

79BIKE Falcon Lite

2026 Specifications

POWER & PERFORMANCE

Peak Motor Power: 8 kW

Top Speed: Up to 52 MPH

Maximum Torque: 340 N·m

Riding Modes: E / D / S

Claimed Range: Up to 50 miles

Recommended Rider Age: 18+

BATTERY & CHARGING

Battery: 72V 30Ah NMC Lithium-Ion

Battery Cells: M50LT

Charging Time: Approximately 3–4 hours

Emissions: Zero tailpipe emissions

CHASSIS & DIMENSIONS

Bike Weight: 138 lbs. including battery

Frame: Aluminum Alloy

Wheelbase: 49.2 inches

Seat Height: 32.7 inches

Front Suspension Travel: 7.9 inches

Rear Suspension Travel: 3.3 inches

WHEELS & TIRES

Front Tire: 70/100-19 off-road tire

Rear Tire: 3.0 × 18 off-road tire

BRAKING

Front Brake Rotor: 220 mm × 2.3 mm

(approximately 8.7 inches × 0.09 inches)

Rear Brake Rotor: 203 mm × 2.3 mm

(approximately 8.0 inches × 0.09 inches)

BUILT TO MAKE TRAILS MORE FUN

8kW PEAK POWER

The Falcon Lite's mid-drive motor delivers up to **8kW of peak power**, giving riders responsive acceleration and strong off-road performance.

3 RIDING MODES

Choose the ride that fits the moment. **E, D, and S modes** let riders adjust the bike's power delivery for different riding conditions and preferences.

7.9" OF FRONT SUSPENSION

The adjustable front fork provides nearly **8 inches of travel**, helping the Falcon Lite handle bumps, uneven terrain, and changing trail conditions with greater control.

19" FRONT WHEEL

The large 19-inch front wheel is designed for confident off-road handling and helps the bike roll over uneven terrain.

138-LB READY-TO-RIDE WEIGHT

At **138 lbs. including the battery**, the Falcon Lite delivers a relatively lightweight platform that's easier to maneuver on the trail.

72V LITHIUM POWER

The **72V 30Ah NMC lithium-ion battery** provides the energy behind the Falcon Lite's electric powertrain while keeping the ride quiet and free of tailpipe emissions.

CHARGE & RIDE

With an approximately **3–4 hour charging time**, you can recharge and get ready for your next adventure.

UP TO 50 MILES OF RANGE

The Falcon Lite is rated for **up to 50 miles of range**, giving you plenty of potential riding time for trail adventures. Actual range will vary based on riding conditions, terrain, rider weight, speed, temperature, and riding mode.

ALUMINUM ALLOY FRAME

The aluminum alloy frame provides a strong foundation while helping keep overall bike weight down.