trails, an **electric mountain bike** is better suited.

Do the bikes use proprietary parts? CEMOTO emphasizes **serviceable components** selected for long-term support and realistic maintenance. Most components are standard, and compatible D-series parts and accessories are available through the CEMOTO accessories range.

What accessories are compatible? Many CEMOTO models come pre-equipped with mounting points for standard accessories such as **rear racks, fenders (mudguards) and water bottle cages**. Check the specific product description or photos for details on included mounts. Most bikes are compatible with common third-party accessories, and CEMOTO also offers a selection of compatible accessories.

If you have specific accessory questions, ask support before purchasing.

Is the D02 Classic less powerful than the D03 Pro? No. Both models use the **same 3000W high-torque motor platform**. The D02 Classic costs less because it removes the horn and some street-oriented hardware, making it the leaner, off-road-first option.

eBike model comparison

For the CEMOTO eBike range, the published specification tables give the following. Full detail on each model is on the model pages linked below.

Model	Motor	Battery	Top speed	Tires	Brakes	Frame
EB40	750W BLDC	48V 15Ah	20 mph	26×1.95 KENDA	Hydraulic disc (XOD)	6061 alloy
AEB31A	<i>not published</i>	<i>not published</i>	<i>not published</i>	<i>not published</i>	<i>not published</i>	Step-thru
B28	500W	48V 13Ah	20 mph	27×2.35	Disc	6061 alloy
B28A	750W BLDC	48V 15.6Ah	20 mph (table)	26×4.0 CST (fat)	Hydraulic disc (XOD)	6061 alloy, high step
B28D	750W (1,500W max)	48V 15.6Ah	20 mph	26×4.0 CST (fat)	Hydraulic disc (XOD)	6061 alloy, folding
EB66	750W BLDC	48V 15Ah ×1 or ×2	20 mph	20×4.0 KENDA (fat)	Tektro disc	Carbon steel

All models list a **120 kg load capacity** and **SHIMANO 7-speed** gearing. See the [eBike overview](#) for the naming map, since some models appear under more than one designation.

Which eBike should I choose?

- **Commuting on pavement** → [EB40](#) or [AEB31A](#) — step-thru frames, efficient narrower tires
- **Trails with some climbing** → [B28](#) — 27.5" wheels, lightest weight, quickest charge time
- **Sand, snow, mud or very rough ground** → [B28A](#) — fat tires at high step
- **Need to fold or store it small** → [B28D](#) — folding frame with fat tires
- **Maximum range or distinctive styling** → [EB66](#) with the dual-battery option

Which D-series model should I choose?

Model	Best for	Key difference
D02 Classic	Riders 150–175 cm, all-round off-road	48V 21Ah, 3000W peak, 40 mph, ~30 mi
D03 Pro	Riders 150–178 cm, longer range	48V 23Ah, 3000W peak, 40 mph, ~34 mi
D02 Track	Riders 175–195 cm, maximum performance	72V 25Ah removable, 6000W peak, 53 mph, ~60 mi
D03 Beast	Riders 175–195 cm, high performance	72V 25Ah, 6000W peak, 53 mph, ~50 mi

Related pages

- [D-Series Models](#)
- [eBikes & Scooters](#)
- [Rider Fit & Sizing](#)
- [Display & Settings](#)
- [Range & Performance](#)
- [Riding Laws & Compliance](#)