# VELDURO







# CONTENIS

# Our story

# Models

Rogue

Rogue R

Rogue X

Frame only

Phantom

Phantom R

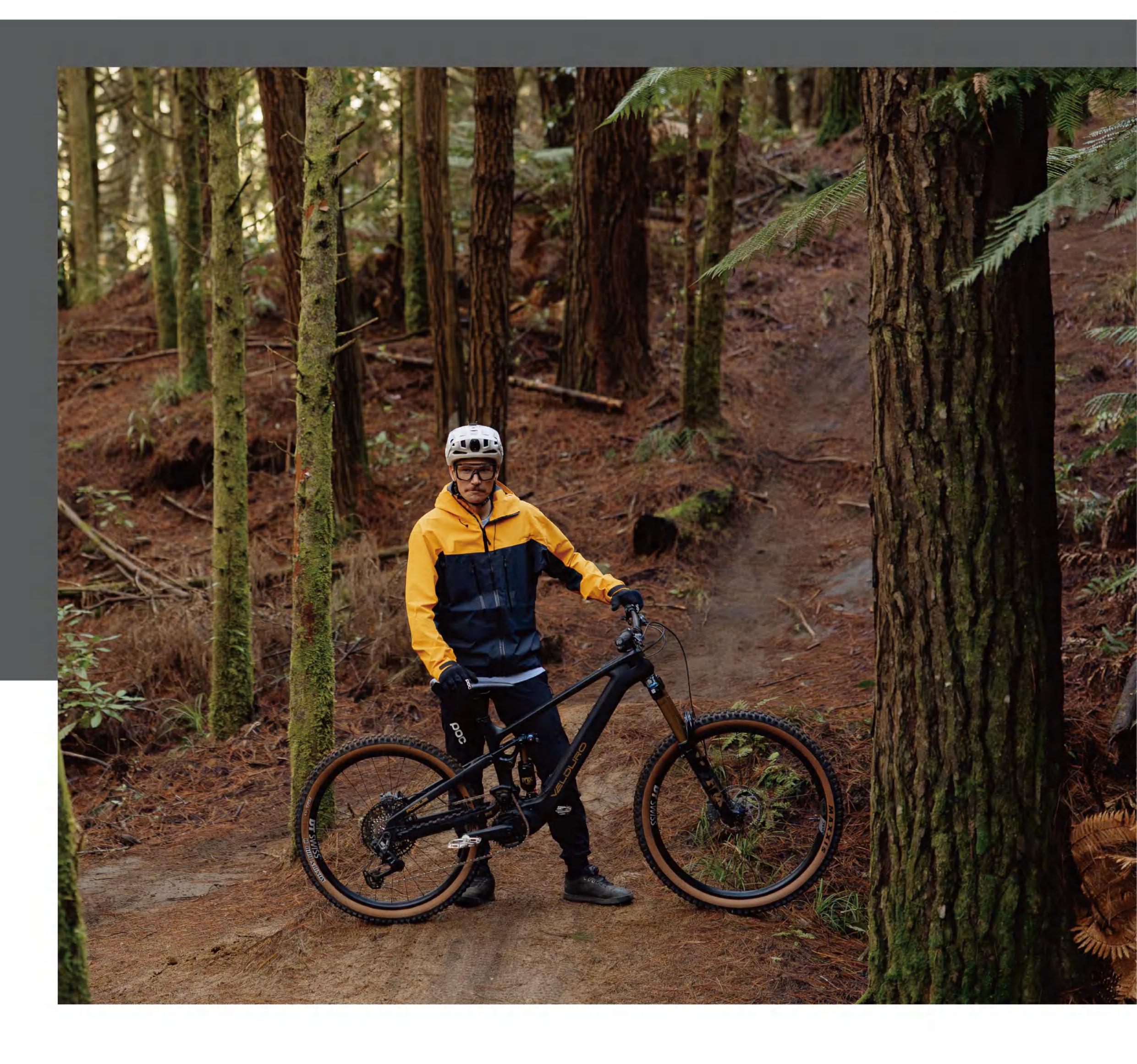
Phantom X

Phantom S

Frame only



#### VELDURO



# The velduro Story

Founded in 2024, Velduro was born to challenge the status quo in the global e-bike industry. Frustrated by overseas market limitations, we're bringing New Zealand-designed bikes to the world on our own terms.

Our edge? A 15-year partnership with our Chinese manufacturing experts, blending world-class production with Kiwi innovation. Our journey began in the mid-2000's when our team pioneered DIY e-bikes with hub motors and backpack batteries—long before the market boom.

Today, we're powering the Velduro range with the revolutionary DJI Avinox e-bike motor system across our lineup of e-gravel, enduro mountain bikes and frame only electric bikes. Every Velduro features ultralight monocoque EPS carbon frames, premium components, and rider-informed design.

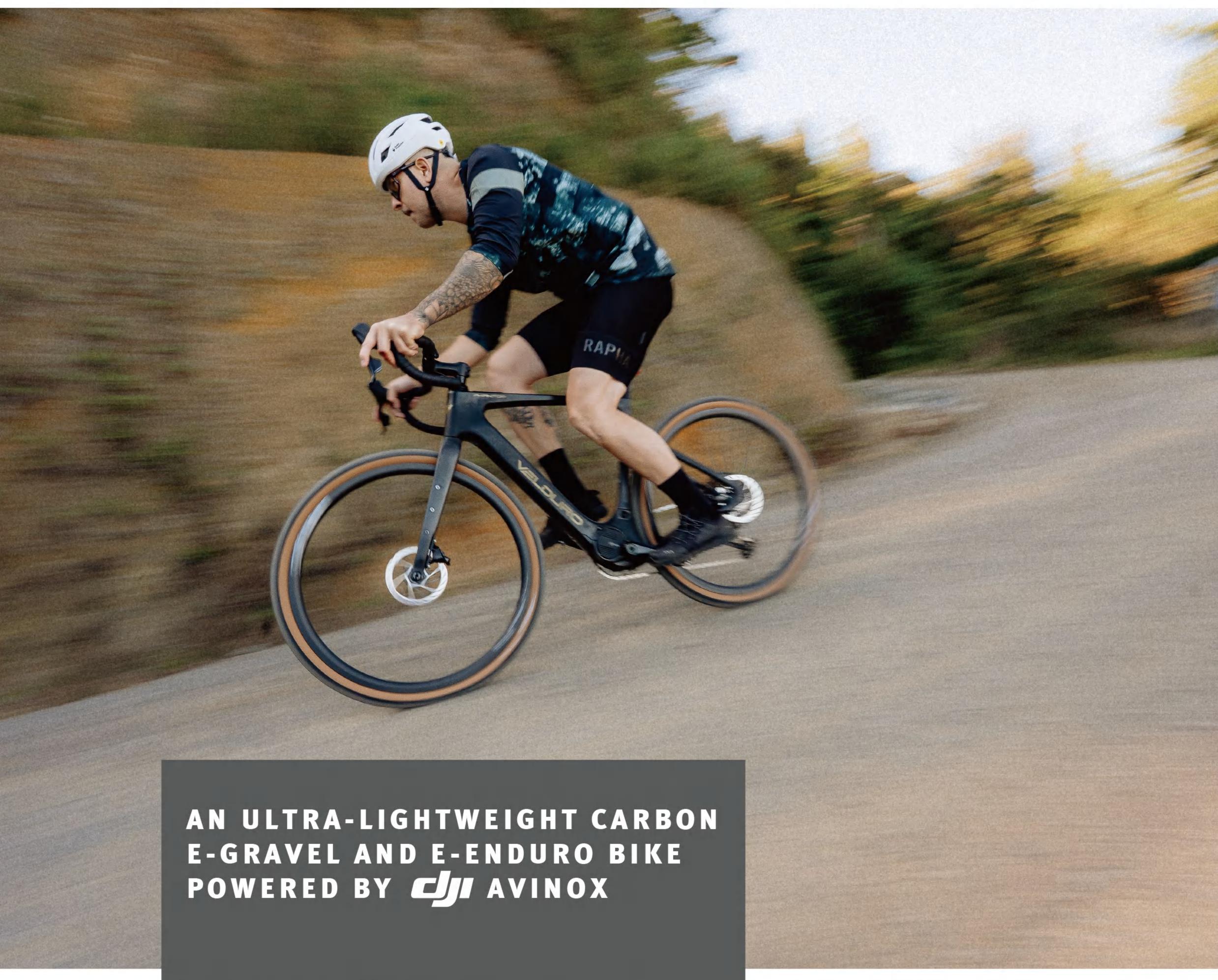
We deliver high-end performance without the premium markup. Our suspension bikes incorporate i-track's patented system for superior control, developed alongside industry leaders.

This isn't just another bike brand—it's a new approach. Designed in New Zealand. Built with global expertise. Created for riders, not spreadsheets.



■ Velduro is here to change the game.

#### VELDURO



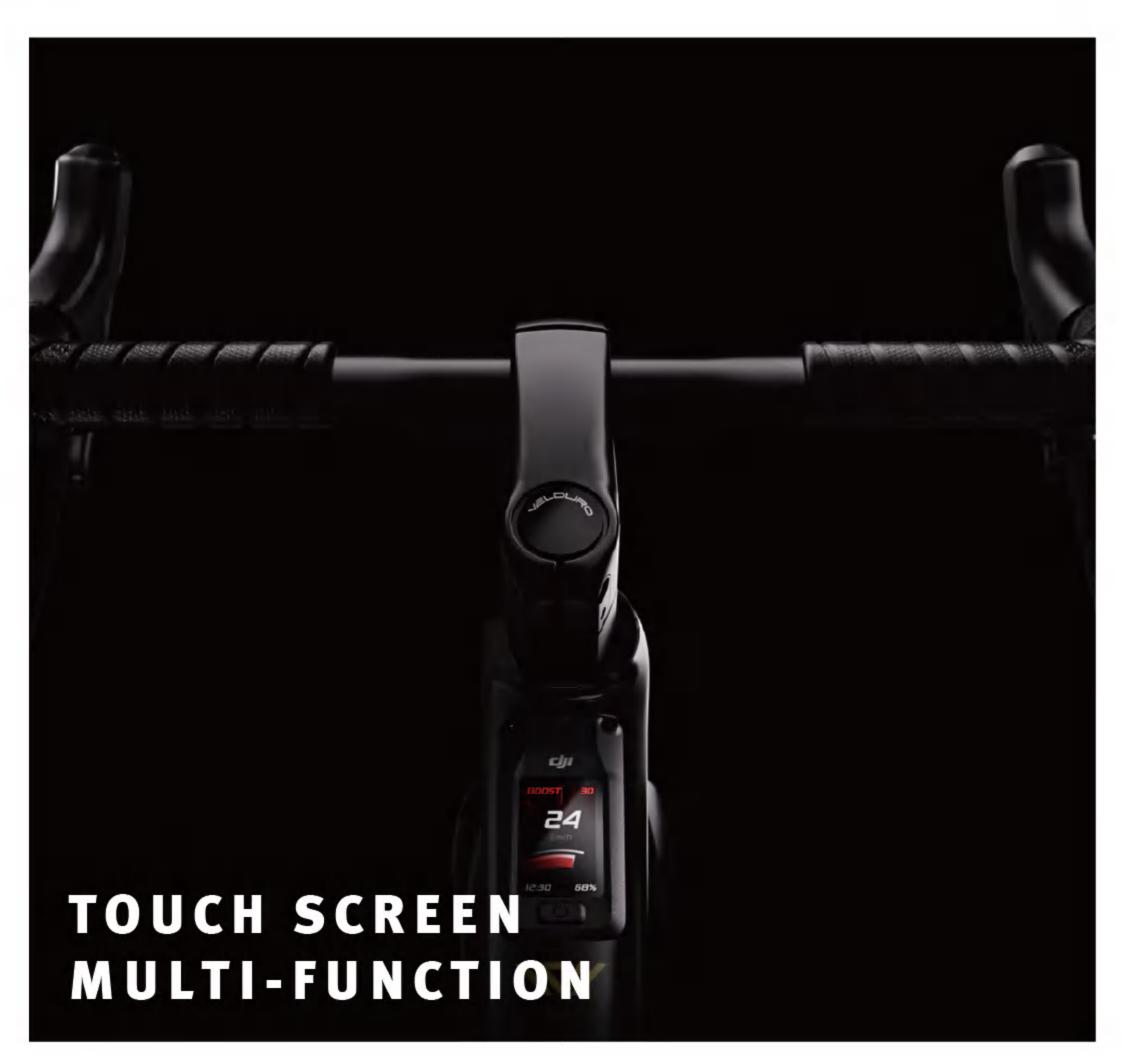
DJI AVINOX M1 MID-MOTOR 36V 250W 105NM BOOST UP TO 120NM

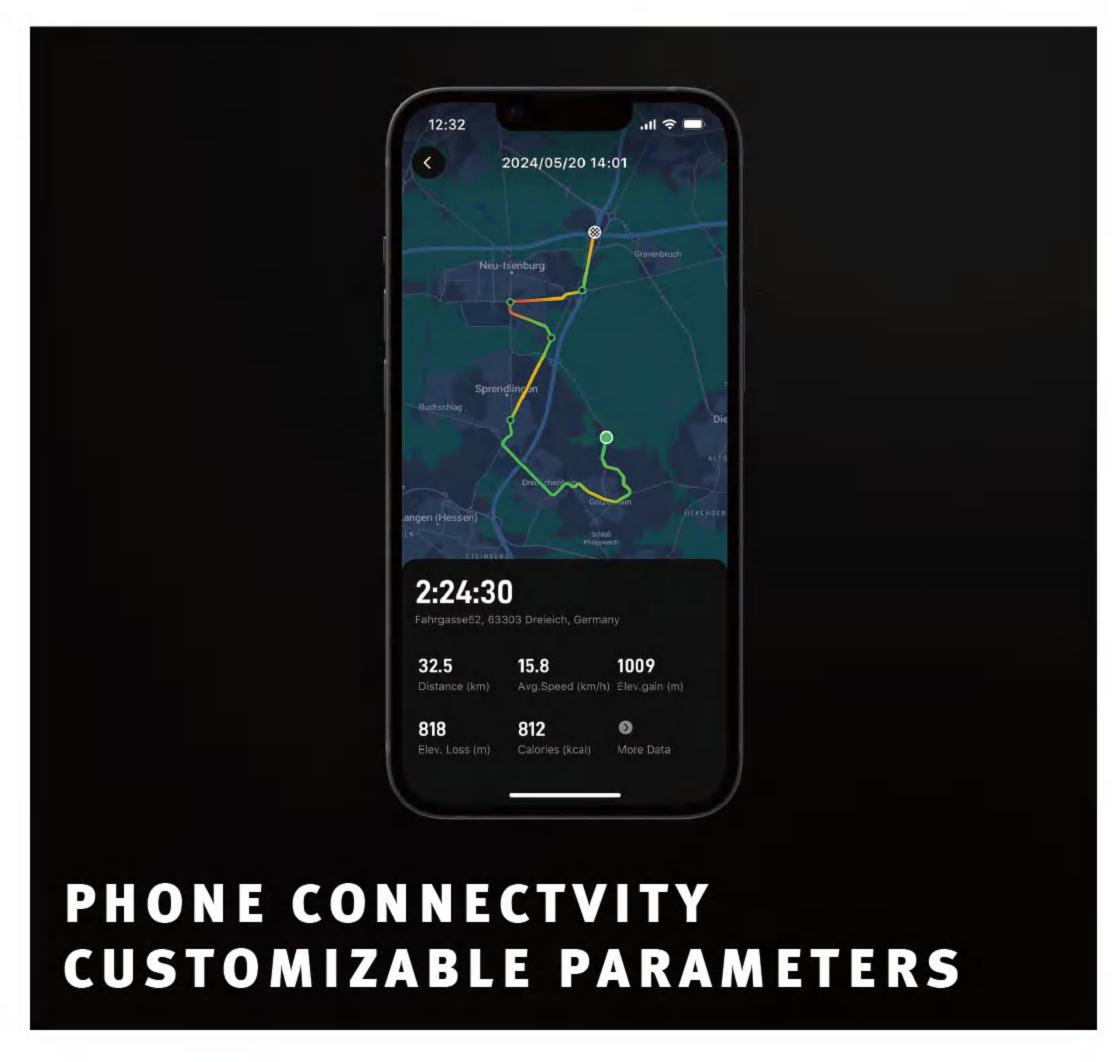
DJI LIGHT-WEIGHT BATTERY
600WH UP TO 120KM
800WH UO TO 150KM

DJI INTELLIGENT CONTROL
2-INCH 800NIT DISPLAY
BLUETOOTH & 4G NETWORK
AVINOX APP CONTROLL









# CJI AVINOX DRIVE SYSTEM

DJI's Avinox Drive System redefines e-biking with it's compact power and smart tech. The M1 Drive Unit (2.52 kg) delivers 105 N·m torque, aided by a planetary gearset and noise-reducing polymers for quiet, efficient performance. Four riding modes (Auto, Eco, Trail, Turbo) adapt to terrain, while Boost mode unleashes 120 N·m torque and 1,000W power for 60 seconds.

Two IP56-rated batteries (600/800 Wh) offer fast charging (800Wh: 0-75% in 1.5 hours) and a battery health system for longevity (80% capacity after 500 cycles). A 2-inch OLED touch screen (800 nits, waterproof) displays ride data, customizable via the Avinox app, which also enables Bluetooth unlocking and theft alerts.

Dual wireless controllers simplify mode changes, while an IMU sensor enables walk-assist for steep pushes. Certified by TÜV SÜD/Rheinland, the system is backed by DJI's global service network.

Combining DJI's engineering with e-bike agility, Avinox balances power, portability, and smart connectivity for seamless rides.

#### DEFY THE LIMITS

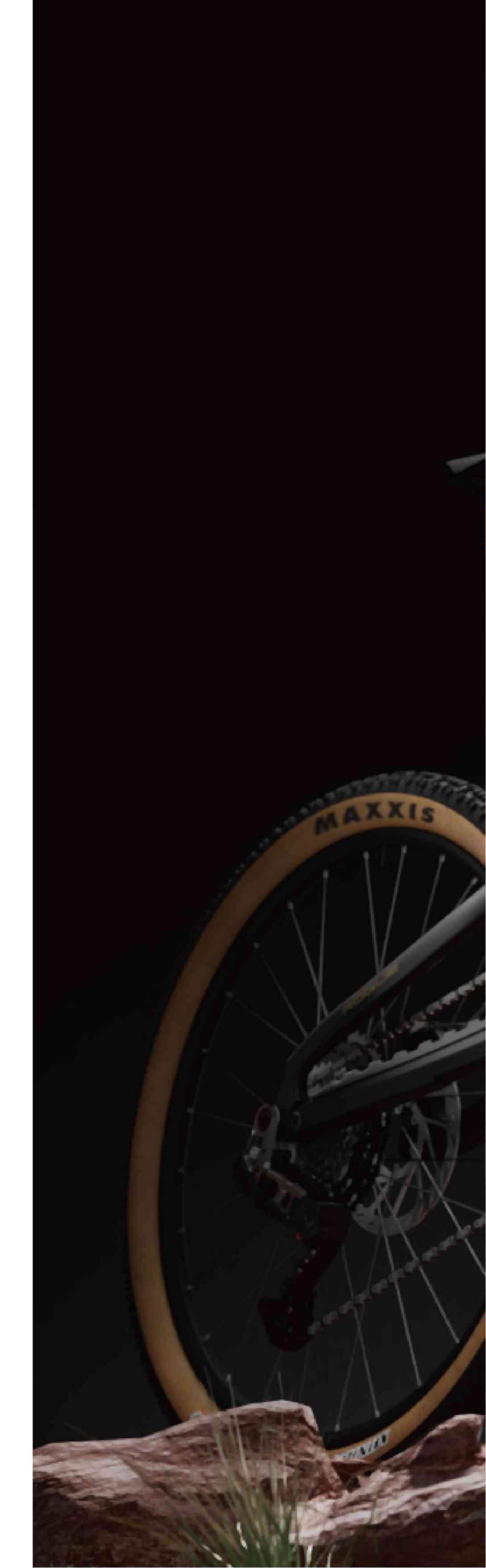
#### Conquer more with less

The Rogue E-Enduro was designed to tackle New Zealand's gnarliest trails. This bike allows you to climb the steepest tracks and descend with speed and control. Using the patented i-Track suspension system the Rogue offers power, control and style.

DJI's Avinox drive (120 N·m torque + 1000W Boost Mode) rewrites climbing physics. Its torque curve syncs perfectly with i-Track's anti-squat kinematics, keeping the rear tire planted even on the toughest of slopes. When you point the Rogue downhill, our mid-pivot idler and i-Track's progressive suspension curves take over. 170mm of rear travel soaks up the bumps, while the chassis stays stable and centred, letting you carve through any terrain.

We believe we have found the mid-pivot sweet spot between high-pivot and low-pivot kinematics to capture the best of both configurations.

For Enduro riders who refuse to choose between climbing efficiency and descending madness, Rogue is the ultimate ride.







For Enduro riders who refuse to choose between climbing efficiency and descending plushness, Rogue is the ultimate ride.

#### i-track suspension Lower Kick-back + optimised anti-squat

The i-track suspension has multiple benefits. By repositioning the rear axle path, Rogue's rear wheel tracks terrain, creating stability on chaotic descents. The idler pulley silences chain slap and eliminates pedal kickback and it's ingenious patented postition on the chainstay enables precision optimisation of antisquat kinematics.



# Shock Flip Chip Two Bikes in One

Flick the AM/Enduro chip at the shock mount, and Rogue morphs. "AM" mode prioritizes pedaling efficiency; flip to "Enduro" to unlock 5mm extra travel (172mm max) and slackened head angles for steep, rowdy lines.

#### Mullet or 29er

Switch between 27.5" agility and 29" roll-over dominance in minutes. Our GeoLock module keeps head tube angle, chainstay length and BB height identical across wheel sizes with no compromises. Tested in Rotorua and Queenstown New zealand, the Rogue was built to conquer anything in its path.



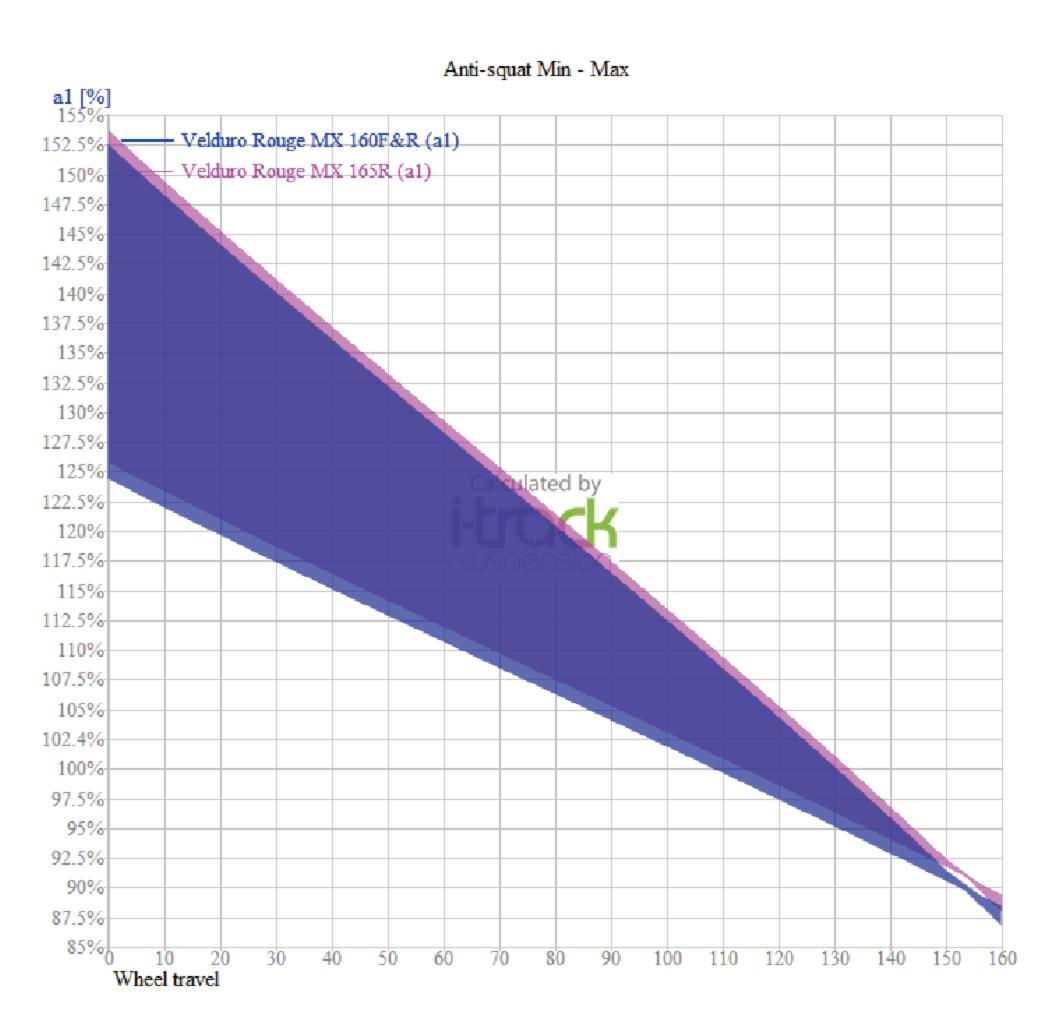
# ONE BIKE FOR ALL CONQUER MORE WITH LESS

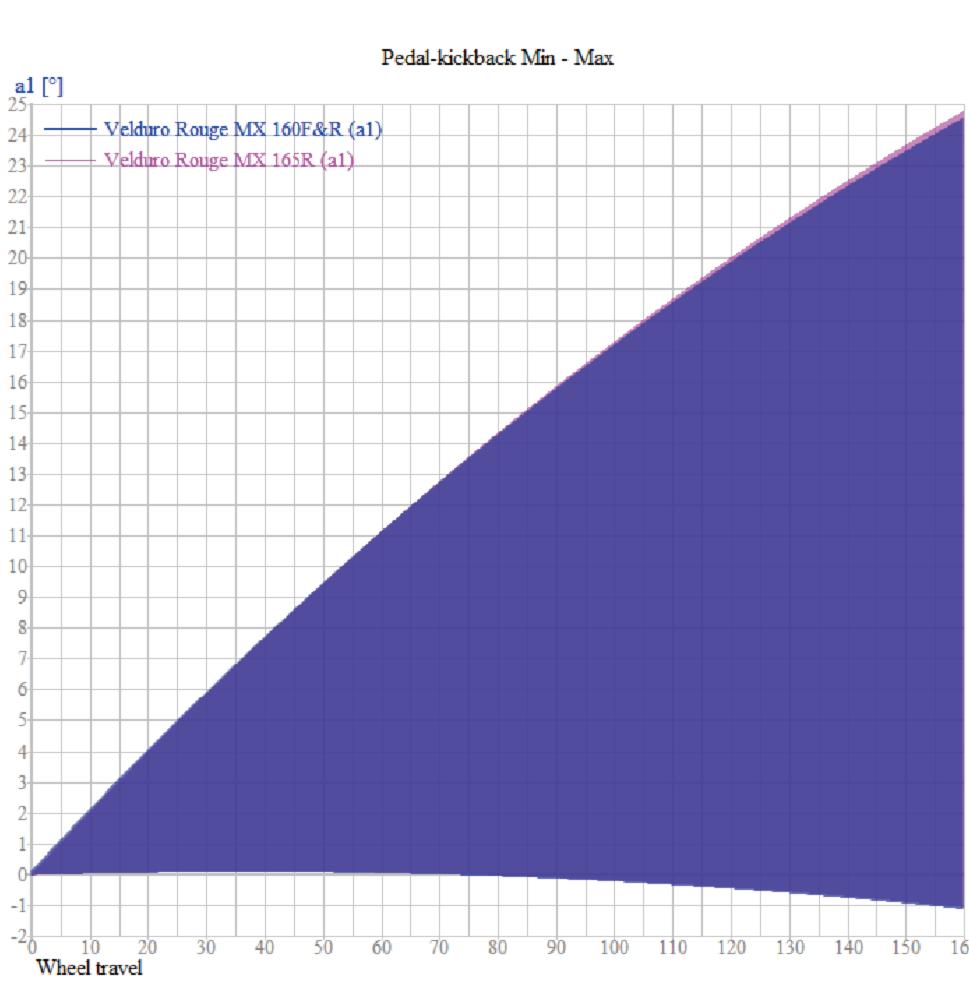
The Rogue isn't confined to a single identity. In Standard Mode (170mm fork / 165mm rear), it's a trail-taming beast. Switch to All-Mountain Mode (160mm front/rear) for flowy precision, or unleash Enduro Mode (180mm front / 170mm rear) to dominate brake-burning descents.

DJI's 120 N·m Avinox drive binds these personas into one unstoppable force. Its torque isn't just raw power—it's intelligent aggression, syncing with suspension kinematics to float over roots or claw up 40% grades. No more "uphill vs. downhill" dilemmas.

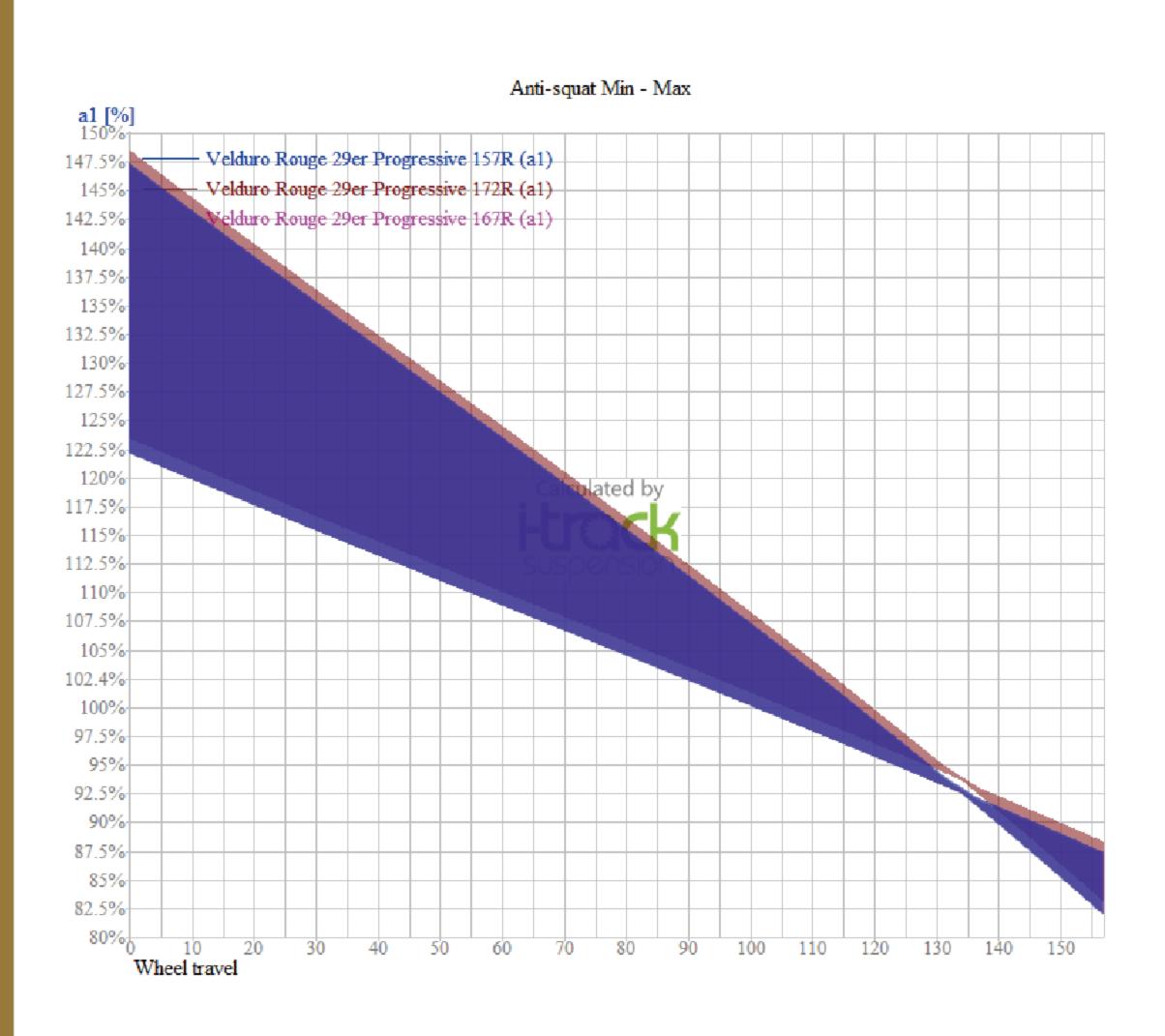
The Rogue's modular frame can adapt to your needs and riding style. Swap the travel, tweak geometry or switch wheel sizes and customize your ride to create your Dream Machine.

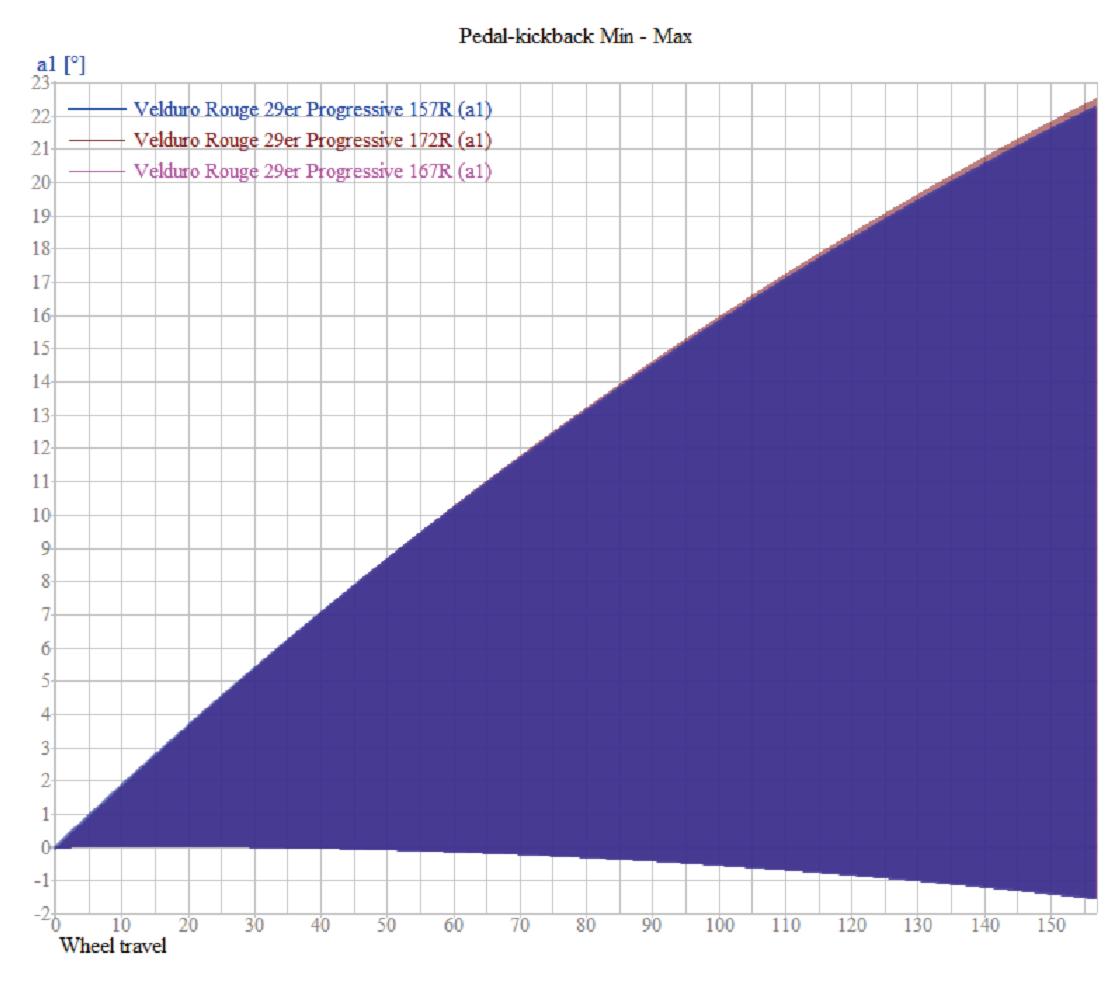
#### Mullet/Standard





#### 29'/Progressive





# ROGUE FRAME

#### FRAME

Carbon fiber frame, weights only 3.5KG
165mm rear travel, up to 172mm
Over-size enduro bearing, extreme durability
Straight seat tube, enabling long-reach dropper
16T i-track CNC upper idler
Shock flip chip
29/mullet flip chip

#### SUSPENSION

Mid-pivot for a rearward axle path Excellent shock compression ratio curve Anti-rise maintained at 90-110% Standard/progressive flip chip Fork suitable from 160mm to 180mm Rear travel from 160mm to 172mm

#### POWER

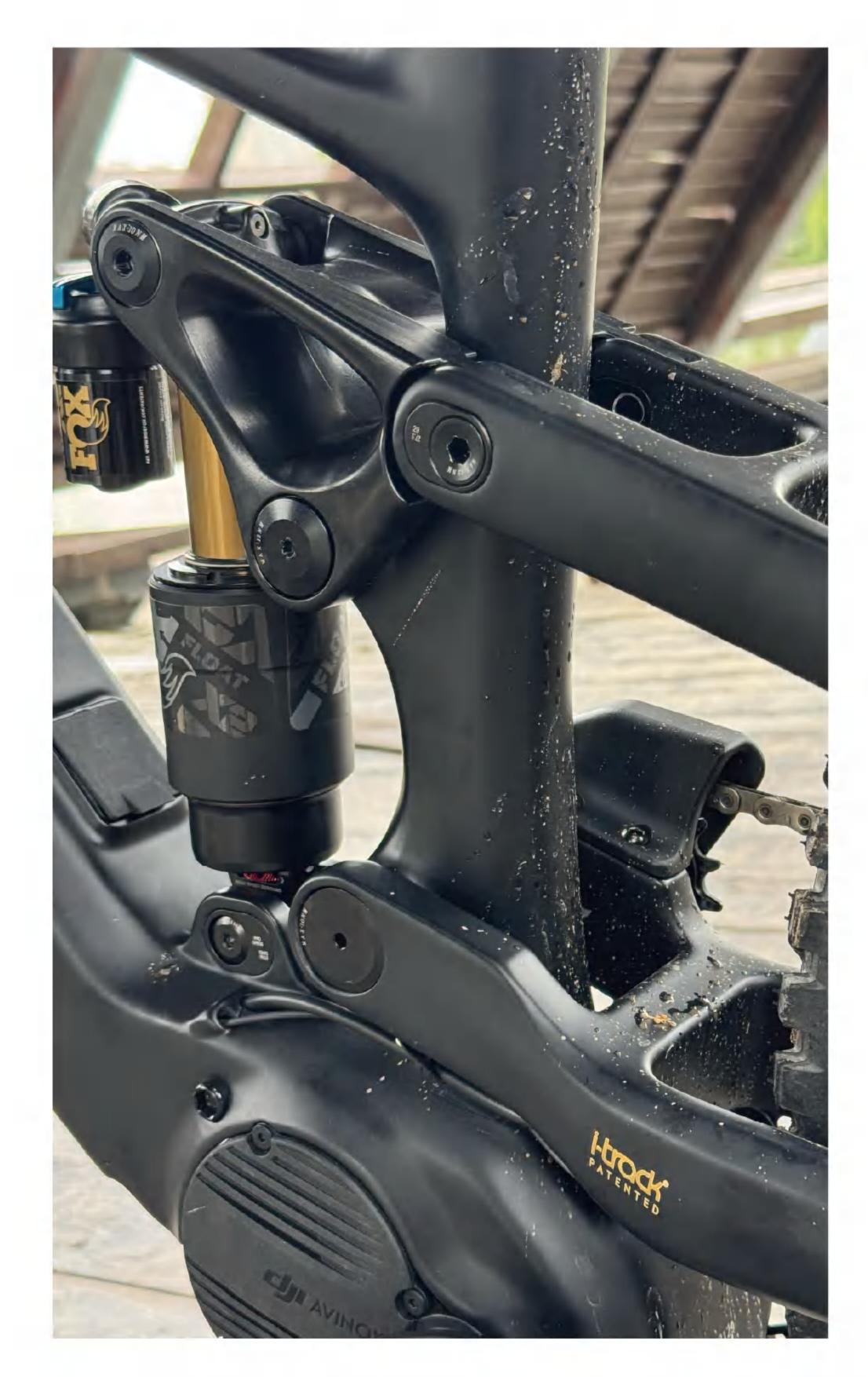
Dji avinox M1 drive system,weights 2.52KG 36V 250W 105Nm, 1000W peak power 120Nm in Boost mode Customizable paremeters

#### RANGE

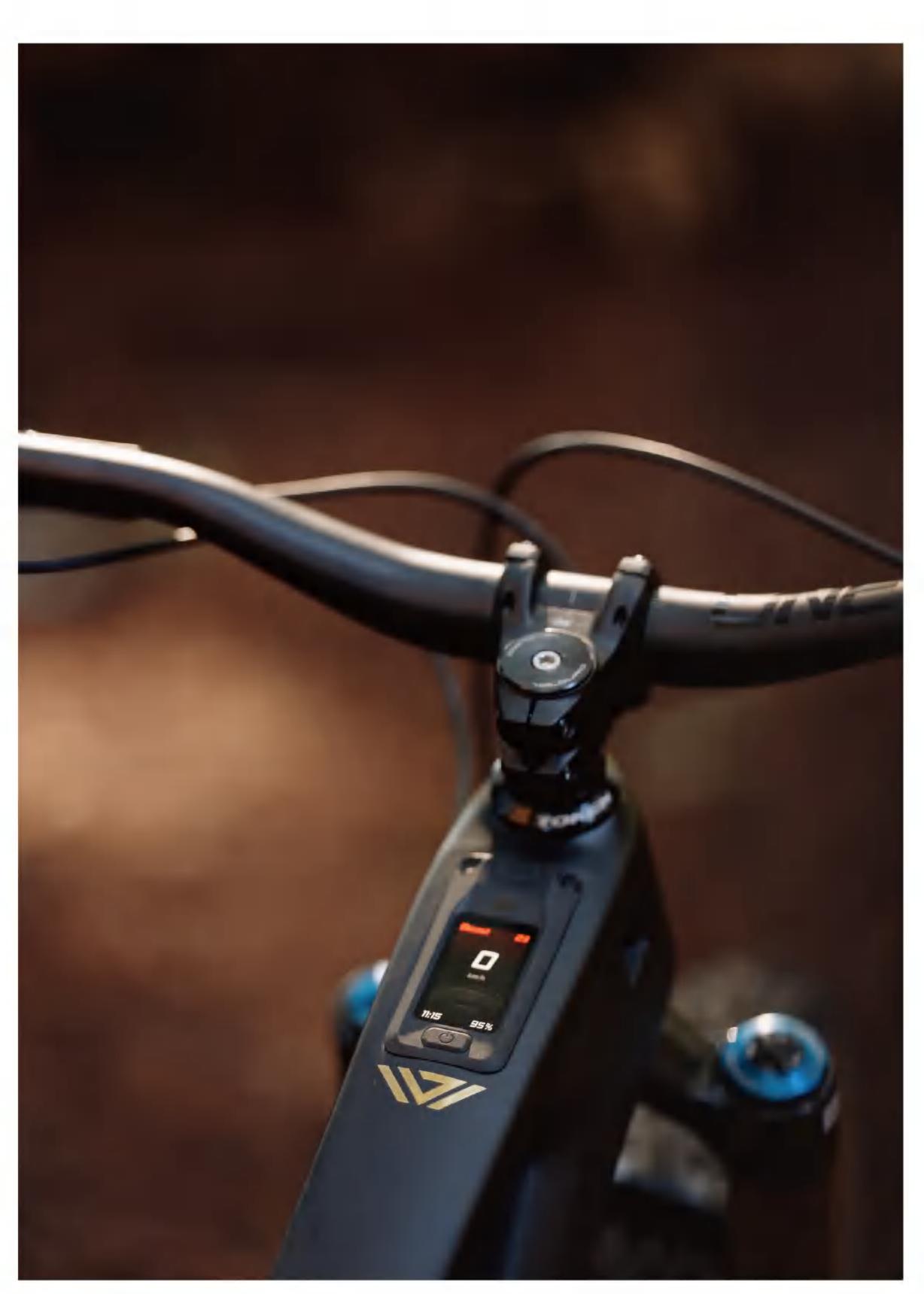
Light-weight high capacity battery 600Wh/800Wh battery for option Max range over 100km with 800Wh GaN 3x fast charging, 0-75% in 1.5hours

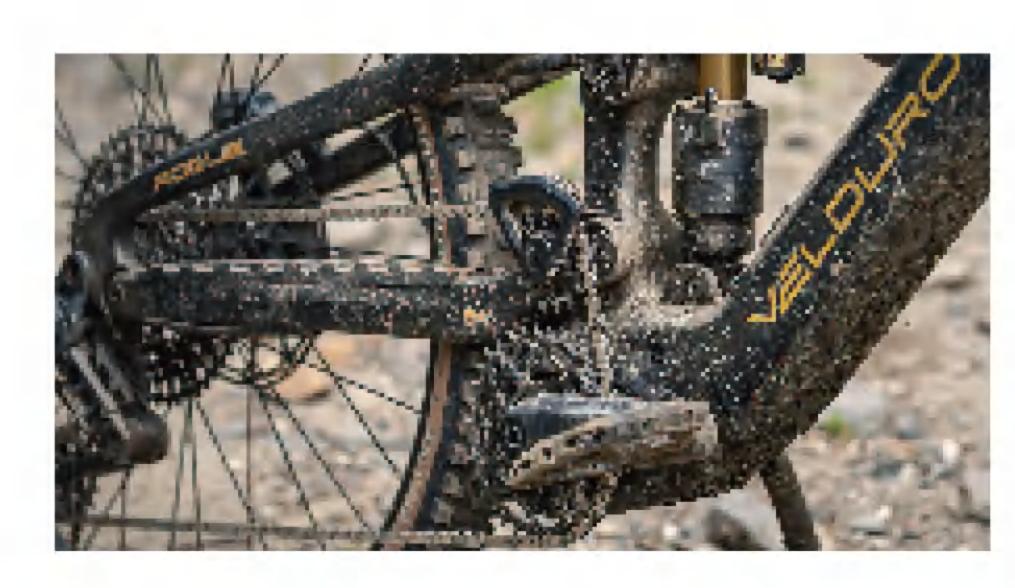
#### INTELLIGENT

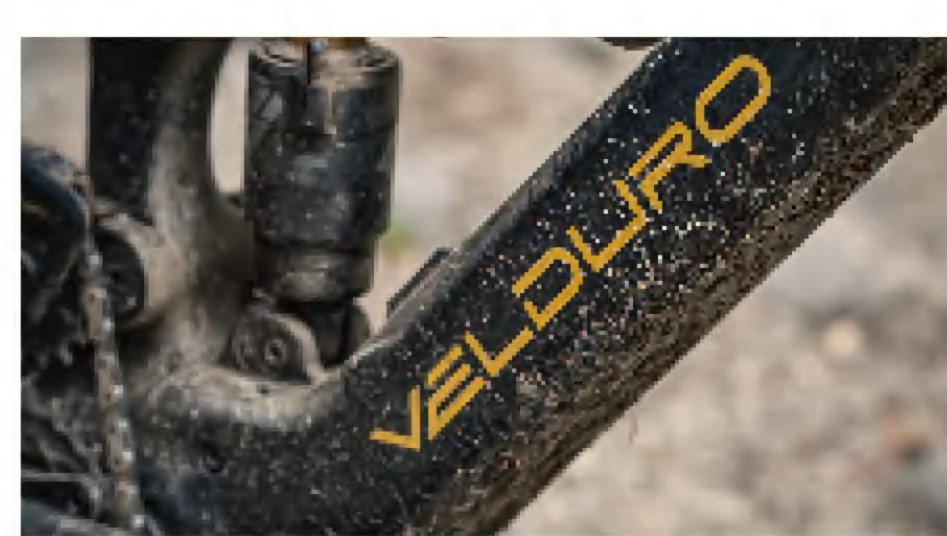
Multiple Assist mode, Customizable riding Intelligent walk assist Smart touchscreen, multi-function display Customizable& simple interface Smartphone connectivity, enhanced safety Health management system















# ROGUER

#### HANDLEBAR SYSTEM

Oneup Handlebar, alloy, 800L, 35R Oneup Alloy CNC stem 35mm dia, 42mm long FSA No.57 MTB 44/56 alloy headset Velduro enduro thick grips

#### SUSPENSION SYSTEM

FOX 38 K Float fork 29' F-S 2026,170mm travel FOX Float X2 F-S 2026, trunnion 205X65mm

#### SADDLE SYSTEM

One-up V3 dropper S: 180mm, M&L&XL: 210mm travel Fizik terra aidon X5 145mm

#### BRAKE SYSTEM

Sram maven silver 4-piston hydraulic brake Sram HS2 disc front220/rear200mm

#### DRIVE SYSTEM

Sram E-MTB Chainring 104 BCD 34T
Avinox SL Crank 155mm
Sram AXS POD Controller
Sram GX Eagle Derailleur w/ power cable
Sram XS1275 T-type 12S cassette 10-52T
Sram GX T-type chain

#### WHEEL SYSTEM

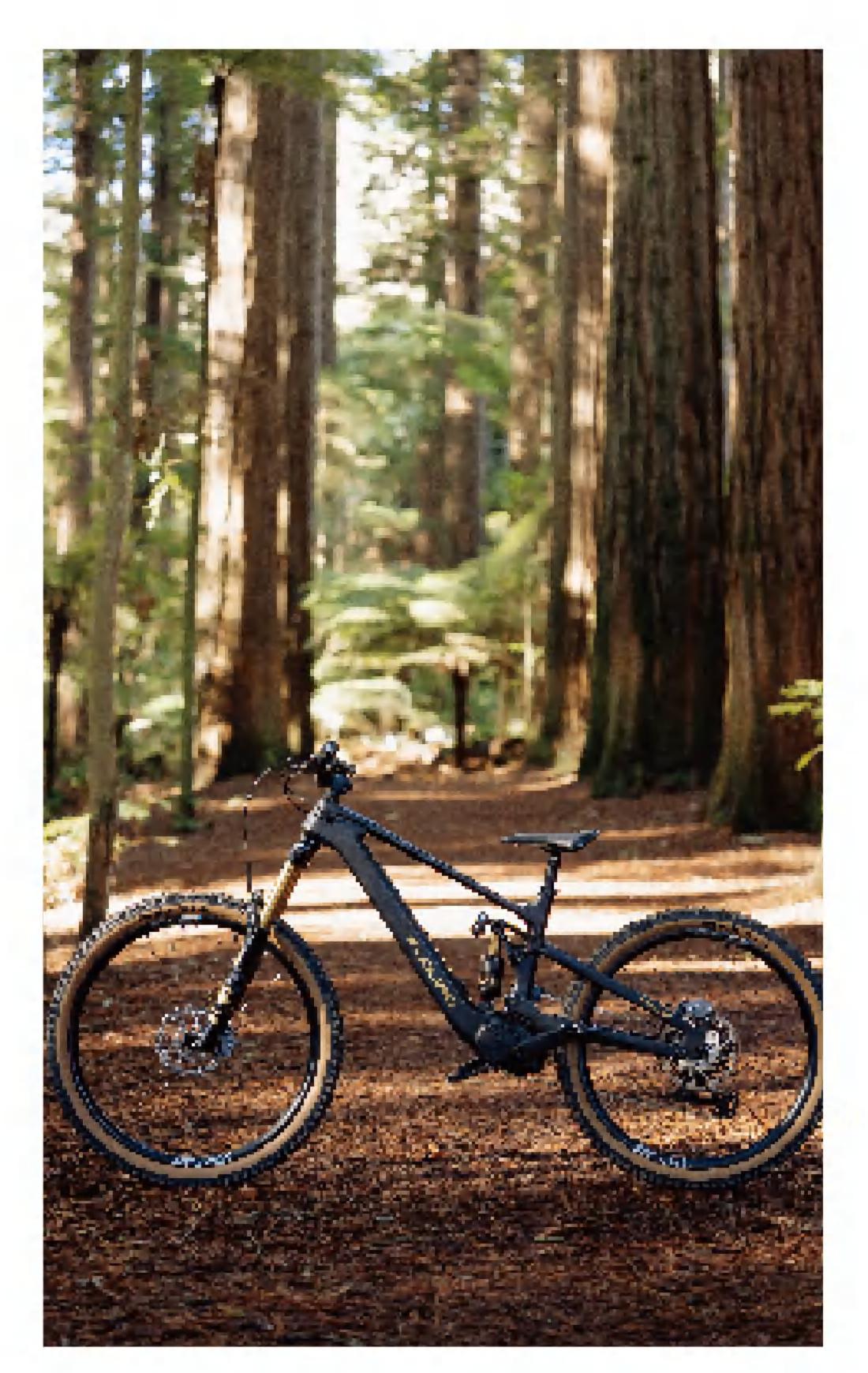
Front hub: DT SWISS 350 DBIS BOOST 15mm Rear hub: DT SWISS 350 DBIS BOOST 12mm XD

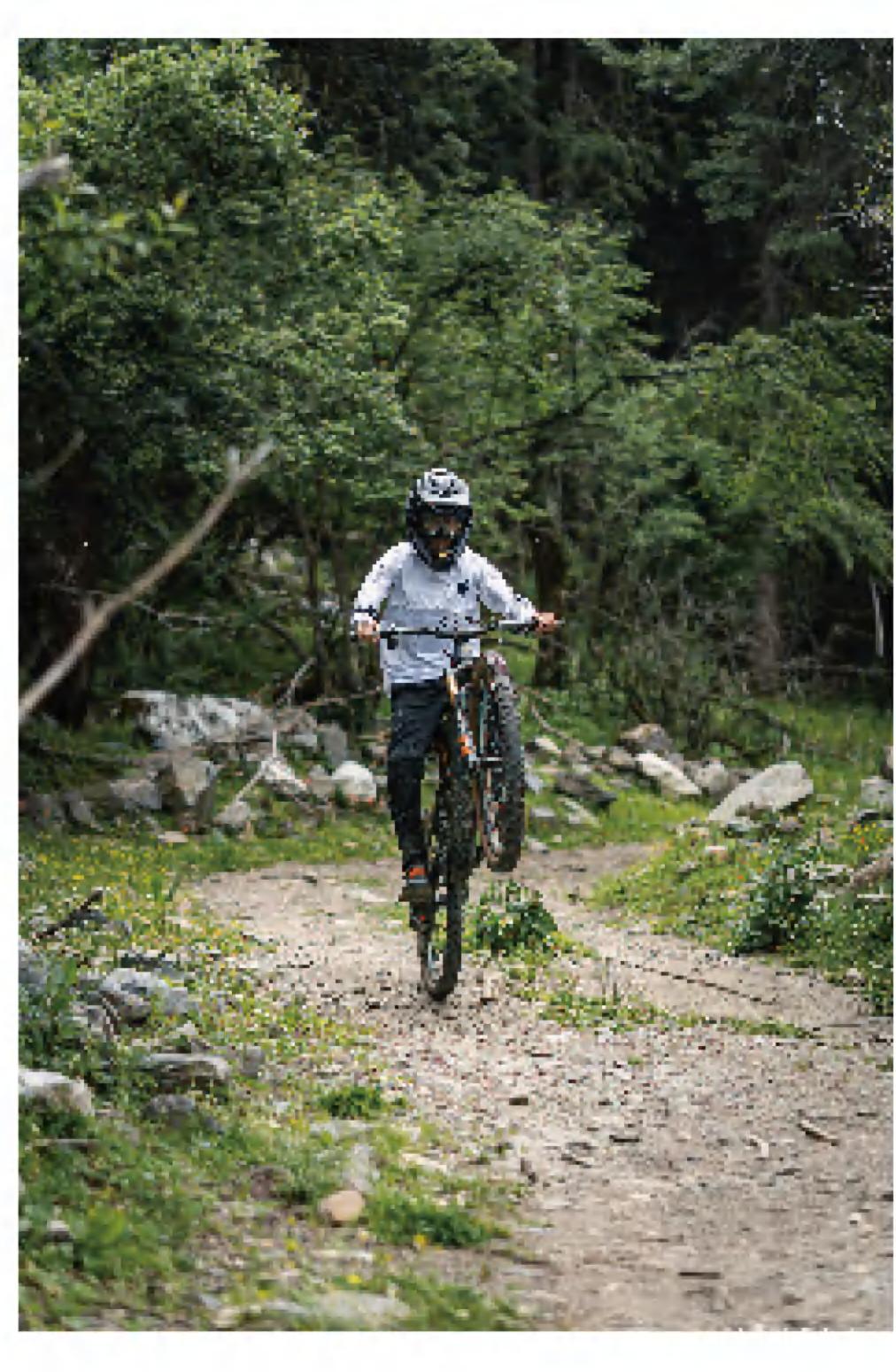
Sapim E-Light spokes

Front rim: DT SWISS EX511 29 30mm 32H Rear rim: DT SWISS EX511 27.5 30mm 32H

Front tire: MAXXIS ASSEGAI 29'\*2.5

Rear tire: MAXXIS MINION DHR II 27.5'\*2.4















# ROGUEX

#### HANDLEBAR SYSTEM

Velduro handlebar, alloy, 800L, 35R Velduro alloy stem 35mm dia, 40mm long FSA No.57 MTB 44/56 alloy headset Velduro enduro grips

#### SUSPENSION SYSTEM

Fox 38 P-S fork 2026, 29 inch, 170mm, Grip Fox float shock P-S 2026, 205X65mm TR

#### SADDLE SYSTEM

Velduro enduro dropper travel as below S: 170mm, M&L&XL: 200mm Fizik terra aidon X5 145mm

#### BRAKE SYSTEM

Magura MT5 4-piston, HC lever Magura MDR-C disc front220/rear200mm

#### DRIVE SYSTEM

Sram E-MTB Chainring 104 BCD 34T
Avinox SL Crank 155mm
Sram Eagle 70 single-click lever
Sram Eagle 70 Transmission derailleur
Sram XS1270 T-type 12S cassette 10-52T
Sram Eagle 70 T-type Chain

#### WHEEL SYSTEM

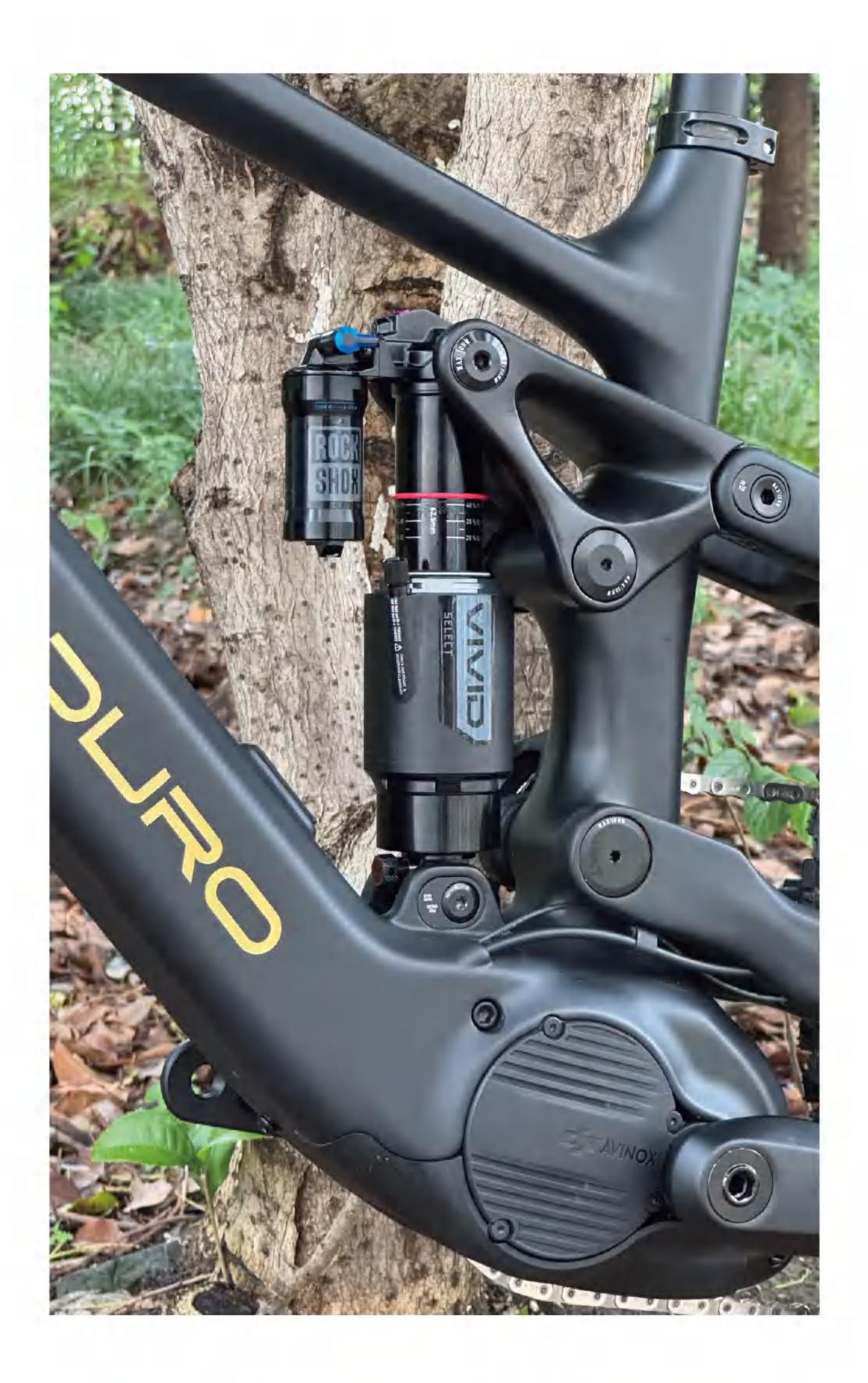
Front hub: Velduro 2-bearings BOOST 15mm Rear hub: Velduro 4-bearings BOOST 12mm HG

Sapim E-Light spokes

Front rim: WTB ST tough i30 29inch alloy Rear rim: WTB ST tough i30 27.5inch alloy

Front tire: MAXXIS ASSEGAI 29'\*2.5

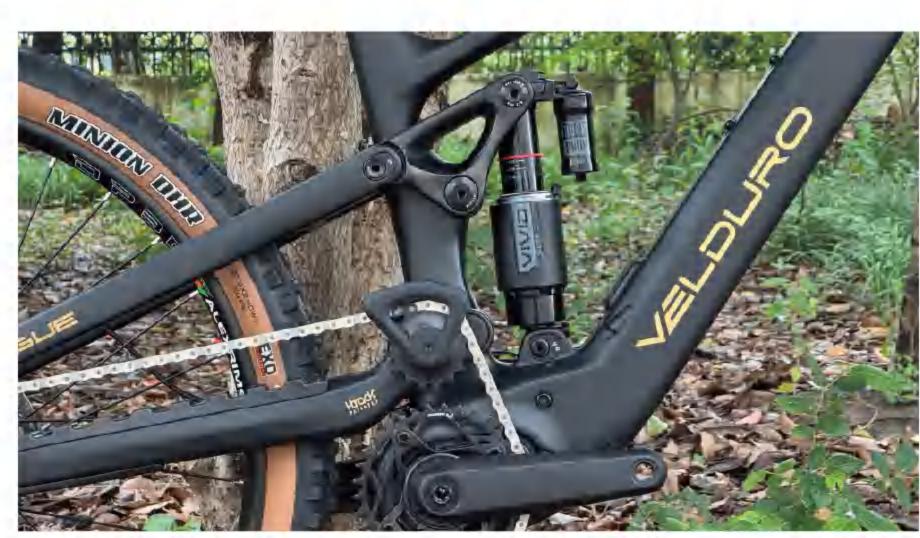
Rear tire: MAXXIS MINION DHR II 27.5'\*2.4

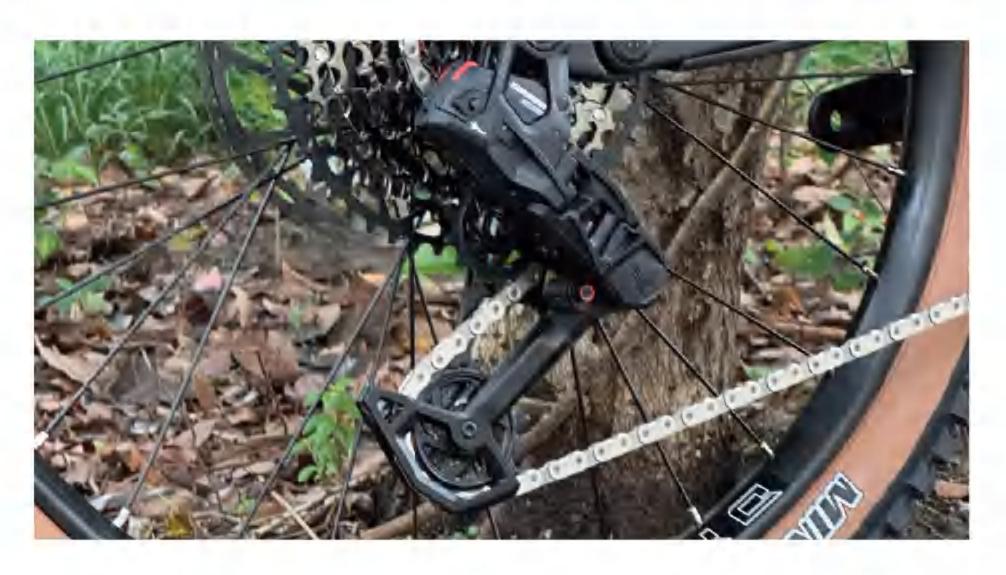














# ROGUE FRAME ONLY



#### WHATS INCLUDED

Rogue carbon frame
16T CNC idler with idler guide
Sram E-MTB Chainring 104 BCD 34T
FSA No.57 headset
Rogue motor cover
Rogue charge port cover
12X148 rear thru axle
UDH Hanger
Bottle cage screws
Seatpost clamp
Cable lugs



Dji avinox chainwheel spider with lock

Dji avinox isis crank 155mm

Dji avinox battery 36V 800Wh

Dji DP100 2inch smart screen

Dji BC100 bluetooth remoter X2

Dji speed sensor

Dji 4A 168Wh charger

Dji power cables





## SPEC SUITABLE LIST

#### HANDLE SYSTEM

EXternal wiring headset, dia top 44mm/bottom 56mm

#### SUSPENSION SYSTEM

1.5T, 160-180mm travel fork suitable, 170mm travel as suggest Shock 205mmX65mm(TR), bushing as M8\*30mm 65mm travel shock max to 172mm rear travel 62.5mm travel shock as 160mm rear travel

#### SADDLE SYSTEM

Dia 31.6mm, insert depth 280mm on M-size frame Dropper travel suggest as below S:180mm, M&L:210mm, XL:240mm Dropper cable length: 1200mm

#### BRAKE SYSTEM

Frame rear brake flat mount 200mm Front brake cable 950mm Rear brake cable 1700mm

#### DRIVE SYSTEM

Chainwheel: 104BCD, up to 34T
Crank: up to 165mm length, Min offset:25mm
Sram AXS POD Controller
UDH deralleur suitable
1x shifting only
Shimano and SRAM shift both fit
E-shift and manual shift both fit
Manual shift cable length 2000mm

#### WHEEL SYSTEM

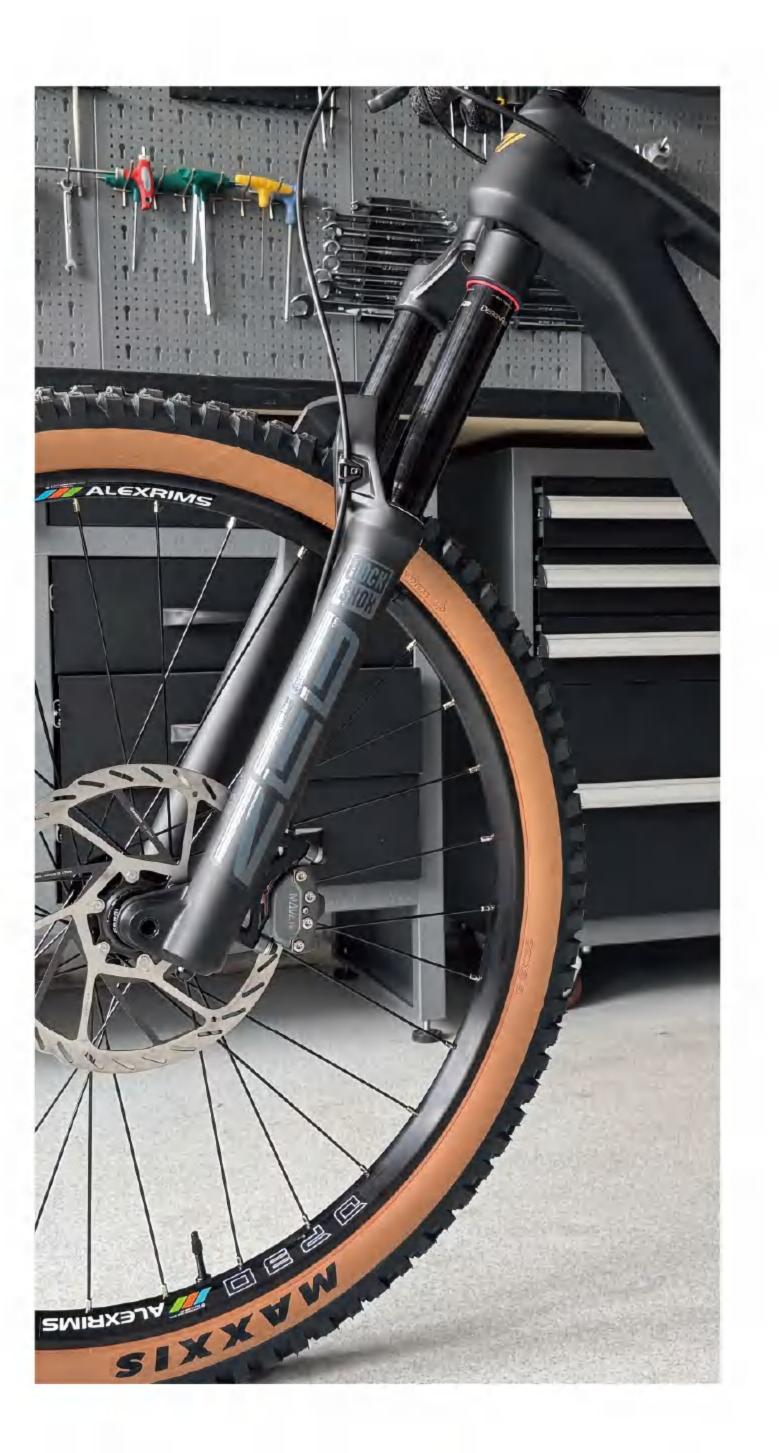
Front hub: depends on the fork, normally 15X110mm

Rear hub: 12X148 boost Front rim: 29'(700C) rim

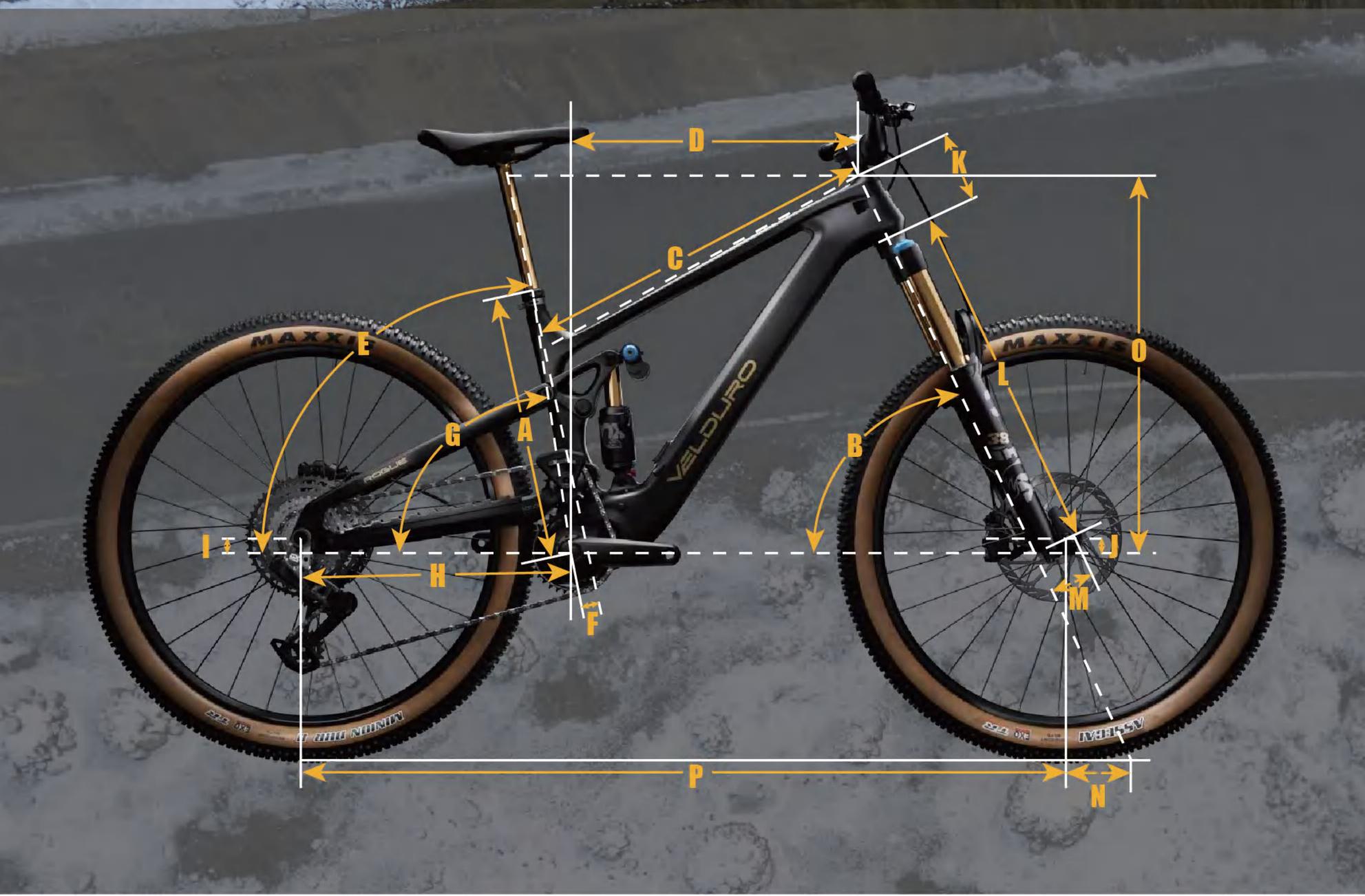
Rear rim: 29'(700C) or 27.5(650B) rim

Front tire: max to 29'X2.6

Rear tire: max to 29'X2.6 or 27.5'X2.6







100 700	The state of the s	TY SE	110000		NA THE RESERVE TO THE
- 4		S	M	L	XL
Α	EFF. Seattube Length	390	410	430	465
В	Headtube Angle	63.5	63.5	63.5	63.5
C	EFF. Toptube Length	573.5	599.5	624	652
D	Reach	440	466	485	515
E	ACT. Seattube Angle	75.5	75.5	75.5	75.5
F	Seattube Offset	30	30	30	30
G	EFF. Seattube Angle	78	78	78	78
Н	Chainstay Length	440	440	440	440
1	BB Drop at Rear Wheel	12	12	12	12
J	BB Drop at Front Wheel	31	31	31	31
K	Headtube Length	110	110	120	125
L	Axle to Crown	584	584	584	584
M	Fork Offset	44	44	44	44
N	Trail	140	140	140	140
0	Stack	632.5	632.5	641.5	646
Р	Wheelbase	1230	1265	1300	1335
RECOMMENDED HEIGHT(CM)		160-172	172-182	180-188	185-195

Based on Mullet wheels and standard shock position.







#### PHENTON

The Phantom is the ultimate e-gravel machine. Our e-gravel model has not compromised weight, strength, quality or tyre size. We have collaborated with gravel riders to create the ultimate ride that allows the riders the freedom to explore and conquer any terrain put in front of them. The combination of our light-weight carbon frame, gear set and the DJI powered Avinox motor system make the Phantom the fastest and most versatile e-gravel on the market.

The Phantom's frame set and geometry was designed over two years and tested on some of New Zealand's most unforgiving trails. We abandoned glued carbon joints for monolith molding (a single giant mold that fuses the entire frame with precision). The EPS core tech eradicates all internal molds, leaving a pristine frame and eliminating weak points. This innovation slashes weight by 25% while boosting strength by 20%. From slack head angles for steep descents, shorter chainstays for agility, and DJI avinox for stability and speed. The Phantom was built to conquer all terrain.





With bike packing taking off globally we added six fork mounts, eight main triangle mounts, and rear rack compatibility.

Each anchor is CNC-machined for durability and positioned to balance weight and avoid toe overlap. The Phantom is the ultimate all-rounder.

With SRAM's Universal Derailleur Hanger (UDH) this durable design can withstand rock strikes and simplifies replacements mid-ride. Paired with clearance for 50c tires, the Phantom dominates loose gravel, rocky trails and extreme climbs.

#### WHY THREE PHANTOM MODELS?

We believe gravel isn't a one-size-fits-all pursuit. The Phantom is split into 3 models: S/X/R. Whether you're a commuter dodging traffic, an explorer riding forgotten trails, or a racer craving speed, there is a Phantom model that suits your riding style. With the DJI avinox motor and Velduro's design, the Phantom is unstoppable.

#### PHANTOM S



The Phantom S redefines urban adventure. It's flat-bar design blends Shimano CUES's buttery shifts with DJI's torque-sensing pedal assist, making hills feel flat and errands feel exhilarating. The relaxed geometry prioritizes comfort, while hidden cargo mounts let you strap a laptop bag or picnic blanket seamlessly. Puncture-resistant 45c tires ensure stress-free miles—whether navigating city chaos or coastal bikeways. This isn't just a bike; it's a gateway to rediscovering daily joy on two wheels.

# The Phantom X pairs SRAM's Rival/GX AXS wireless shifting with DJI's 105 N·m torque in a razor-focused package. The lightweight monolith frame, 50c tire clearance, and aggressive yet stable geometry eat up singletrack, gravel roads, and alpine passes. Customizable assist modes sync with the Avinox app, letting you dial in efficiency for endurance epics or bursts for technical sprints.

## PHANTOM X



#### PHANTOM R



The Phantom R is a gravel's apex predator. Building on the X's foundation, it adds a SRAM Rudy suspension fork (50mm travel) and Reverb AXS dropper post to dominate chunky descents and rock gardens. The monolith frame's reinforced junctions handle suspension loads, while the Avinox system's Boost mode provides explosive 120 Nm torque for steep, loose climbs. Wide 50c tires, and a 600Wh battery make it a self-sufficient beast for multi-day bikepacking races or back-country missions. This is the bike for riders who want it all.

# PHANTOM R

#### HANDLEBAR SYSTEM

Velduro carbon gravel handlebar, Dia.31.8, Flare 15° S/M: 420mm L/XL: 440mm FSA SMR Alloy -6° S: 70mm, M: 80mm, L: 90mm, XL: 100mm FSA internal alignment headset Velduro black comfort strap

#### FORK&SADDLE

Rockshox rudy XPLR suspension fork, 40mm travel Rockshox Reverb AXS XPLR dropper, 50mm travel Fizik terra aidon X5 145mm

#### BRAKE SYSTEM

Sram Rival E1 AXS hydraulic brake Sram HS2 disc front/rear160mm

#### DRIVE SYSTEM

Velduro chainwheel 104BCD 44T, 3mm inward Avinox SL crank 165mm Sram Rival E1 AXS drop-bar shifter Sram Rival E1 13S AXS derailleur w/ powercable Sram XS1351 T-type 13S cassette 10-46T Sram Rival E1 flat-top chain

#### WHEEL SYSTEM

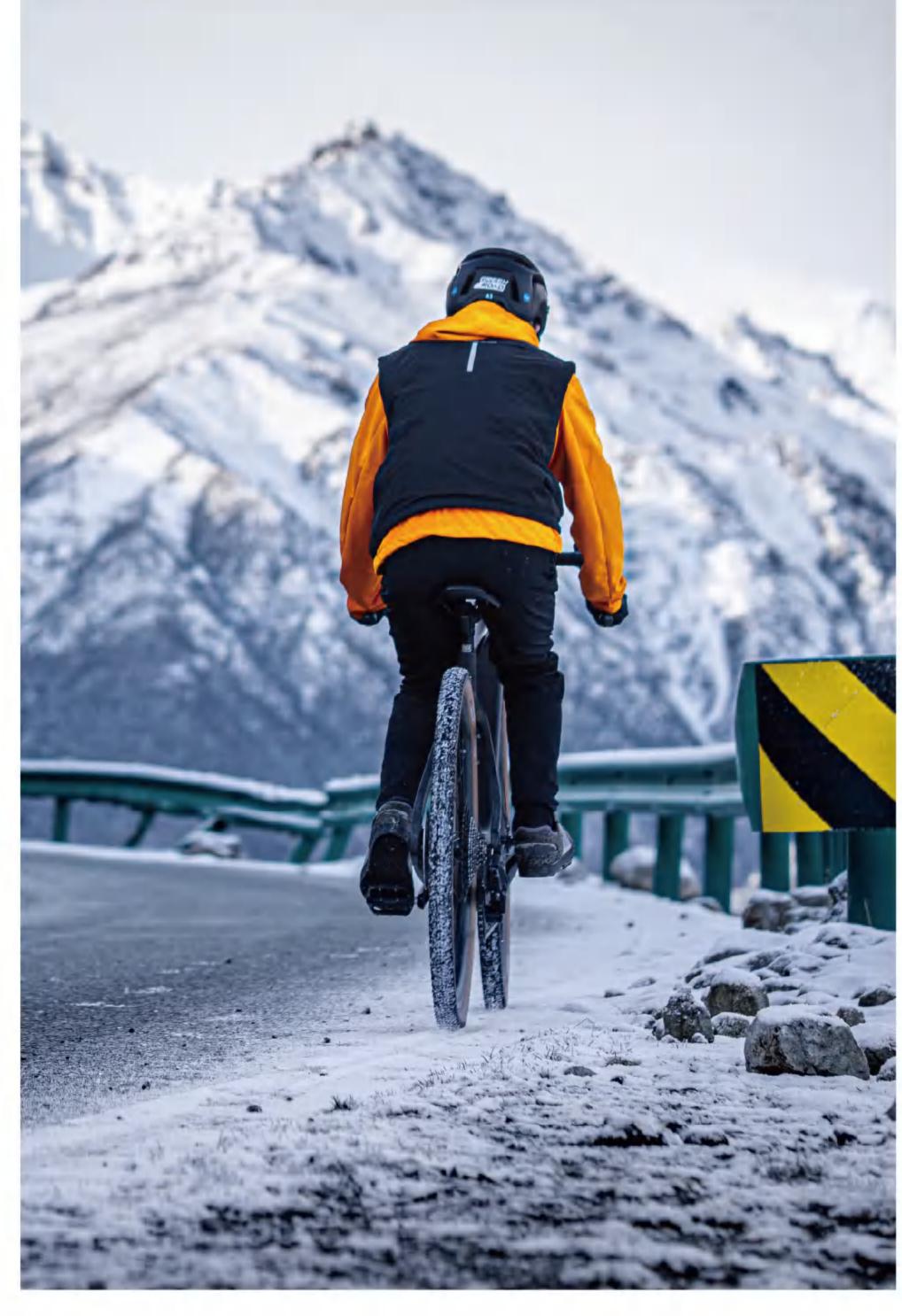
Velduro 2-bearings front hub
Velduro 4-bearings rear hub with XDR
Velduro carbon 700C BLK 24H Rim
Velduro 13G spokes
Maxxis Rambler tires 700X45C

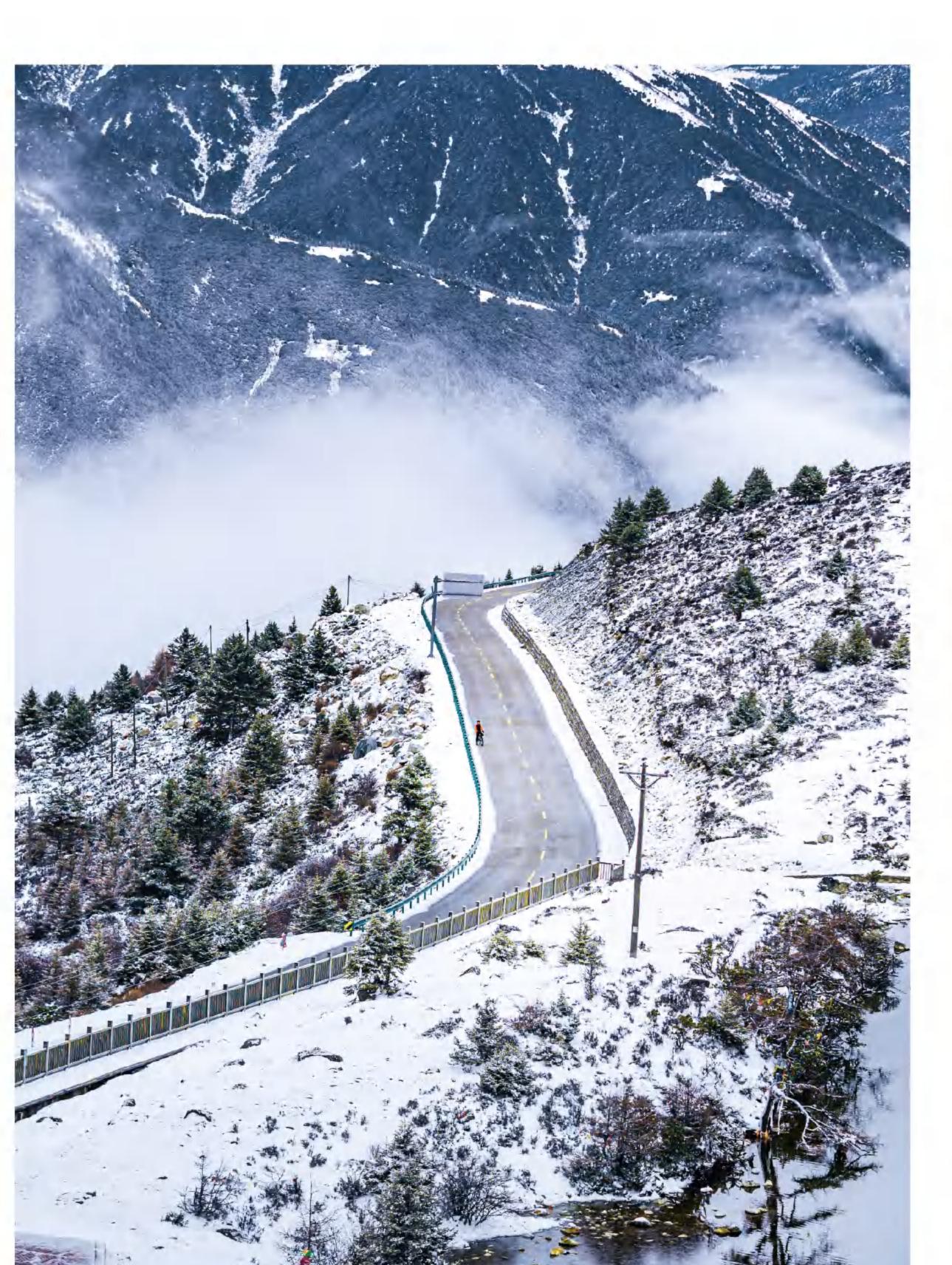
#### OPTIONAL

Velduro alloy rear rack Velduro front&rear mudguard

Phantom R weights 16KG















# PHANTOMX

#### HANDLEBAR SYSTEM

Velduro carbon gravel handlebar, Dia.31.8, Flare 15° S/M: 420mm L/XL: 440mm FSA SMR Alloy stem -6° S: 70mm, M: 80mm, L: 90mm, XL: 100mm FSA internal alignment headset Velduro black comfort strap

#### FORK&SADDLE

Velduro Carbon gravel fork with mounts Velduro Carbon seatpost 27.2mm, 380mm long Fizik terra aidon X5 145mm

#### BRAKE SYSTEM

Sram Rival AXS hydraulic brake Sram HS2 disc front/rear160mm

#### DRIVE SYSTEM

Velduro chainwheel 104BCD 44T, 3mm inward Avinox SL crank 165mm Sram Rival E1 AXS drop-bar shifter Sram Rival E1 13S AXS derailleur w/ powercable Sram XS1351 T-type 13S cassette 10-46T Sram Rival E1 flat-top chain

#### WHEEL SYSTEM

ESATON EC70 front carbon wheel set EASTON EC70 rear carbon wheel set XDR Maxxis Rambler tires 700X45C

#### OPTIONAL

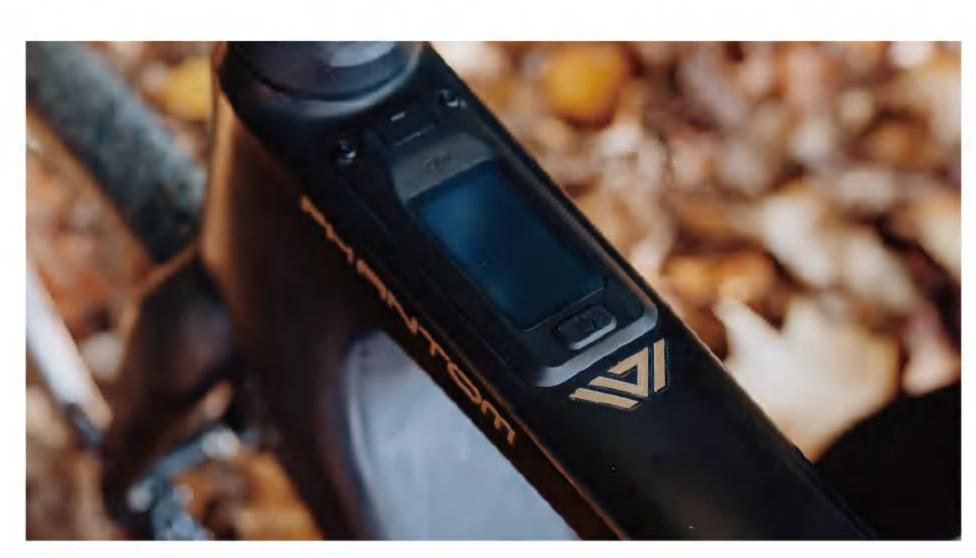
Velduro alloy rear rack Velduro front&rear mudguard















## PHANTOM S

#### HANDLEBAR SYSTEM

Velduro alloy flat bar, 680mm wide Velduro Alloy road stem, S: 60mm, M: 75mm, L: 90mm, XL: 105mm Token internal alignment headset Velduro black comfort grip

#### FORK&SADDLE

Velduro Carbon gravel fork with mounts Velduro alloy seatpost 27.2mm, 380mm long Velo comfort vacuums seat

#### BRAKE SYSTEM

Sram S300 hydraulic brake
Sram centerline disc front/rear160mm

#### DRIVE SYSTEM

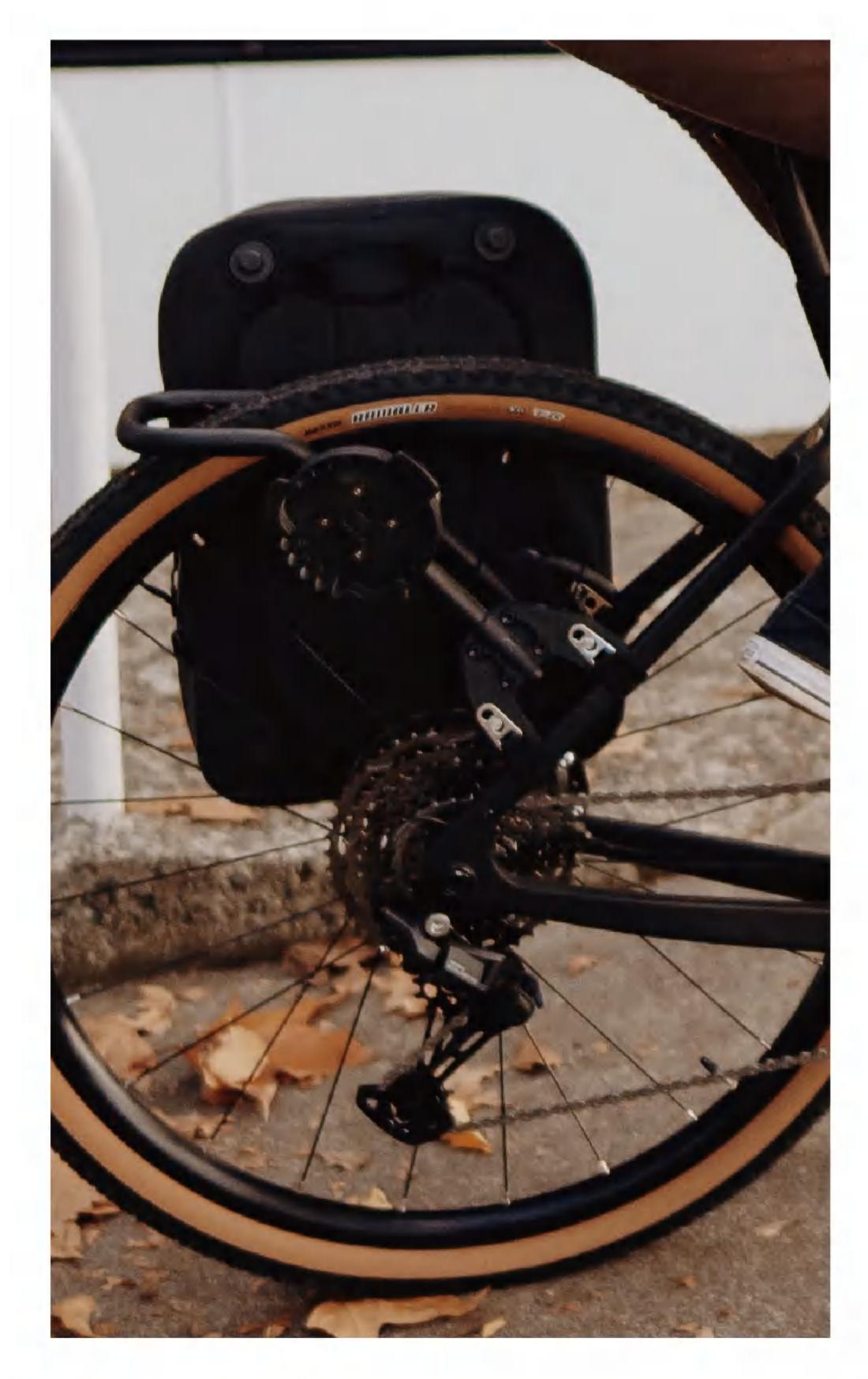
Velduro chainwheel 104BCD 44T, 3mm inward Avinox SL crank 165mm Shimano CUES U6000 11S shifter Shimano CUES U6000 11S deralleur Shimano CUES 11S cassette 11-45T Shimano CUES LINKGLIDE chain

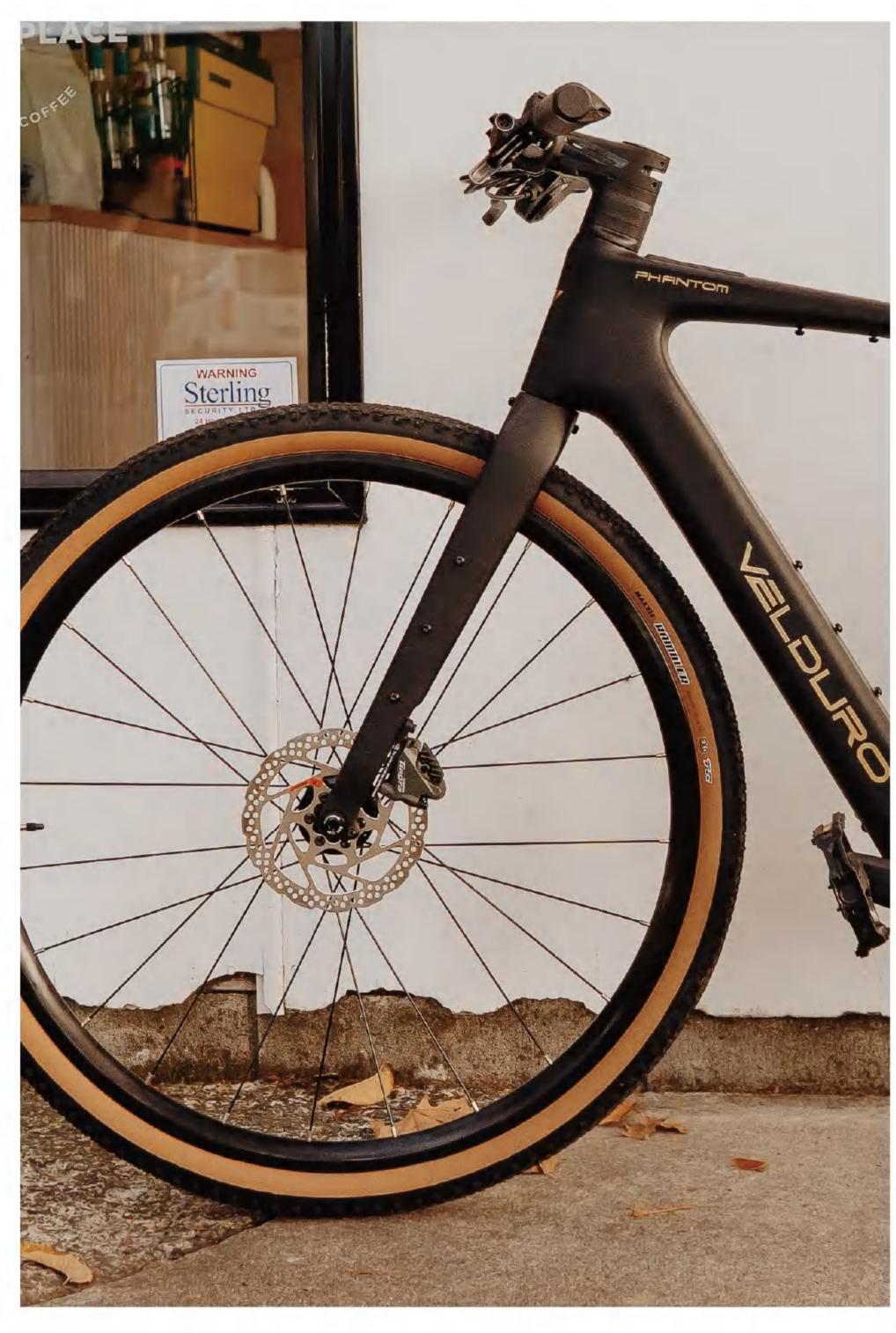
#### WHEEL SYSTEM

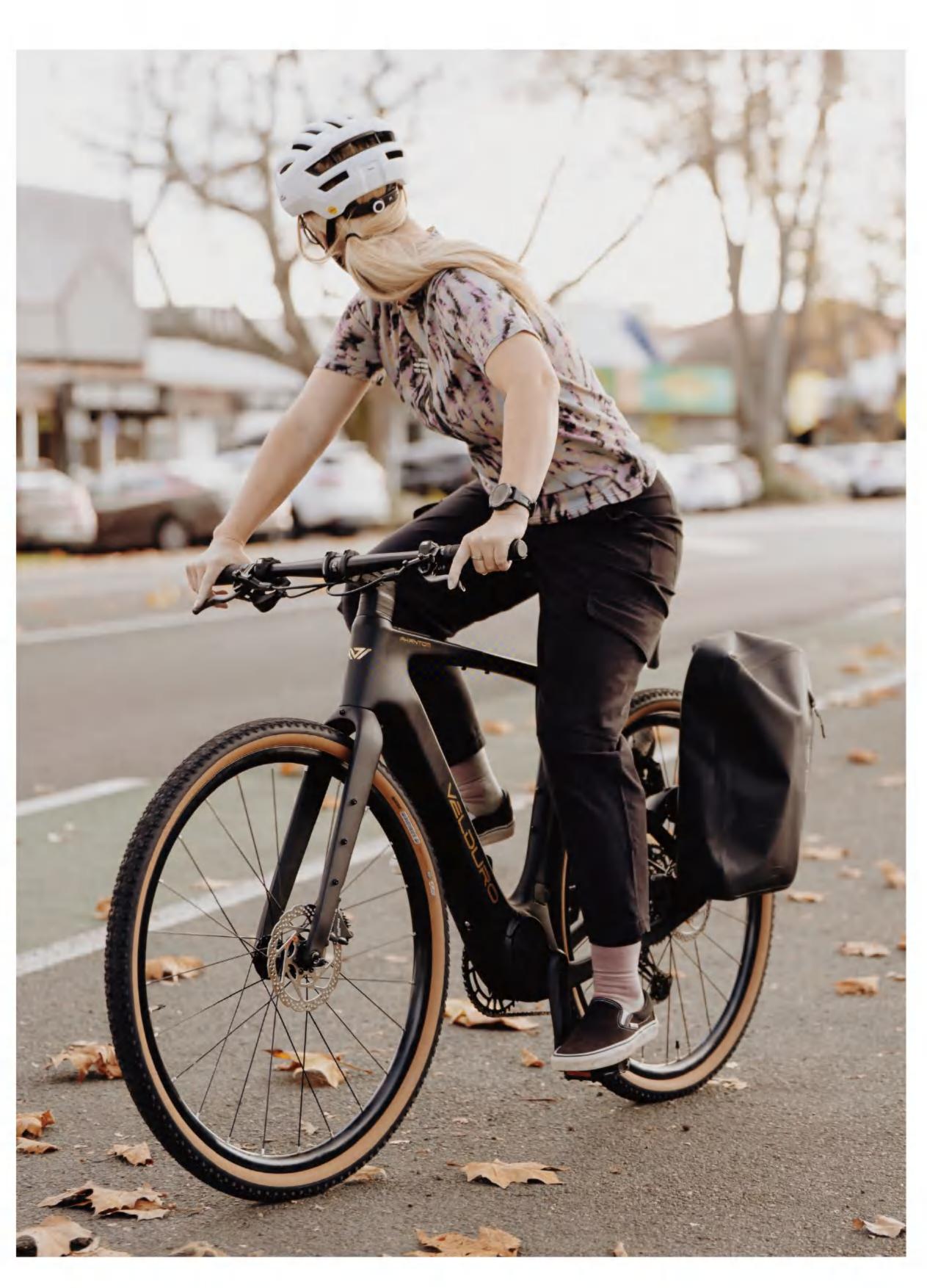
Velduro front hub 13G\*24H, 2 bearings Velduro rear hub 13G\*24H, 4 bearings Velduro 13G spokes Alex alloy black rim 24mm inner wide Continental terra trail 45C tires

#### OPTIONAL

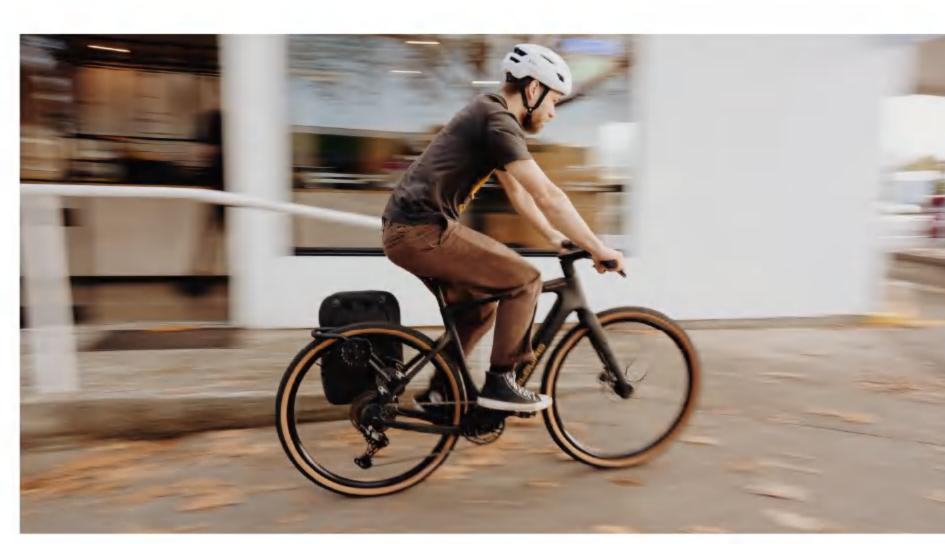
Velduro alloy rear rack Velduro front&rear mudguard Velduro kickstand















# PHANTOM FRAME ONLY



#### WHATS INCLUDED

Phantom carbon fork
Phantom motor cover
12X142 rear thru axle
UDH Hanger
Bottle cage screws
Seatpost lock
FSA SMR Alloy stem -6° S: 70mm,
M: 80mm, L: 90mm, XL: 100mm
FSA internal alignment headset

Dji avinox M1 motor 250W 105Nm

Dji avinox chainwheel spider with lock

Dji avinox isis crank 165mm

Dji avinox battery 36V 600Wh

Dji DP100 2inch smart screen

Dji BC100 bluetooth remoter X2

Dji speed sensor

Dji 4A 168Wh charger

Velduro chainwheel 44T, 3mm inward

Phantom charge port cover



## SPEC SUITABLE LIST

#### HANDLE SYSTEM

Drop bar and flat bar both suitable

#### FORK&SADDLE

Suspension gravel fork suitable, RS-Rudy/ Fox-32TC / SR GVX etc. Circle seatpost dia 27.2mm, frame insert depth 280mm E-dropper and manual Dropper suitable, Dia 27.2mm Dropper cable length 1100mm



Carbon fork front brake post type mount 140mm Frame rear brake flat mount 160mm Front brake cable 900mm Rear brake cable 1500mm

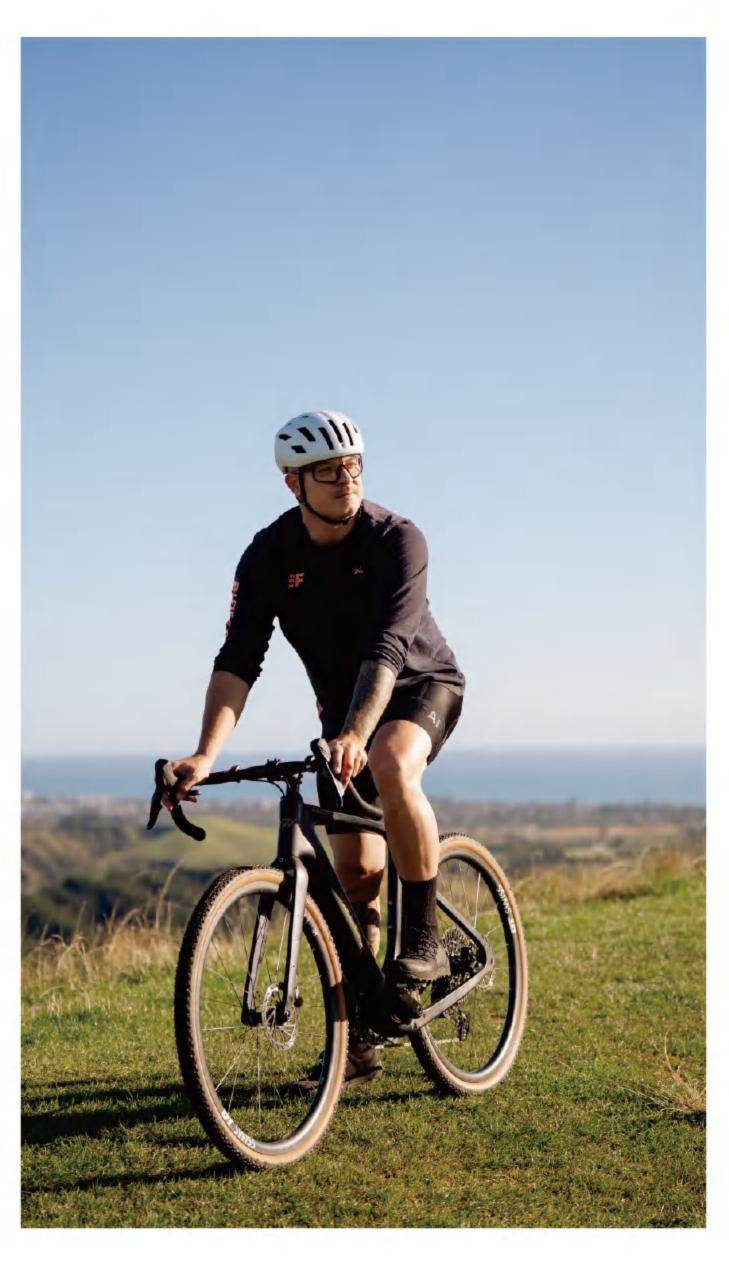


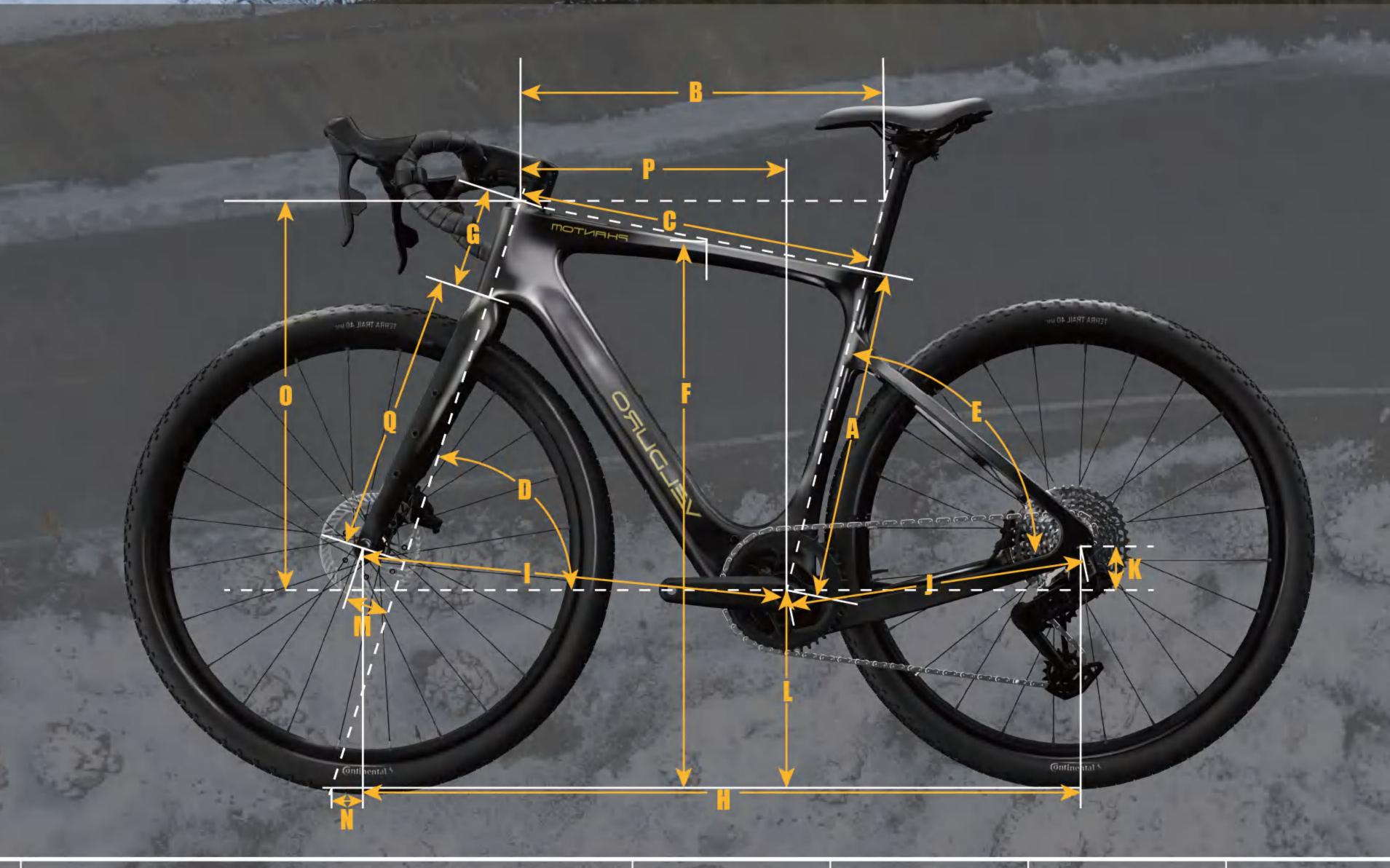
#### DRIVE SYSTEM

Chainwheel: 104BCD, up to 44T
Crank: length up to 165mm, 0 offset suitable
UDH deralleur suitable, up to 13 speed
1x shifting only
Shimano and SRAM shift both fit
E-shift and manual shift both fit
Manual shift cable length 1650mm

#### WHEEL SYSTEM

Front hub 12x100mm for carbon fork Rear hub 12x142mm 700C rims suitable Up to 50C gravel tire





71		S	M	L	XL
Α	SEAT TUBE LENGTH (MM)	466.5	486.5	508.5	526
В	TOP TUBE HORIZONTAL (MM)	521	533.5	549.5	562
C	TOP TUBE ACTUAL (MM)	503	515	529	542
D	HEAD TUBE ANGLE	71	71	71	71
E	SEAT TUBE ANGLE	74	74	74	74
F	STANDOVER (MM)	789	797	814	831.5
G	HEAD TUBE LENGTH (MM)	135	146.5	159	179
H	WHEELBASE (MM)	1004	1013.5	1027	1042
	FRONT CENTER (MM)	589.5	599.5	607	622
J	CHAIN STAY LENGTH (MM)	425	425	430	430
K	BOTTOM BRACKET DROP (MM)	72.5	72.5	72.5	72.5
L	BOTTOM BRACKET HEIGHT (MM)	282.5	282.5	282.5	282.5
M	FORK RAKE (MM)	41	44.5	48.5	48.5
N	TRAIL (MM)	82	75.5	68	63
0	STACK (MM)	554	567.5	584.5	600
Р	REACH (MM)	366	372.5	376.5	385
Q	AXEL TO CROWN(MM)	394.5	396.5	398.5	398.5
R	ECOMMENDED HEIGHT(CM)	160-172	172-182	180-188	185-195







# CONTACT US

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