

WOWCAT C1 Electric Folding Bike

Owner's Manual

V1.1





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Dear Customer

Wowcat is committed to the development of outdoor sports, combining excellent and humanized industrial design, humanistic art, fun and nature, and scene application switching. To enable outdoor sports enthusiasts and urban players to enjoy the five benefits brought by the product: sports, health, leisure, nature, and social.

General Safety Notes

Read before riding

For safety reasons, it is very important that you read this user manual before you operate the bike. The proper handling will raise the riding performance and reduce some unnecessary danger during operation.

Respect others on the road

Please obey traffic laws and respect motor vehicles. Please stay in the lane where belong to bikes and pay attention to other riders or vehicles around so you can enjoy more fun safely.

Wear a helmet

A good, authorized bike helmet may prevent injury in an accident.

Servicing precautions

Do not proceed with servicing or adjustments without proper knowledge or tools. Turn to us for help or go to some bike shops for professional guidance.

Hit the books

This manual is only to be used in conjunction with other manuals included with your pedelecs such as motor, control system, component, and folding manuals.

Before Use & Every Ride



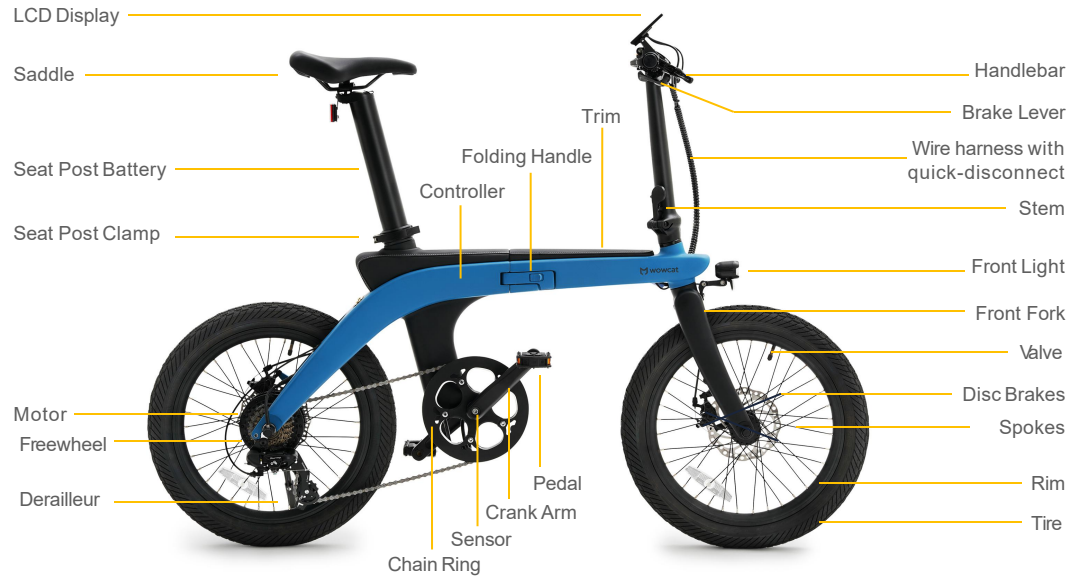
- Check tire pressure (3.4 – 5.1 bar // 50 – 75 psi).
- Ensure that brakes are working properly.
- Verify that the battery is sufficiently charged.
- Make sure that the handlebar and saddle post are correctly inserted and tightened.
- Verify that the wheel hub mounting nuts are correctly tightened.
- Verify that the seat post is firmly tightened using the screws.
- Do not over-tighten any screws as it may cause frame damage.
- Check if the handlebar attachment and saddle post are correctly inserted and tightened.
- Check if the wheel hub mounting nuts are correctly tightened.
- Check if the wheel rims are not cracked and that no spokes are loose or broken.
- Check if the tires are not worn or cut.
- Check if the tires are correctly inflated.
- Check that the battery is sufficiently charged.
- Check if the front and rear lights are working correctly.
- Check that the front and rear brakes brake work effectively.
- Check if the cables are sufficiently greased and that the brake pads are in good condition.
- Flat tire: To replace the rear tire, make sure to power off the Eole, and disconnect the motor cable first.



Improper use of the battery charger can cause a fire, resulting in severe injury or death and property damage. Please review the following instructions and guidelines carefully to ensure safe battery use and maintenance.

- Keep the charger away from children!
- While charging, put the battery in a secure place where children cannot reach it.
- Do not touch the two poles of the battery with your hands when the battery is removed for charging.
- Do not use any other charger other than the one that came with your WOWCAT electric bike.
- Do not attempt to open or repair your charger.
- Charge your bike indoors whenever possible.
- Charge your battery during the day in a room that has a smoke or fire detector.
- Do not charge in your bedroom.
- Charge in a well-ventilated area.
- Keep away from flames and sparks.
- Do not put anything on top of the charger while charging; it must be well-ventilated to allow the heat generated to dissipate.
- When charging, if there is a peculiar smell or the charger gets too hot to touch, please stop charging immediately.
- It is recommended that you charge and discharge your battery at least once every 2 months.
- When starting charging, connect the charger to the battery first, and then connect the plug to the wall.
- Once charging is complete disconnect the plug from the wall first, and then disconnect the charger from the battery
- To avoid damage to the battery, never subject the bike to intense physical shock, severe vibration, or impact.
- Store the battery in a cool, dry place.

Introduction to electric bike








Frame Material	Carbon Fibre	Rated Power	250W/350W
Front Fork	Carbon Fibre	Output Torque	55N.m/60N.m
Stem	Integrated Rod	Display	TFT LCD
Handlebar	600mm	Gear Set	L-TWOO 7S
Max Rider Weight	120kg	Brake System	WOWCAT Hydraulic
Max Speed	25km/h	Tire Size	20*2.25
Weight	17.4kg	Range	120km
Capacity	36V 10Ah	Charging Time	4-5H






- To turn the control panel ON or OFF, press and hold the Power Button for 2 seconds.
- To adjust the PAS levels from 0-5, press the Plus or Minus Button.
- To Turn ON or OFF the front light, press and hold the Plus Button for 2 seconds.
- To switch the readouts, press the MODE Button to check TRIP TIME, DISTANCE, ODO, RANGE, AVG SPEED, and MAX SPEED.
- To enable the walk mode, press and hold the Down button. This will power the bike at a steady 6 km/h speed.



QUICK START & FOLDING INSTRUCTION



<p>Step 1: Take all parts out of the box.</p>	
<p>Step 2: Slide the battery inside the seat tube, adjust to the desired height, and tighten the seat post handle.</p>	
<p>Step 3: Insert the battery power cord into the power connector and tighten the retaining nut.</p>	
<p>Step 4: Lift the handle to the proper position and lock it.</p>	
<p>Step 5: Pull the foot outward to the horizontal position.</p>	

<p>Step 1: Use the quick-release handles to lower the seat post.</p>	
<p>Step 2: Fold the pedal by pressing the lever on the pedal inward, then upward.</p>	
<p>Step 3: Fold the stem by pressing the releasing lever outward.</p>	
<p>Step 4: Fold the frame in the middle by pushing the button on the lever, locking out of the frame.</p>	
<p>Step 5: This is how the bike looks when it is completely folded.</p>	

Common problems and Solutions



Codes	Description	Solutions
04	Throttle doesn't return to 0 position	Check if the throttle is in the 0 position
05	Throttle failure	Check the throttle connection
07	Overvoltage Protection	Check the voltage of the battery
08	Failure of motor's hall signal wire	Check the motor
09	Failure of motor's phase wire	Check the motor
11	Failure of controller's temperature sensor	Check the controller
12	Failure of current sensor	Check the controller
13	Battery temperature issue	Check the battery
14	Motor temperature issue	Check the motor
21	Failure of speed sensor	Check the position of speed sensor
22	Failure of the BMS communication	Check the battery
30	Communication Error	Check the connection to the controller

Problems	Solutions
A. Top speed too slow	Fully recharge battery
B. Power ON but motor not working	Reinstall battery/ Replace fuse
C. Driving shorter distance per recharge	<ol style="list-style-type: none"> 1. Check tire pressures 2. Recharge completely or have charger re-inspected 3. Replace with a battery
D. The power and the indicator lights are all on, but not with pedal assist	<ol style="list-style-type: none"> 1. Controller needs to be replaced, or 2. Pedal assist module needs to be replaced, or 3. Motor needs to be replaced
E. The switch is turned on, and the bike takes off without using the pedal assist	<ol style="list-style-type: none"> 1. Controller needs to be replaced, or 2. Pedal assist module needs to be replaced, or motor needs to be replaced
F. You connect the power to the charger, but the indicator light does not come on	<ol style="list-style-type: none"> 1. Check whether there is electricity to the charger 2. If you have a voltage meter, you can check to see if the charger produces the correct current
G. You plug in the charger to the bike and the outlet, and the green light comes on instead of the red light. This means it not charging	<ol style="list-style-type: none"> 1. Check to see if the battery is fully charged. 2. Check whether the charger is properly plugged to both the battery and the outlet. 3. Check the voltage of the charger and battery. 4. If "zero" voltage on the charger, then it needs to be replaced. 5. If "zero" voltage from the battery, then check the fuse.

PARAMETERS



Motor	Rear Hub Motor
Nominal/Peak Power	250W/350W
Pedal Assist Top Speed	25km/h
Range	More than 120km at average pace
Charge Time	5hrs
Display	High brightness and high contrast 3.5 inch color TFT screen
Computer	LED with modifiable speed limit and 6km walk assist
Standard Battery Type	Lithium-Ion Cells
Standard Battery Specs	36v 10Ah
Bottle Battery Type	Lithium-Ion Cells
Readouts	Distance traveled, current velocity (km/h or mph), battery autonomy and mode
Pedal Assist	5 Levels
Frame	Carbon fibre Foldable in 3 steps
Fork	Custom Carbon fibre
Rear derailleur	Shimano Tourney 7 Speeds
Brakes	Disc brake
Tires	Innova 20*2.25

Torque Requirements for Screws/Every 300-500KM



It is vital that all screws are tightened to the appropriate torque values (Nm). Use a torque wrench tool to ensure that all screws are secure. Too much torque can damage the screw, nut, or component.

- Seat bolt: 22 Nm
- Seat post clamp: 5 Nm
- Brake levers: 3 Nm
- Headset bolt: 35 Nm
- Disc brakes: 6 Nm
- Brake calipers: 9 Nm
- Derailleur hanger: 8 Nm
- Bottom bracket: 35 Nm
- Crank: 50 Nm
- Crank arm: 35 Nm
- Pedals: 38 Nm
- Folding handle, Shaft screw: 10 Nm
- Axle nut, Rear: 22 Nm

Check the following for possible adjustments:

- Chain Sprockets;
- Rims;
- Wheel and Spokes;
- Brake pads for wear, to be replaced if required;
- Gearside;
- All folding levers;
- All mounting screws.



Kind of warranty	Parts	Terms
Frame type	Frame	2 years
Average accessories	Front fork, wheel, shift knob, flywheel, gear drive, the crankshaft, the driving axle, rear hub, screws hockey, complex steering wheel, saddle pin, front brake calipers, rear brake calipers, brake handle, flipper, cup of front fork, carriage, complex magnetic clasp.	1 year
Smart parts	Display, motor, motor controller, lights, power adapter, sensor, battery, etc.	1 year
Consumables	Tires, inner camera, chain, brake disc, brake pads, brake cable, cable for switching gears, reflector, headlight, taillight, pedal clip for wires and all additional components.	No warranty

What not included in the warranty:

1. A warranty period has expired;
2. Absence of sales receipt or its correction;
3. Damage, arising under force majeure circumstances;
4. Completion of maintenance, fall, neglect, abuse, water impact, accident, damaged label and marking device;
5. Device model, specified in the warranty card, does not match real goods;
6. Performing maintenance device, that does not meet guidelines, specified in instructions;
7. Emergence of unusual sound and vibration of pedals, rear bushings, steering systems, shock absorber, flywheel and other parts;
8. Deformation of wheels as a result of a heavy blow; damage to parts, caused by external factors or drop the bike; lowering the wheel as a result of a sharp object punctured; damage to individual components due to delayed replacement parts; damage or scratches on a saddle; frame damage as a result of installing a saddle above the specified limit height;
9. An emergence of flaking varnish, appearance of corrosion on a frame and other details of the bike due to moisture, shock, friction or other external factors; natural shedding varnish or fading of colors on metal, carbon and plastic parts after prolonged use of the bicycle;
10. Damage to the bicycle and its functions, as a result of its use to perform tricks, lowering the stairs, jumps and other similar actions;
11. Fracture or deformation of a frame as a result of excessive and improper use of a bicycle;
12. Built-in sensors are not subject to multiple charging. A warranty terms not apply to a dry battery, push-button type battery. When battery is spent, its replacement is performed by user and one's costs.

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For more information, you can also follow us
Facebook: [Wowcat Bike](#) Instagram: [wowcatbike](#)
Welcome to share wonderful moments with us.