

WINDHORSE C19

WINDHORSE Folding Electric Bike User Manual

Model: C19

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1. SAFETY INFORMATION

Please read this manual carefully before operating your WINDHORSE C19 Folding Electric Bike. Failure to follow these instructions may result in serious injury or damage to the product.

General Safety Guidelines

- Always wear a helmet that meets local safety standards when riding.
- Familiarize yourself with local laws and regulations regarding electric bicycles before riding.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery, and all fasteners.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in heavy rain, snow, or icy conditions. The bike has an IPX6 waterproof rating for the battery, but extreme weather can still be hazardous.
- Ensure the bike is properly folded and secured when transporting.

Battery Safety

- Use only the original charger provided with the bike.
- Do not expose the battery to extreme temperatures (above 45°C or below -10°C).
- Do not immerse the battery in water.
- Do not attempt to open or modify the battery pack.
- Charge the battery in a well-ventilated area, away from flammable materials.

Speed Limit

The default factory speed setting is 15.5 MPH. The bike is capable of higher speeds up to 21 MPH. If you choose to adjust the top speed, ensure you comply with all local laws and regulations regarding electric bicycle speed limits in

your area.

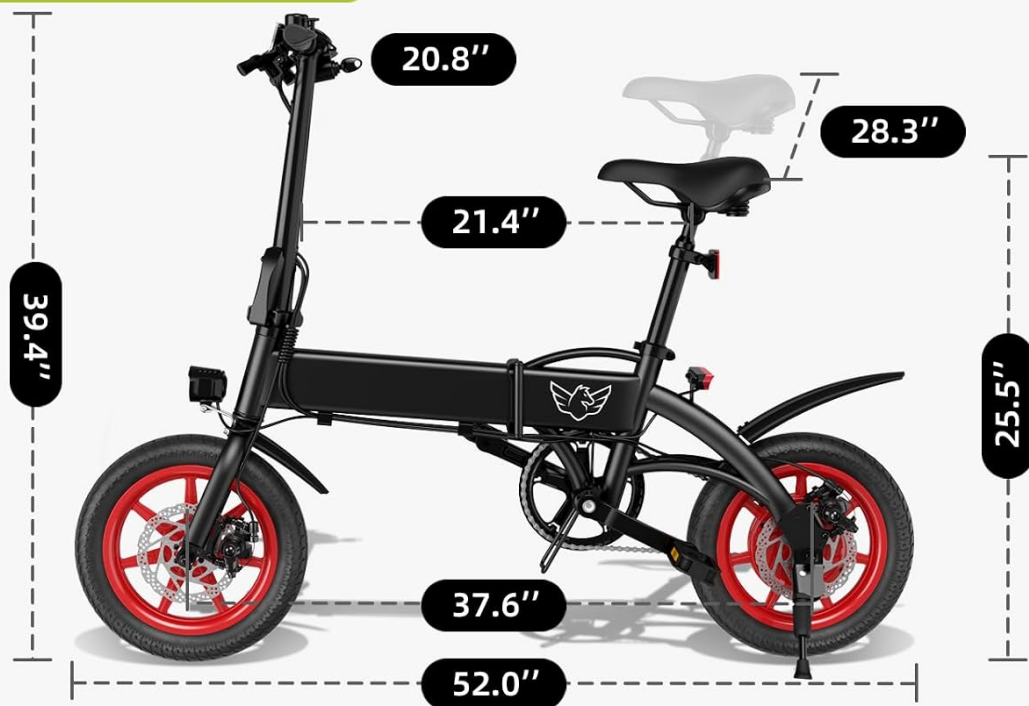
2. PRODUCT OVERVIEW

The WINDHORSE C19 is a compact and powerful folding electric bike designed for city commuting and leisure. It features a robust carbon alloy frame, a 350W geared hub motor, and a 288Wh removable lithium-ion battery.



Figure 2.1: The WINDHORSE C19 Folding Electric Bike in its unfolded state, showcasing its sleek design and compact form factor.

DIMENSION



5.25-6.23FT

Recommended Height



Max 330lbs

Load Capacity



45lbs

Bicycle Weight

Figure 2.2: Detailed dimensions of the WINDHORSE C19 Electric Bike, including unfolded and folded measurements, recommended height, and weight capacity.

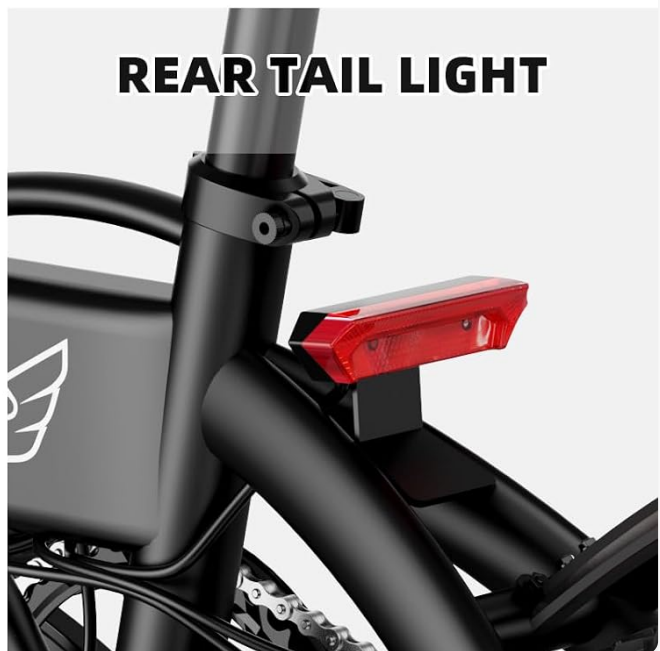
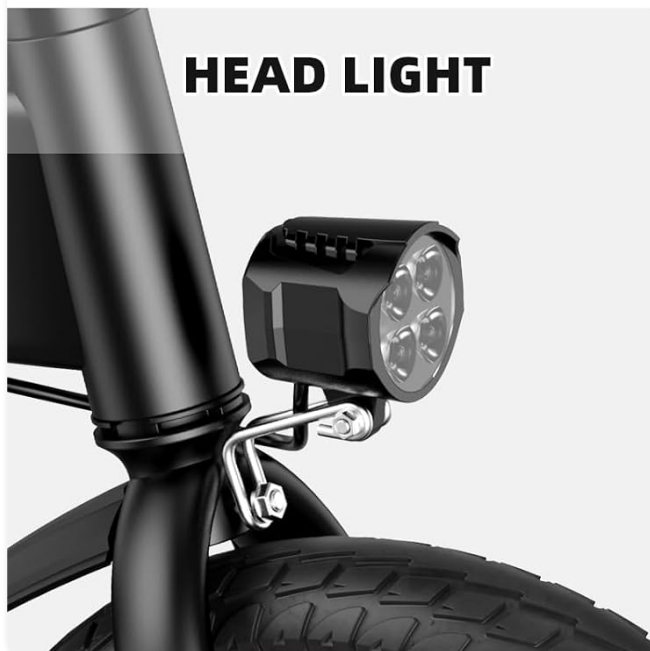
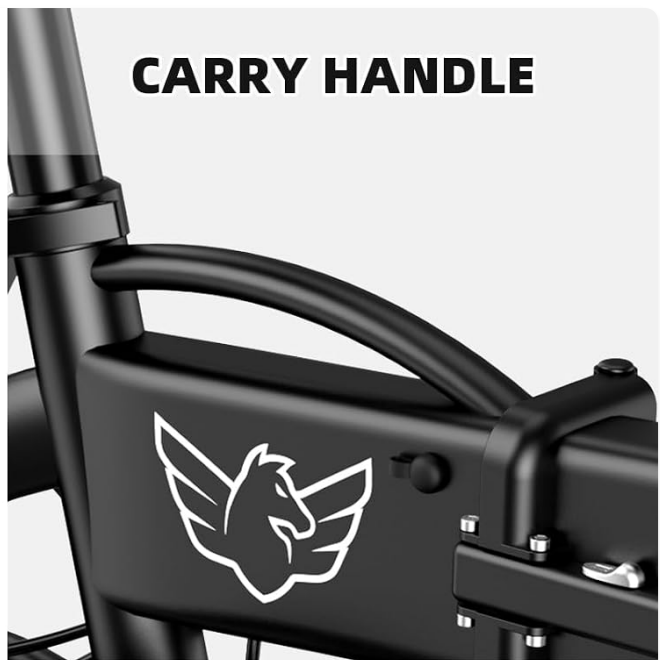


Figure 2.3: Close-up views of key components: the disc brake for reliable stopping power, the integrated carry handle for easy transport, the bright LED headlight for visibility, and the rear tail light for safety.

Key Components

- **Frame:** Durable Carbon Alloy, foldable design.
- **Motor:** 350W High Speed Geared Hub Motor (Peak 630W).
- **Battery:** 36V 8AH (288Wh) removable Lithium-Ion battery, UL certified.
- **Tires:** 14-inch anti-puncture tires.
- **Brakes:** Dual disc brakes for effective stopping.
- **Display:** Bright LED display for speed, battery level, and mode.
- **Lighting:** LED headlight and rear reflector.
- **Seat:** Adjustable comfort seat.

3. SETUP

Unboxing and Initial Assembly

Your WINDHORSE C19 Electric Bike comes mostly pre-assembled. Follow these steps to prepare it for its first ride:

1. Carefully remove the bike and all accessories from the packaging.
2. Unfold the bike according to the instructions in the manual. Ensure all locking mechanisms are securely engaged.
3. Attach the pedals (if not already attached). Note that pedals are often left/right specific.
4. Adjust the handlebar and seat post to a comfortable riding height. Ensure the quick-release levers are tightened securely.

PACKING LIST



Charger



Charger Cable



Tools



Manual

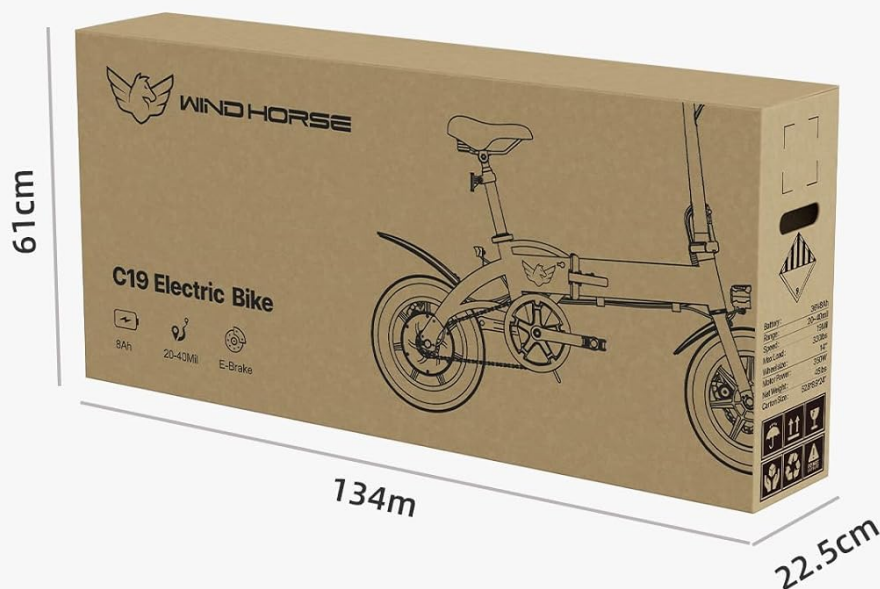


Figure 3.1: The packing list for the WINDHORSE C19 Electric Bike, showing the bike (folded), charger, charger cable, tools, and user manual.

Initial Battery Charging

Before your first ride, fully charge the battery. The battery can be charged on or off the bike.

1. Locate the charging port on the battery.

2. Connect the charger to the charging port, then plug the charger into a standard wall outlet.
3. The charger indicator light will show the charging status (typically red for charging, green for full).
4. Charging time is approximately 4-5 hours for a full charge. The charger automatically turns off once the battery is full.

4. OPERATING INSTRUCTIONS

Powering On/Off

To power on the bike, press and hold the power button on the display. To power off, press and hold the power button again.

Riding Modes

The WINDHORSE C19 offers two riding modes:

- **Pedal Assist (PAS) Mode:** The motor provides assistance as you pedal. This mode offers a range of up to 31 miles.
- **Pure Electric Mode (Throttle):** Use the throttle to engage the motor without pedaling. This mode offers a range of up to 19 miles.

350W BRUSHLESS HUB MOTOR



HIGH SPEED

With Gears Motor

15.5 MPH

Top Speed

25° SLOPE

Up Hill

Figure 4.1: Illustration of the 350W brushless hub motor, highlighting its high-speed capability and ability to handle slopes up to 25 degrees.

FULLY BUILT-IN LARGE BATTERY

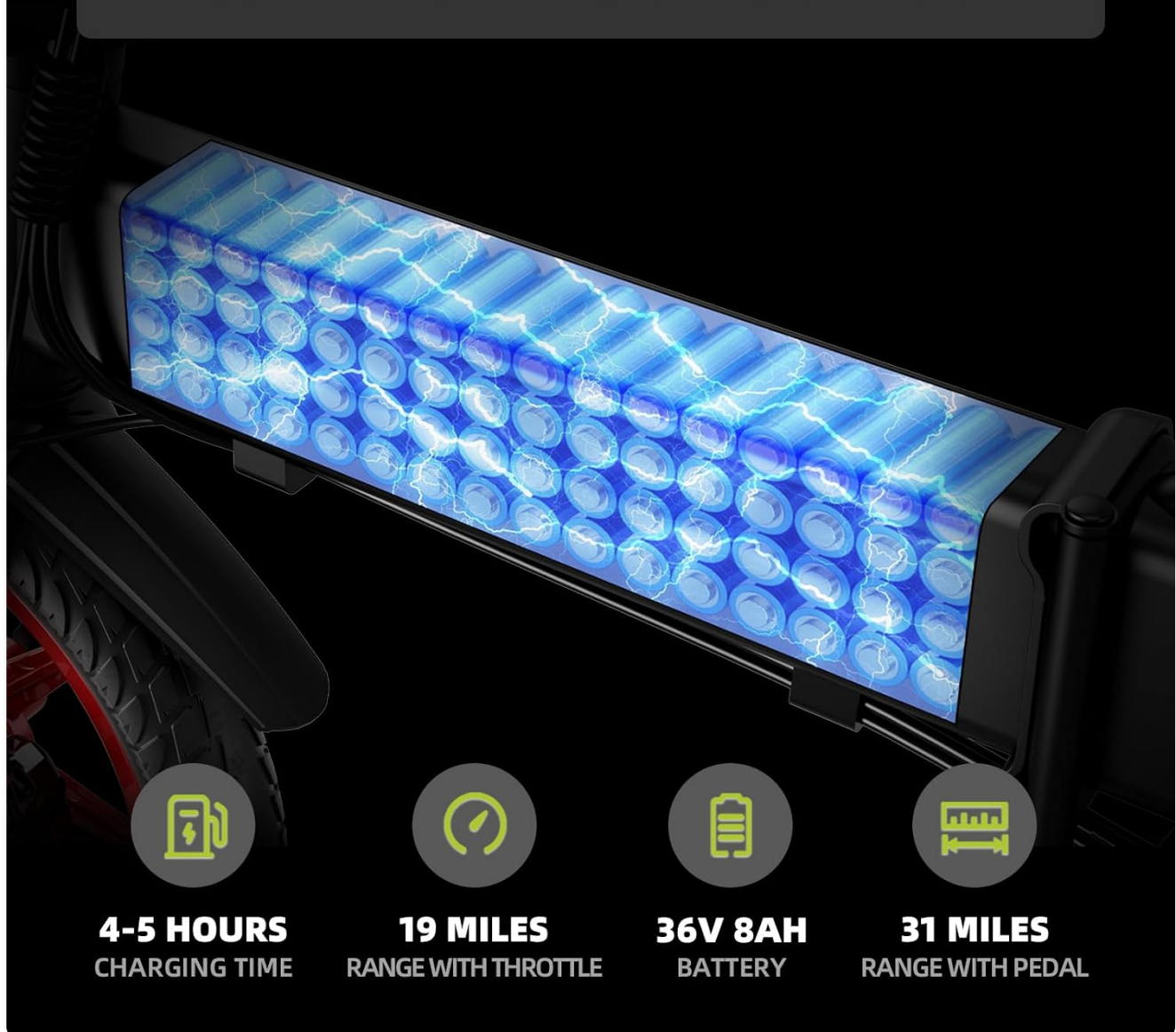


Figure 4.2: Diagram showing the fully built-in large battery, with icons indicating 4-5 hours charging time, 19 miles range with throttle, 36V 8AH battery capacity, and 31 miles range with pedal assist.

Folding and Unfolding

The C19 is designed for easy folding and portability. Refer to the specific folding instructions in your included manual for detailed steps. Ensure all folding mechanisms are securely locked before riding.

STRONG CLIMBING ABILITY



Figure 4.3: The WINDHORSE C19 Electric Bike in its folded state, easily fitting into a car trunk, demonstrating its portability.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your electric bike.

Cleaning

- Wipe down the bike with a damp cloth after each ride. Avoid using high-pressure water jets directly on electrical components.
- Clean the chain regularly and apply bicycle chain lubricant.

Battery Care

- Charge the battery regularly, even if the bike is not in use, to maintain battery health.
- Store the battery in a cool, dry place when not in use.
- Avoid fully discharging the battery frequently.

Tires and Brakes

- Check tire pressure before each ride. Maintain the recommended PSI for optimal performance and safety.
- Inspect brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. Adjust brake cables if there is excessive slack.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your WINDHORSE C19 Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery is not charged or not properly connected.	Ensure battery is fully charged and securely seated. Check all cable connections.
Motor not engaging	Power is off, brake levers are engaged, or a sensor issue.	Turn on power. Release brake levers. If issue persists, contact support.
Short riding range	Battery not fully charged, riding uphill frequently, or low tire pressure.	Fully charge battery. Maintain proper tire pressure. Use pedal assist more often.
Brakes feel weak	Worn brake pads or loose brake cables.	Inspect and replace brake pads if worn. Adjust brake cable tension.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact WINDHORSE customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	WINDHORSE
Model Number	C19
Frame Material	Carbon Alloy
Motor	350W High Speed Geared Hub Motor (Peak 630W)
Battery	36V 8AH (288Wh) Lithium-Ion, UL Certified
Charging Time	4-5 Hours
Top Speed	21 MPH (Adjustable from 15.5 MPH default)
Range (Pure Electric)	Up to 19 Miles
Range (Pedal Assist)	Up to 31 Miles
Bike Weight	45 lbs (20.41 kg)
Max Load Capacity	330 lbs
Tire Size	14 inches

Feature	Detail
Brake Type	Dual Disc Brake
Unfolded Dimensions (L x W x H)	51.9 x 25.5 x 39.4 inches (1320 x 648 x 1001 mm)
Folded Dimensions (L x H)	30 x 24 inches
Included Components	Electric Bike, Charger, Charger Cable, Manual, Tools, Kickstand, Reflectors, Bell

8. WARRANTY & SUPPORT

WINDHORSE provides a one-year warranty for your electric bike, covering manufacturing defects. Additionally, lifetime technical support is available to assist you with any questions or issues you may encounter. For warranty claims, technical assistance, or any other inquiries, please refer to the contact information provided in your product packaging or visit the official WINDHORSE website. Please have your model number (C19) and purchase details ready when contacting support.