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APYEAR B0FCFHW2X7

APYEAR 14-inch Folding Electric Bicycle User Manual

Model: B0FCFHW2X7 | Brand: APYEAR

Important Safety Instructions

Read all instructions carefully before operating the electric bicycle. Failure to follow safety guidelines may result in serious injury or damage to the product.

- Always wear a helmet and appropriate safety gear when riding.
- Ensure all components are securely fastened before each ride.
- Do not ride in adverse weather conditions or on slippery surfaces.
- Familiarize yourself with local traffic laws and regulations.
- Keep hands and feet clear of moving parts.
- Do not exceed the maximum load capacity of 264 lbs (120 kg).
- Charge the battery only with the provided charger.
- Store the bicycle and battery in a cool, dry place away from direct sunlight.

Product Overview

The APYEAR 14-inch Folding Electric Bicycle is designed for convenient urban commuting and leisure rides. Its foldable design allows for easy storage and transport.

Key Components

- **Frame:** Aluminum alloy, foldable design.
- **Motor:** 350W high-speed brushless motor.
- **Battery:** 432WH (48V 12AH) removable lithium-ion battery.
- **Wheels:** 14-inch pneumatic tires.
- **Brakes:** Front and rear disc brakes.
- **Suspension:** Front suspension.
- **Lighting:** Integrated front headlight and rear taillight.

- **Display:** LED display for speed, battery level, and mode.



Figure 1: The APYEAR 14-inch Folding Electric Bicycle, illustrating its full size when unfolded and its compact form when folded for easy transport and storage.

Setup

1. Unpacking

Carefully remove all components from the packaging. Retain packaging materials for future storage or transport. Inspect the bicycle for any visible damage during shipping.

2. Initial Assembly

1. **Handlebar Installation:** Unfold the handlebar stem and secure the locking mechanism. Adjust the handlebar height to a comfortable position and tighten the quick-release lever.
2. **Pedal Attachment:** Identify the left (L) and right (R) pedals. Screw the pedals into the corresponding crank arms. Note that the left pedal has a reverse thread. Tighten firmly with a wrench.
3. **Seat Post Adjustment:** Insert the seat post into the frame. Adjust the seat height to ensure your feet can comfortably touch the ground when stopped. Secure with the quick-release clamp.

3. Battery Installation and Initial Charge

The battery may come partially charged. For optimal performance and battery longevity, fully charge the battery before its first use.

1. **Install Battery:** Insert the 48V 12AH removable battery into its compartment on the bicycle frame. Ensure it clicks securely into place. Use the provided key to lock the battery, if applicable, for anti-theft protection.
2. **Connect Charger:** Plug the charger into a standard wall outlet, then connect the charging cable to the battery's charging port.
3. **Charging Indicator:** The charger's indicator light will typically show red during charging and turn green when fully charged.
4. **First Charge:** Allow 4-5 hours for the initial full charge.
5. **Safety Features:** The battery is equipped with short-circuit, over-voltage, and temperature protection, and features an anti-theft design with a key.



Figure 2: The 48V 12AH removable battery, emphasizing its safety features and charging requirements.

Operating Instructions

1. Powering On/Off

- **To Power On:** Press and hold the power button on the display panel for a few seconds until the screen illuminates.
- **To Power Off:** Press and hold the power button again until the display turns off.

2. Riding Modes

The APYEAR electric bicycle offers multiple riding modes:

- **Pedal Assist Mode:** Provides electric assistance as you pedal. Use the "+" and "-" buttons on the display to adjust the level of assistance (typically 1-3 levels).
- **Throttle Mode:** Allows you to ride without pedaling by twisting the throttle grip. This mode provides full electric power up to the maximum speed.
- **Normal Bicycle Mode:** Ride the bicycle without any electric assistance, similar to a traditional bicycle.

3. Folding/Unfolding Mechanism

The folding mechanism allows for compact storage and transport.

1. **Folding:**
    - Lower the seat post and handlebar stem to their lowest positions.
    - Open the main frame hinge latch and carefully fold the frame in half.
    - Fold the pedals inward if they are foldable.
2. **Unfolding:**
    - Reverse the folding steps. Ensure all latches and quick-releases are securely fastened before riding.

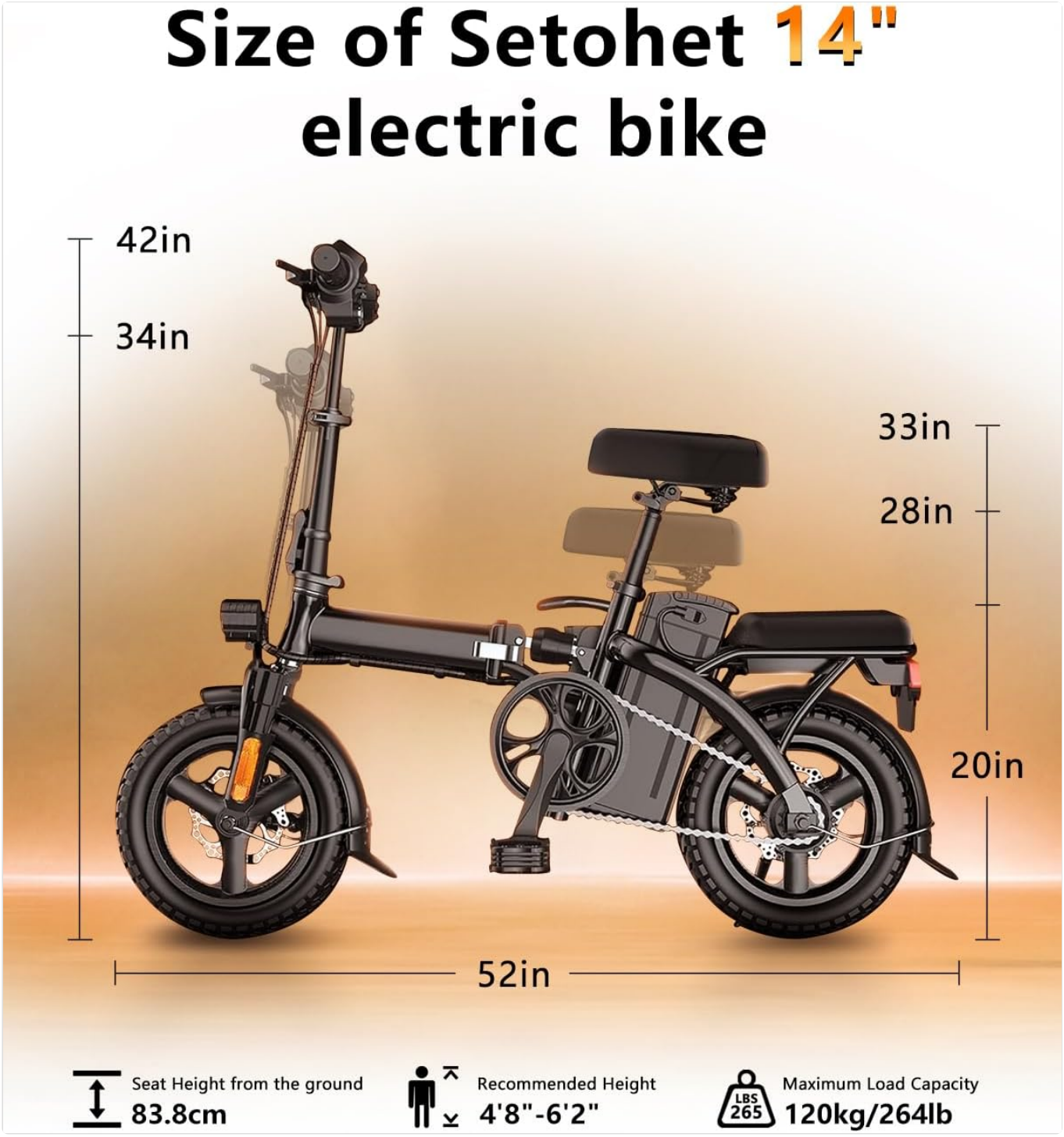


Figure 3: Dimensions of the electric bicycle, useful for understanding its size both unfolded and folded.

Maintenance

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

1. Regular Checks

- **Tires:** Check tire pressure before each ride. Maintain recommended PSI (usually found on the tire sidewall). Inspect for punctures or excessive wear.
- **Brakes:** Test brake levers for proper function and responsiveness. Ensure brake pads are not excessively worn. Adjust brake cables if necessary.
- **Chain:** Keep the chain clean and lubricated. Inspect for rust or damage.
- **Fasteners:** Periodically check all bolts, nuts, and quick-release levers to ensure they are tight and secure.

2. Battery Care

- Avoid completely draining the battery. Recharge after each significant use.
- If storing the bicycle for an extended period, charge the battery to 50-70% and recharge every 1-2 months.
- Do not expose the battery to extreme temperatures (hot or cold).

3. Cleaning

Clean the bicycle with a damp cloth and mild detergent. Avoid using high-pressure washers directly on electrical components. Dry thoroughly after cleaning.

Troubleshooting

Problem	Possible Cause	Solution
Bicycle does not power on.	Battery is dead or not properly installed.	Charge the battery. Ensure the battery is fully inserted and locked.
Motor not assisting.	Battery low, pedal assist level too low, or brake levers engaged.	Check battery level. Increase pedal assist level. Ensure brake levers are fully released.
Brakes feel weak.	Worn brake pads or loose brake cable.	Inspect and replace brake pads if necessary. Adjust brake cable tension.
Unusual noises from wheels.	Loose spokes, debris in brakes, or misaligned wheel.	Inspect wheels for loose spokes. Clean brake area. Consult a professional if noise persists.

Specifications

Feature	Detail
Bike Type	Electric Bike
Brand	APYEAR
Model	B0FCFHW2X7
Motor Power	350W
Battery Capacity	48V 12AH (432WH)
Max Speed	20 MPH
Range	20+ Miles (20-30 Miles)
Wheel Size	14 Inches
Frame Material	Aluminum
Suspension Type	Front

Feature	Detail
Number of Speeds	3 (Pedal Assist Levels)
Color	BLACK
Special Feature	Foldable
Max Load Capacity	264 lbs (120 kg)
Recommended Height	4'8"-6'2"
UL Certification	UL 2849 (for battery)

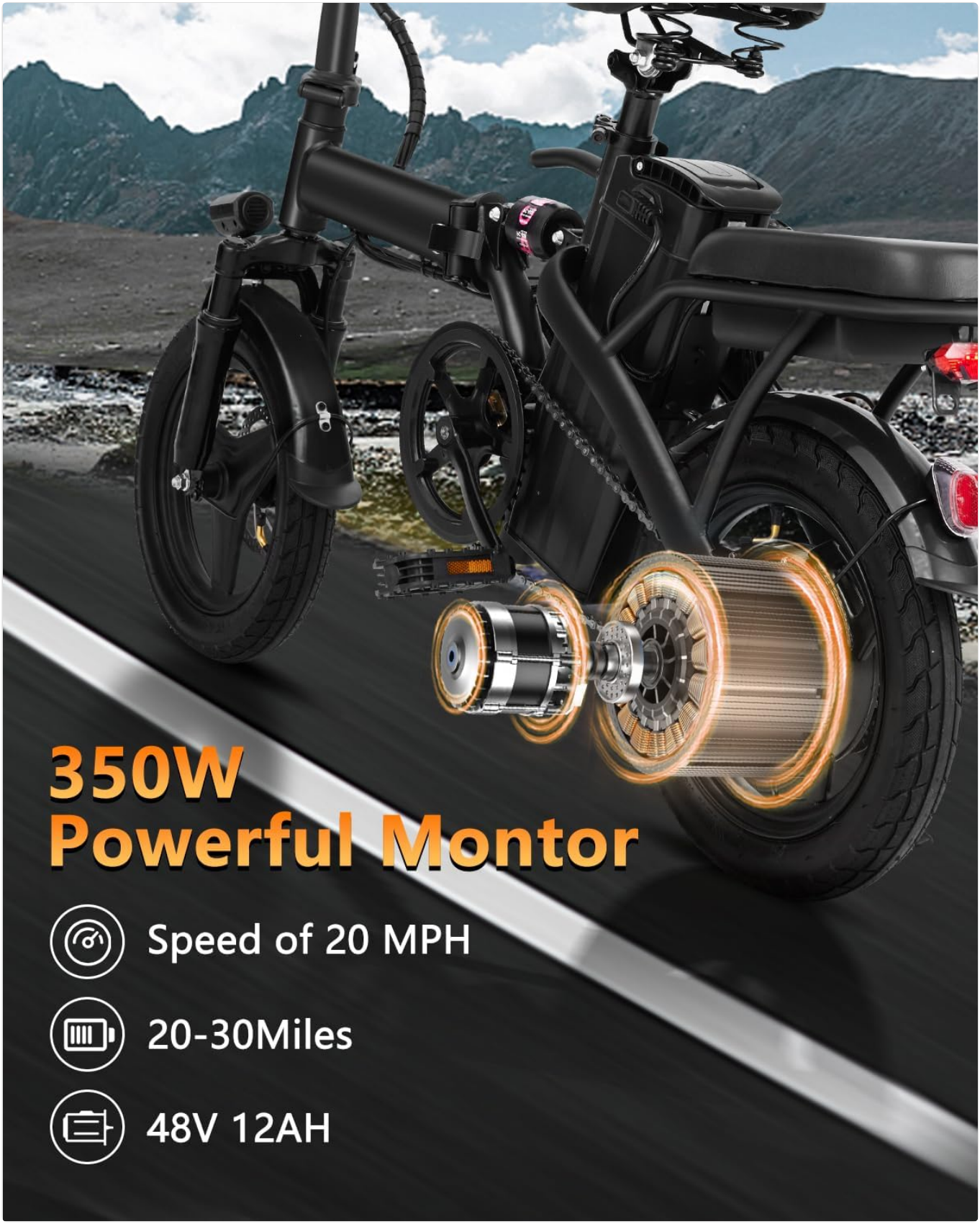


Figure 4: Details of the 350W motor and its performance capabilities.

Warranty and Support

APYEAR provides a limited warranty for this electric bicycle. Please refer to the warranty card included with your purchase for specific terms and conditions. For technical support, replacement parts, or warranty claims, please contact APYEAR customer service through the official channels provided at the time of purchase or visit the APYEAR Store on Amazon.

When contacting support, please have your model number (B0FCFHW2X7) and purchase date ready.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

I had a flat rear tire on my APYEAR 14-inch Folding Electric Bicycle. How can I ensure I have all the washers, the kickstand, and the back assembly installed correctly, and where can I get replacement parts?

The manual for the APYEAR 14-inch Folding Electric Bicycle (Model B0FCFHW2X7) does not provide a detailed exploded-view diagram of the rear axle assembly. However, for most e-bikes with a 350W rear hub motor, the...

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