

## *Technical details*

### **Tern Orox R14, 27.5", 800Wh**

#### GENERAL INFO

##### SPEEDS:

1 x 14

##### WEIGHT:

M: 34,9 kg (76,9 lb)

##### GEAR INCHES:

18" - 96" (1.45 - 7.64 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:

Rohloff, 526% range, Boost

SPOKES & NIPPLES:

Stainless steel

RIMS:

Tern Atlas X, custom doublewall construction

TIRES:

Schwalbe Johnny Watts 29" x 2.6"

## TRANSMISSION

SHIFTER(S):

Rohloff, Twist

CRANKSET:

Tern Orox custom, Gates CDX CNC machined beltring

CASSETTE/FREEWHEEL:

Gates CDX, precision CNC machined cog

BOTTOM BRACKET:

Motor integrated

CHAIN:

Gates Carbon Drive CDX belt

PEDALS:

MTB, non-slip

SHIFTER CABLE & HOUSING:

Rohloff

## 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, 29"

**RACK(S):**

Atlas X, 100 kg (220 lb) capacity