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› [DEEPOWER](#) /

› [DEEPOWER S20-20AH Electric Bike Instruction Manual](#)

DEEPOWER S20

DEEPOWER S20-20AH Electric Bike Instruction Manual

Model: S20-20AH

1. IMPORTANT SAFETY INFORMATION

Before operating your DEEPOWER S20-20AH Electric Bike, please read this manual thoroughly. Failure to follow safety instructions may result in serious injury or property damage. Always wear a helmet and appropriate safety gear when riding.

1.1 General Safety Guidelines

- Perform a pre-ride inspection: Check tire pressure, brake function, battery charge, and ensure all fasteners are tight.
- Obey all local traffic laws and regulations.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions, such as heavy rain, snow, or ice.
- Do not exceed the maximum load capacity of 330 lbs (150 kg).

1.2 Lighting System

The S20-20AH is equipped with a full integrated lighting system for enhanced visibility and safety, especially during low-light conditions. This includes a powerful LED headlight, a bright rear taillight, and turn signals.

Safe Protection Worry Free Riding



Headlight



Warning Light



Turn signal*2



Image: The integrated lighting system, including the front headlight, rear taillight, and turn signals, ensures visibility.

1.3 Braking System

The bike features a linear pull braking system. Regularly inspect brake pads and cables for wear and proper function. Ensure brakes are responsive before each ride.

Dedicated To Your Safety



Precise distance control



High temperature and impact resistant



Dual-system braking



Image: The front suspension and disc brake system of the DEEPOWER S20-20AH Electric Bike.

1.4 Battery Safety

Always use the original charger provided with your DEEPOWER S20-20AH Electric Bike. Do not use unauthorized chargers, as this can damage the battery and pose a fire risk. Avoid exposing the battery to extreme temperatures or direct sunlight for

prolonged periods.

2. PACKAGE CONTENTS

Your DEEPOWER S20-20AH Electric Bike package includes the following components:

- DEEPOWER S20-20AH Electric Bike (partially assembled)
- 48V 20AH Removable Battery
- Battery Charger
- Pedals (Left and Right)
- Headlight and Turn Signals (if not pre-installed)
- Front Fender
- Assembly Tools (wrenches, hex keys)
- User Manual (this document)

3. SETUP AND ASSEMBLY

Your DEEPOWER S20-20AH Electric Bike arrives approximately 90% assembled. Follow these steps to complete the assembly. For a visual guide, please refer to the official installation video below.

3.1 Assembly Steps

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Remove all protective wrapping and zip ties.
2. **Handlebar Installation:** Attach the handlebars to the stem using the provided hex keys. Ensure they are centered and tightened securely.
3. **Front Wheel Installation:** Insert the front wheel into the fork dropouts. Align the disc brake rotor with the caliper. Secure the wheel with the axle nuts using the appropriate wrench.
4. **Headlight and Turn Signal Attachment:** Mount the headlight and turn signals to the designated brackets on the front fork. Connect the wiring harnesses.
5. **Pedal Installation:** Identify the Left (L) and Right (R) pedals. The left pedal screws counter-clockwise, and the right pedal screws clockwise. Thread them into the crank arms and tighten with a wrench.
6. **Front Fender Installation:** Attach the front fender to the fork using the provided screws and brackets.
7. **Battery Insertion:** Ensure the battery is fully charged before first use. Insert the battery into its compartment and lock it securely with the key.

3.2 Installation Video Guide

Watch this official video for a detailed walkthrough of the assembly process.

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Video: Official DEEPOWER S20 Electric Bike Installation Guide. This video demonstrates the step-by-step assembly of the S20 model, including attaching handlebars, front wheel, pedals, and connecting electrical components.

4. OPERATING YOUR DEEPOWER S20

Familiarize yourself with the controls and features of your electric bike for an optimal riding experience.

4.1 Powering On/Off and Display

To power on the bike, insert the key into the battery lock and turn it to the 'ON' position, then press and hold the power button on the handlebar display. The intelligent LCD display will show your current speed, battery level, and mileage. To power off, reverse

the process.

LCD High-Definition Display

The intelligent display shows your speed, battery level, mileage, and other data, keeping you prepared for all road conditions.



Speed



Mileage



Battery Level

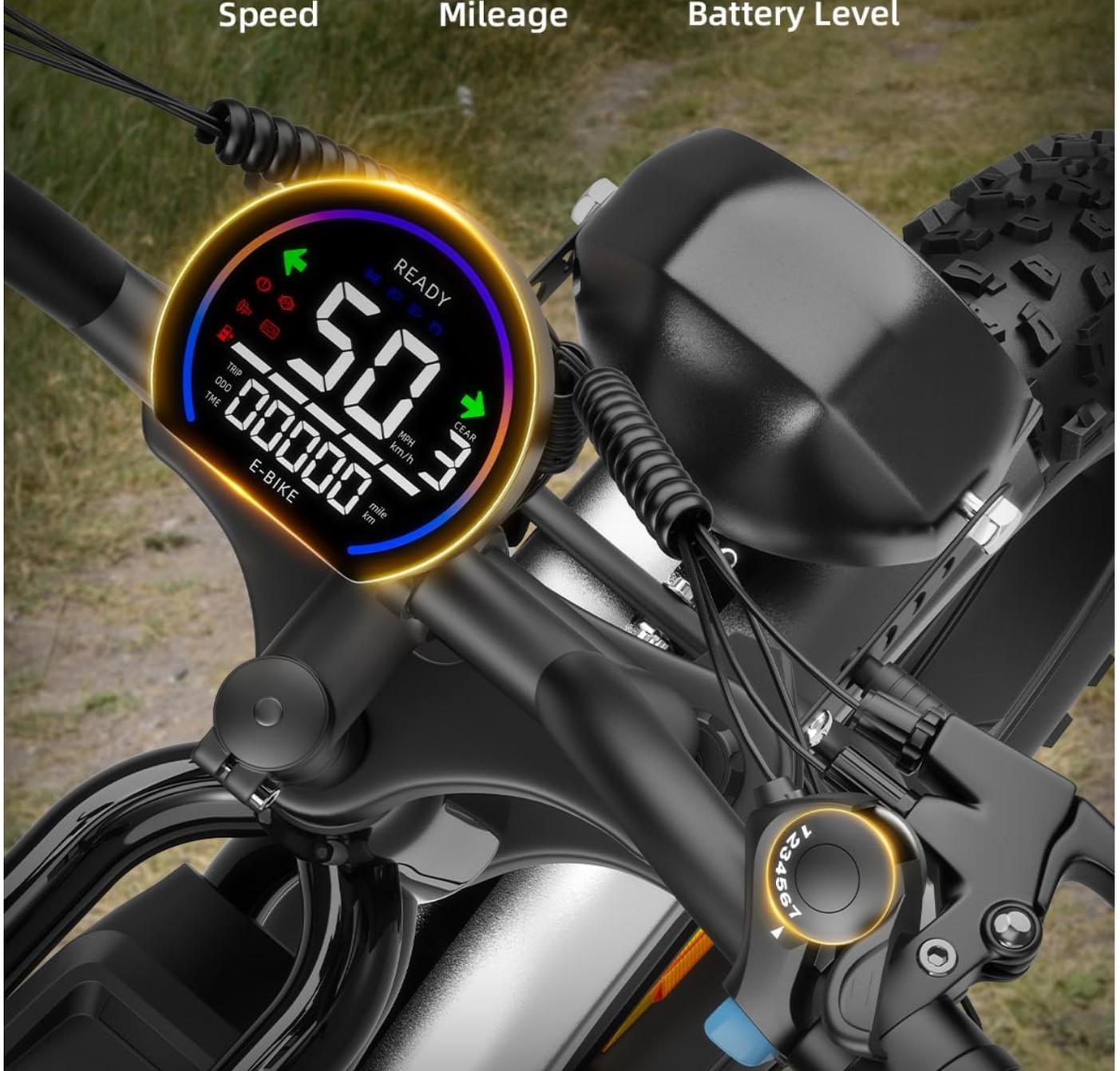


Image: The LCD high-definition display provides real-time information on speed, battery level, and mileage.

4.2 Motor and Speed

The S20-20AH is equipped with a powerful 1500W peak motor, allowing for speeds up to 32 mph in pure electric mode. This

motor provides strong torque for climbing inclines up to 30 degrees.

1500W Peak Power Motor

1500W

32MPH
Max speed

48V
Output Voltage

99N.M
Max Torque

Image: The 1500W peak power motor provides strong performance and high speeds.

4.3 Battery and Charging

The bike is powered by a 48V 20AH removable lithium-ion battery. It has an IPX4 waterproof rating, making it suitable for riding in light rain. A full charge takes approximately 5-6 hours using the original charger.

48V25AH Large Capacity

IPX 4
Level Waterproof

REMOVABLE
lithium-ion battery

60-120 MILES
Max Range

5-6 H
Charging time

Image: The 48V 20AH removable battery provides power for extended rides.

4.4 Riding Modes and Gears

The S20-20AH offers multiple riding modes: pure electric (throttle assist), pedal assist, and manual pedal mode. It features a 7-speed gear system for adapting to various terrains and riding preferences.

4.5 Suspension and Tires

Experience a smooth ride with the dual-suspension system, featuring a robust front shock and rear hydraulic shocks. The 20-inch puncture-resistant fat tires provide excellent grip and stability across diverse terrains, including snow, city roads, sand, and stone paths.

20*4.0" Fat Tires for All-Terrain` Riding



Snow
Road



City
Road



Sand
Road



Stone
Road



Image: The 20x4.0 inch fat tires are designed for all-terrain riding, providing stability on diverse surfaces.

4.6 Product Overview Video

View this video for a general overview of the DEEPOWER QS7 Ebike, which shares many features with the S20 model.

Your browser does not support the video tag.

Video: DEEPOWER QS7 Ebike overview. This video showcases the general design and features of a DEEPOWER ebike, including its motor, battery, and riding capabilities.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your DEEPOWER S20-20AH Electric Bike.

5.1 Cleaning

- Wipe the bike frame with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- Clean the chain regularly and apply appropriate chain lubricant.

5.2 Tire Care

- Check tire pressure before each ride. Maintain pressure within the recommended range indicated on the tire sidewall.
- Inspect tires for wear, cuts, or punctures.

5.3 Brake System

- Regularly inspect brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. Adjust cable tension if needed.

5.4 Battery Maintenance

- Charge the battery fully after each ride, especially if it will be stored for an extended period.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your DEEPOWER S20-20AH Electric Bike.

6.1 No Power

- Check if the battery is properly inserted and locked.
- Ensure the battery is charged.
- Verify all electrical connections are secure.

6.2 Motor Not Engaging

- Confirm the bike is powered on and the battery has sufficient charge.
- Check the display for any error codes.
- Ensure the throttle is engaged or pedal assist level is selected.

6.3 Brakes Not Responsive

- Inspect brake pads for wear.
- Check brake cable tension and adjust if loose.

If you encounter issues not covered here or require further assistance, please contact DEEPOWER customer support.

7. SPECIFICATIONS

Below are the technical specifications for the DEEPOWER S20-20AH Electric Bike:

Feature	Specification
Bike Type	Electric Bike
Age Range	Adult
Brand	DEEPOWER
Motor	1500W Peak
Max Speed	Up to 32 MPH
Battery	48V 20AH Removable Lithium-ion
Charging Time	5-6 hours
Waterproof Rating	IPX4
Number of Speeds	7
Wheel Size	20 Inches
Frame Material	Carbon Steel
Suspension Type	Dual (Front Shock, Rear Hydraulic Shocks)
Special Feature	LCD-Display
Brake Style	Linear Pull
Specific Uses	All-terrain
Electric Assist Type	Throttle assist, Pedal assist
Bicycle Weight	84 lbs
Load Capacity	330 lbs
Recommended Height	5'3" - 6'4"

7.1 Dimensions

Customize Your Ride



5'3"-6'4"

Recommended height



84 LBS

Bicycle weight



330 LBS

Load capacity



Image: Detailed dimensions of the DEEPOWER S20-20AH Electric Bike.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The DEEPOWER S20-20AH Electric Bike comes with a **1-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, technical support, or warranty inquiries, please contact our customer service team:

- **Email:** Deepowery@outlook.com

You can also access the full S20 user manual in PDF format:

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