

Technical details

Tern Orox S12, 27.5", 800Wh

GENERAL INFO

SPEEDS:

1 x 12

WEIGHT:

M: 37,1 kg (81,8 lb)

GEAR INCHES:

18" - 95" (1.48 - 7.54 m)

FRAME SIZES:

M, L

DISTANCE: SEATPOST TO HANDLEBAR:

M: 61 - 66 cm (24 - 26 in) ;

L: 67 - 73 cm (26,4 - 28,7 in)

DISTANCE: SADDLE TO PEDAL:

M: 71 - 99 cm (28 - 39 in) ;

L: 76,5 - 104,5 cm (30,1 - 41,1 in)

SUGGESTED RIDER HEIGHT:

M: 155 - 185 cm (61 - 72,8 in) ;

L: 165 - 195 cm (65 - 76,8 in)

MAX GROSS VEHICLE WEIGHT:

On-road: 210 kg (463 lb) ;

Off-road: 180 kg (396,8 lb)

MAX RIDER WEIGHT:

130 kg (286,6 lb)

FRAME

FRAME:

Tern Orox, 6061-AL, patented design, EFBE tested and approved

FORK:

Atlas X, butted chromoly steel, EFBE tested and approved

COCKPIT

STEM:

Level Nine, 45 mm (M), 65 mm (L), Syntace VR-3 certified

HEADSET:

FSA, 1.5", angular contact bearings

HANDLEBAR:

Level Nine, AL-7050, 800 mm, riser, eMTB approved

GRIPS/BAR TAPE:

Ergon

SADDLE:

Ergon SM, E-Mountain Sport, CrMo Rail

SEATPOST:

Syntace P6 AL7050, 34.9 mm, Syntace VR-3 SP-approved

SEATPOST CLAMP:

Tern Collar

BRAKES

FRONT BRAKE:

Magura MT5, 4-piston hydraulic disc, 203 mm rotor

REAR BRAKE:

Magura MT5, 4-piston hydraulic disc, 203 mm rotor

BRAKE LEVERS:

Magura MT5, hydraulic

BRAKE CABLE & HOUSING:

Magura, hydraulic

WHEELS

FRONT WHEEL:

Tern Atlas X, ultra-heavy duty cargo construction, 27.5"

REAR WHEEL:

Tern Atlas X, ultra-heavy duty cargo construction, 27.5"

FRONT HUB:

Tern Atlas X, CNC body, disc cooling fins, Boost Thru-Axle, integrated Tern Tool with 5mm hex/T20 Torx

REAR HUB:

Tern Atlas X, CNC body, disc cooling fins, Boost Thru-Axle, Syntace X-12 standard

SPOKES & NIPPLES:

Stainless steel

RIMS:

Tern Atlas X, custom doublewall construction

TIRES:

Schwalbe Johnny Watts 27.5" x 4"

TRANSMISSION

SHIFTER(S):

Shimano Deore, 1 x 12 spd

REAR DERAILLEUR:

Shimano Deore XT Shadow+

CRANKSET:

Tern Orox custom

CASSETTE/FREEWHEEL:

Shimano 10-51T, 12 spd

BOTTOM BRACKET:

Motor integrated

CHAIN:

KMC 12 spd, for eBike, EPT corrosion resistant coating

PEDALS:

MTB, non-slip

SHIFTER CABLE & HOUSING:

Jagwire LEX-SL, slick treatment, alloy ferrules

E-SYSTEM

MOTOR:

Bosch Performance CX, max speed 25 kph (EU); max speed 20 mph (US)

BATTERY:

800 Wh, Bosch Dual Battery pack ready

DISPLAY:

Bosch Kiox 300 w/ LED remote, electronic bike lock

RANGE:

800 Wh: 93 - 161 km (58 -100 mi); 1600 Wh: 185 - 322 km (115 - 200 mi)

CHARGER:

220V, 4A (EU); 100-240V, 4A (US)

CONNECT MODULE:

Bosch Connect Module with GPS/GSM connectivity & anti-theft alarm when subscribed to Flow+; free 12-month trial upon activation

BELLS & WHISTLES

BELL:

Pitch Plus, brass

TOOL:

Thru-axle lever, 4/5 mm, Torx 2.5 mm

CHAINGUARD:

Custom Bash Guard

PAINT PROTECTION:

ToughShield film on top and downtube, self-healing

KICKSTAND:

Atlas Kickstand XL Cargo ready

FRONT LIGHT:

Ignis Headlight, Ultra wide 700 lumens, Hi/Lo Beam

REAR LIGHT:

LED w/ G-Sensed Brake Light

FENDERS:

Aluminum, heavy duty construction, oversize stays, 27.5"

RACK(S):

Atlas X, 100 kg (220 lb) capacity