DEEPOWER G23

DEEPOWER G23 Electric Bicycle User Manual

Model: G23

Important Safety Instructions

Before operating your DEEPOWER G23 electric bicycle, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or damage to the product.

- Always wear a helmet and appropriate safety gear when riding.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Familiarize yourself with local laws and regulations regarding electric bicycles.
- Do not ride in extreme weather conditions, such as heavy rain, snow, or strong winds.
- This electric bicycle is designed for adults. Do not allow children to operate it.
- Avoid riding under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.

Package Contents

Verify that all items are present in the package:

- DEEPOWER G23 Electric Bicycle
- 48V 12.8Ah Removable Lithium Battery
- Battery Charger
- User Manual
- Assembly Tools
- Front Light (pre-installed or separate)
- Rear Luggage Rack (pre-installed or separate)

Assembly Guide

The DEEPOWER G23 electric bicycle is 85% pre-assembled. Follow these steps for final assembly using the provided tools.

Step 1: Unpacking

Carefully remove the bicycle and all components from the packaging. Retain the packaging temporarily for potential returns or future storage.

Step 2: Handlebar Installation

Attach the handlebar to the stem, ensuring it is centered and tightened securely. Adjust the height to your preference.

Step 3: Pedal Installation

Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms by hand, then tighten firmly with a wrench. Note that the left pedal has a reverse thread.

Step 4: Seat Post Adjustment

Insert the seat post into the frame and adjust the seat height for comfortable riding. Ensure the quick-release lever is securely fastened.

Step 5: Battery Installation

If the battery is not pre-installed, slide it into its designated compartment on the frame and lock it into place with the key.

Step 6: Pre-Ride Checks

Before your first ride, double-check all bolts and quick releases for tightness. Ensure tires are inflated to the recommended pressure and brakes are functioning correctly.



Image: The DEEPOWER G23 Electric Bicycle, showcasing its overall design and components after assembly.

Components Overview

Motor

The G23 is equipped with a high-efficiency 250W brushless rear motor, providing quiet and stable operation. It delivers up to 50 N·m of torque, allowing for easy navigation across various road conditions and reaching a maximum speed of 25 km/h.



Image: Detailed view of the 250W brushless motor, highlighting its internal components and power specifications.

Battery

The bicycle features a removable 48V 12.8Ah lithium battery. It requires approximately 4-5 hours for a full charge, offering a range of 30 km in pure electric mode and 45 km in pedal-assist mode.



Image: Close-up of the 48V 12.8Ah removable lithium battery, showing its placement within the bicycle frame.

Tires

Equipped with 20" x 4 fat tires, designed to conquer various terrains. Their flexible structure absorbs bumps, providing a smooth ride on sand, mountain trails, snowy landscapes, or urban roads. They offer powerful traction and stable support.

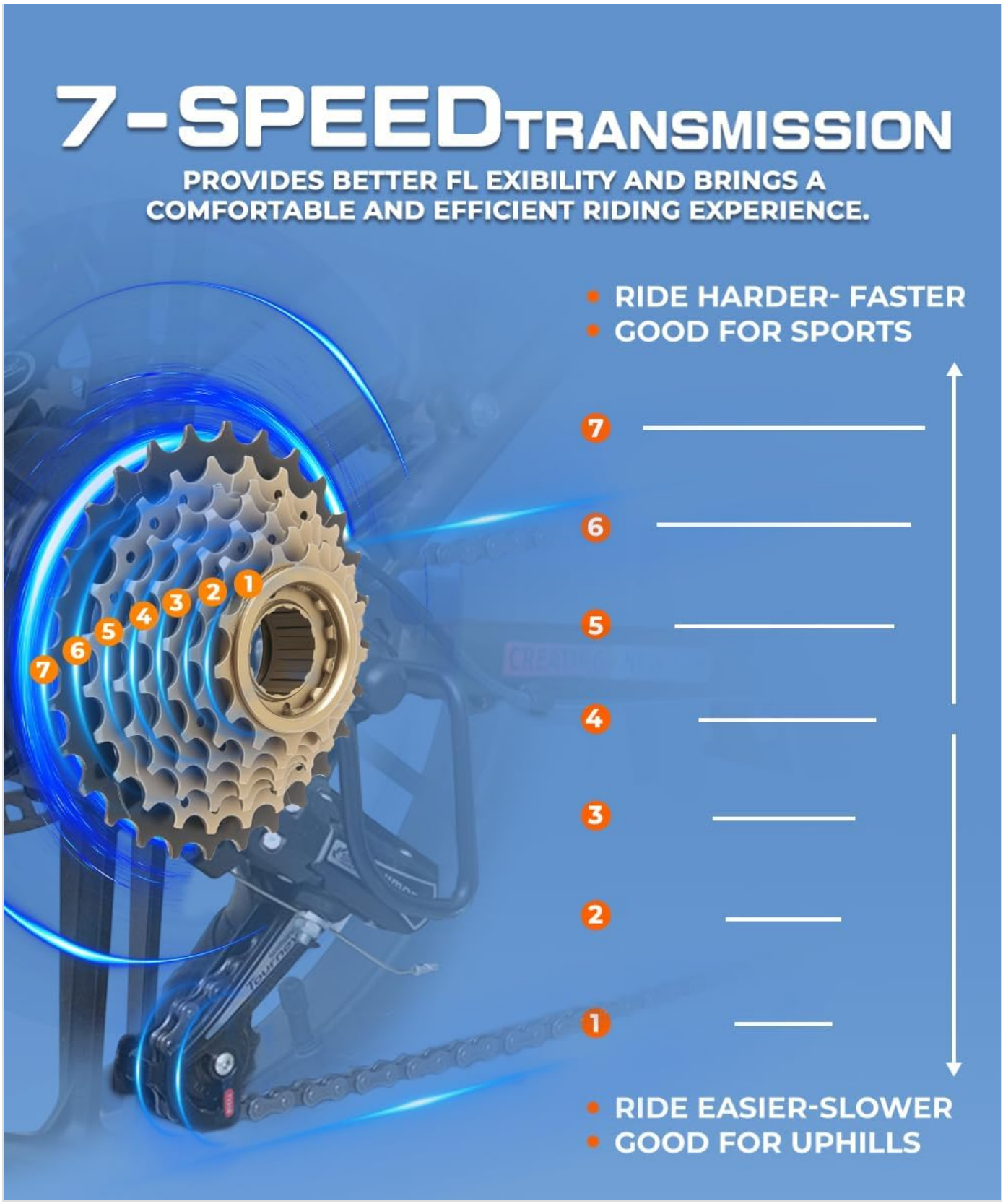


Image: Illustration of the 20x4 fat tires, emphasizing their puncture-proof design and suitability for various terrains.

Brakes

The DEEPOWER G23 features a dual front and rear disc brake system. This system provides sensitive and stable braking, ensuring quick response and protection in all road conditions, whether wet or dry.

Suspension

An adjustable suspension fork is integrated to handle complex terrains with ease. It minimizes vibrations and shocks, offering a smooth and comfortable riding experience.

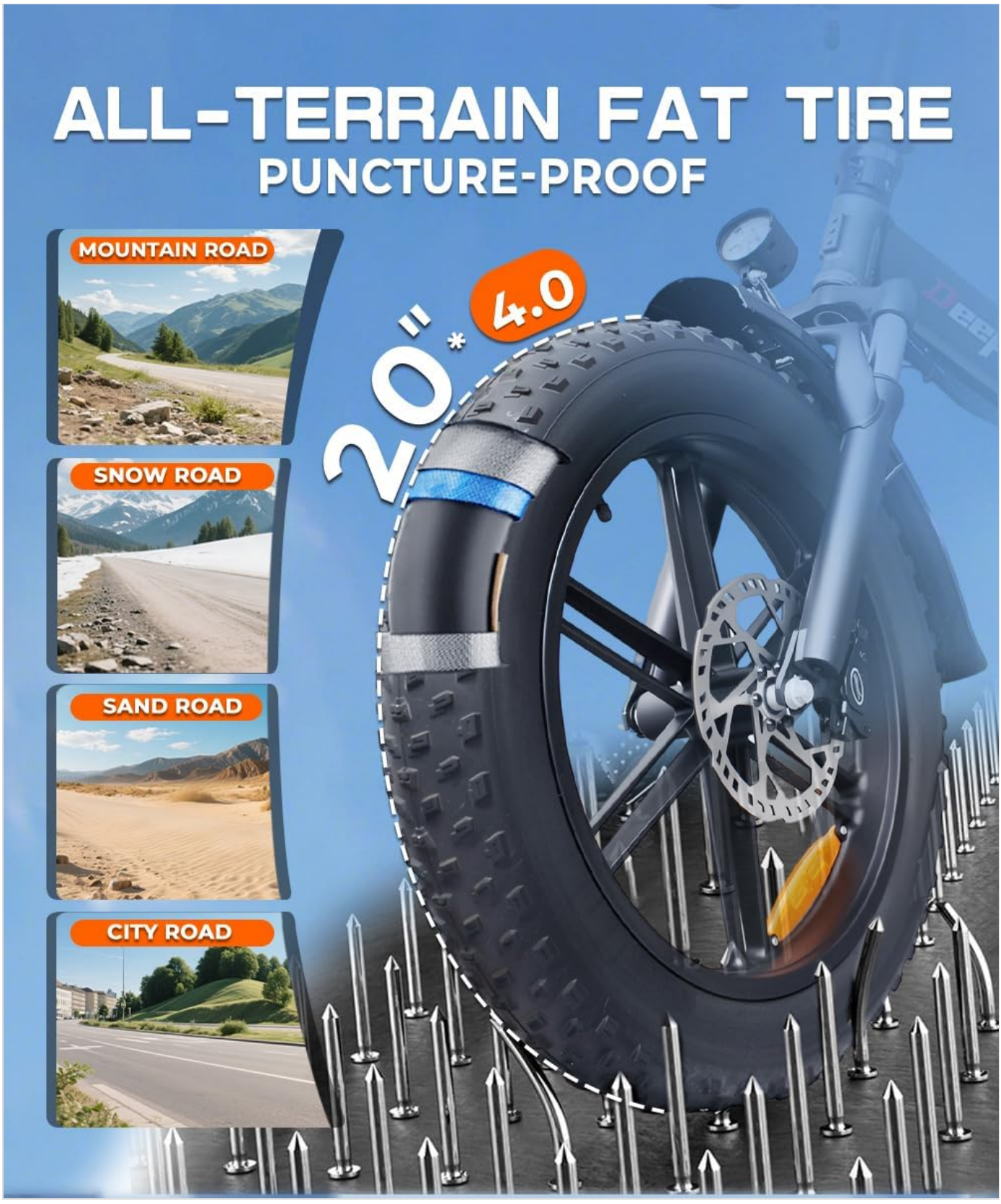


Image: Close-up of the full suspension system, illustrating the shock-absorbing springs for a smoother ride.

7-Speed Transmission

The bicycle is equipped with a 7-speed gear system, allowing riders to customize their experience for different inclines and speeds. Higher gears are suitable for faster riding, while lower gears assist with uphill climbs.



Image: Diagram illustrating the 7-speed transmission, showing gear progression for easier or faster riding.

LCD Display

An intuitive circular LCD display provides real-time information including speed, battery level, mileage, light indicators, and fault information. This ensures you are always informed about your ride status.



Image: View of the LED smart display on the handlebar, showing various indicators like speed, battery, and gear.

Lights

Integrated LED front and rear lights enhance safety during night riding or in low-light conditions, ensuring visibility for both the rider and others.

Adjustable Handlebar and Seat

Both the handlebar and the seat are height-adjustable, allowing the bicycle to accommodate a wide range of riders (user height range: 158-190 cm / 5.2-6.2 feet) for optimal comfort.



Image: Diagram illustrating the key dimensions of the G23 e-bike, including handlebar height, seat height range, and overall length.

Smart Add-ons

The G23 includes a sturdy rear luggage rack for transporting items or a passenger, an ergonomic leather seat for enhanced comfort, and a mobile phone holder with USB charging capability.



Image: Visual representation of the smart add-ons, including a mobile phone holder with USB charging, an ergonomic leather seat, a sturdy rear luggage rack, and bright headlights and taillights.

Operating Your DEEPOWER G23

Powering On/Off

- To power on: Press and hold the power button on the LCD display for a few seconds.
- To power off: Press and hold the power button again until the display turns off.

Riding Modes

The DEEPOWER G23 offers three distinct riding modes:

- **Pure Electric Mode:** The motor provides full power without pedal assistance. Use the throttle to control speed.
- **Pedal-Assist Mode:** The motor provides assistance as you pedal. The level of assistance can be adjusted via the display.
- **Manual Mode (Unassisted):** Ride the bicycle like a traditional bike, using only pedal power. The motor is disengaged.

Using the LCD Display

The LCD display provides essential information and allows you to control various functions:

- **Speed:** Shows current riding speed.
- **Battery Level:** Indicates remaining battery charge.
- **Mileage:** Displays trip distance or total odometer reading.
- **Assist Level:** Adjust the level of pedal assistance (usually 1-5 gears).
- **Lights:** Turn the LED front and rear lights on or off.

Shifting Gears

Use the gear shifter on the handlebar to change between the 7 available speeds. Shift to lower gears for easier pedaling on inclines and higher gears for faster speeds on flat terrain.

Charging the Battery

To charge the battery:

1. Ensure the bicycle is powered off.
2. Locate the charging port on the battery or frame.
3. Connect the charger to the charging port, then plug the charger into a standard power outlet.
4. The charger indicator light will show charging status (e.g., red for charging, green for fully charged).
5. Once fully charged, disconnect the charger from the outlet and then from the bicycle.

Maintenance Guide

Regular maintenance ensures the longevity and safe operation of your DEEPOWER G23 electric bicycle.

- **Tire Pressure:** Check tire pressure regularly and inflate to the recommended PSI (usually found on the tire sidewall).
- **Brake Inspection:** Periodically check brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Battery Care:** Store the battery in a cool, dry place. Avoid fully discharging the battery frequently. Charge it regularly, even if not in use, to maintain its health.
- **Cleaning:** Clean the bicycle with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- **Fastener Checks:** Regularly inspect all bolts, nuts, and quick releases to ensure they are securely tightened.

Troubleshooting Common Issues

This section addresses common problems you might encounter with your DEEPOWER G23 electric bicycle.

Problem	Possible Cause	Solution
Bicycle does not power on	Battery not charged or not properly installed; loose electrical connection.	Charge the battery fully. Ensure the battery is securely seated and locked. Check all visible cable connections.
Motor not assisting	Battery low; assist level set to zero; brake lever engaged; sensor issue.	Check battery level and charge if necessary. Increase assist level on the display. Ensure brake levers are fully released. Contact support if issue persists.
Brakes feel weak	Worn brake pads; loose brake cable; air in hydraulic system (if applicable).	Inspect and replace worn brake pads. Adjust brake cable tension. For hydraulic brakes, professional service may be required.
Unusual noises during riding	Loose components; dry chain; rubbing brakes.	Check all fasteners for tightness. Lubricate the chain. Inspect brake calipers for rubbing and adjust if necessary.

Technical Specifications

Feature	Value
Model Number	G23
Motor Power	250W Brushless Rear Motor
Torque	Up to 50 N·m
Max Speed	25 km/h
Battery	48V 12.8Ah Removable Lithium Battery
Charging Time	4-5 hours
Range (Pure Electric)	30 km
Range (Pedal-Assist)	45 km
Tire Size	20" x 4 Fat Tires
Brake Type	Dual Front and Rear Disc Brakes
Suspension Type	Front Suspension Fork (Adjustable)
Gears	7-Speed System
Display	Circular LCD Display

Feature	Value
Lights	Integrated LED Front and Rear Lights
Material	Aluminum Frame
Bicycle Dimensions	170 x 61.5 x 136 cm
Max Handlebar Height	130 cm
Seat Height Range	84-108 cm
Maximum Load	150 kg (330 lbs)
Bicycle Weight	21.32 kg (47 lbs)
User Height Range	158-190 cm (5.2-6.2 feet)

Warranty and Customer Support

DEEPOWER offers a comprehensive warranty for your G23 electric bicycle:

- **Main Components:** A 1-year warranty is provided for key components including the battery, motor, controller, and display.
- **Other Parts:** All other parts of the bicycle are covered by a 6-month warranty.

For warranty claims, technical assistance, or any questions regarding your DEEPOWER G23 electric bicycle, please contact our customer support team. Please have your purchase receipt and model number ready when contacting support.

Contact Information: [Please refer to your purchase documentation or the DEEPOWER official website for specific contact details.]

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

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