

YOSE POWER AXleftj

# YOSE POWER E-Bike Conversion Kit

## USER INSTRUCTION MANUAL

Brand: YOSE POWER | Model: AXleftj

### 1. INTRODUCTION

The YOSE POWER 36V250W 28" Front Hub Motor Electric Bicycle Conversion Kit is designed to transform a standard bicycle into an electric bicycle. This kit features a brushless geared motor known for its low noise, performance, and durability, enabling easier navigation through challenging terrains. It is suitable for daily commuting, touring, and mountain biking, offering a safe and enjoyable riding experience with pedal assistance.



Image: An electric bicycle equipped with the YOSE POWER conversion kit, highlighting the front hub motor and the battery mounted on the frame. This illustrates the final appearance of a converted bike.

### 2. SAFETY GUIDELINES

Always prioritize safety when installing and operating your e-bike conversion kit. Adhere to local regulations

regarding e-bike usage and speed limits. The brake levers included with the kit are designed to immediately cut power to the motor upon braking, enhancing safety. Ensure all connections are secure and waterproof before riding.

### Important Compatibility Notes:

- This conversion kit is not suitable for bicycles with "HOLLOWTECH II" bottom brackets or hydraulic brakes.
- The PAS sensor cannot be used with hydraulic brakes. A specific hydraulic brake sensor can be purchased separately if needed.
- The kit is compatible with 36V batteries available from YOSEPOWER.



Image: A diagram illustrating precautions regarding brake types (not compatible with roller brakes) and the PAS sensor installation, emphasizing the required distance between the left crank and middle axle cap.

### 3. PACKAGE CONTENTS

Your YOSE POWER E-Bike Conversion Kit includes the following components:

- Front Hub Motor with 28" Wheel
- Waterproof 1T5 Cable
- Front Light
- Thumb Throttle
- LCD Display
- Brake Levers (with power cut-off function)
- Battery Cable (Note: Battery is not included and must be purchased separately)
- PAS Sensor (Pedal Assist Sensor)
- Controller
- Tool Kit
- Bilingual Manual (German and English)



Image: An overhead view of all components included in the YOSE POWER E-Bike conversion kit, such as the front wheel with hub motor, LCD display, front light, brake levers, thumb throttle, and tools.



## Accessories installation Example

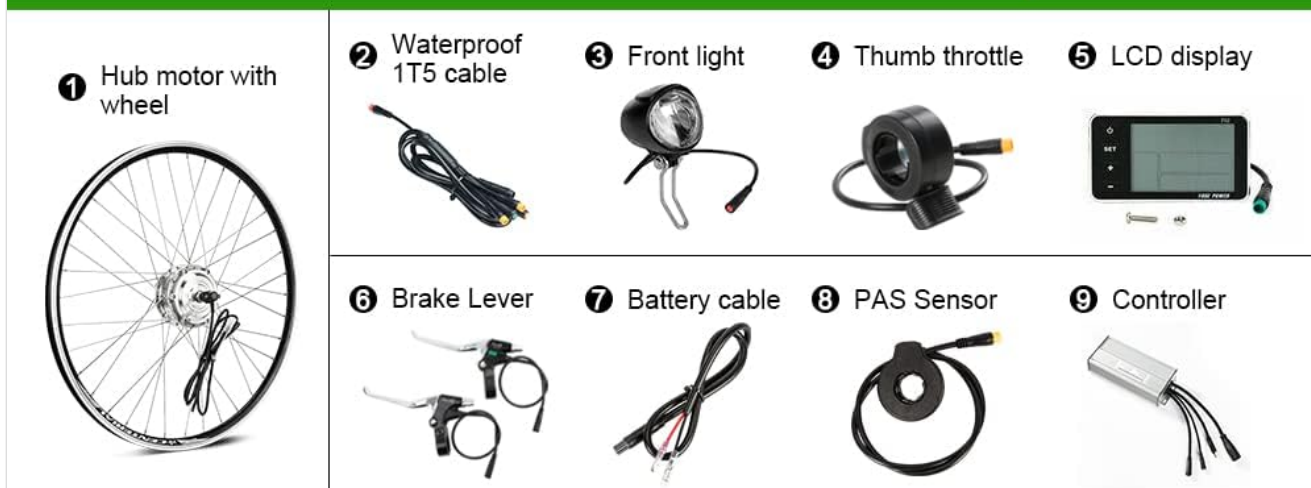


Image: A diagram showing an example installation of the accessories on a bicycle, with each component numbered for easy identification: 1. Hub motor with wheel, 2. Waterproof 1T5 cable, 3. Front light, 4. Thumb throttle, 5. LCD display, 6. Brake lever, 7. Battery cable, 8. PAS sensor, 9. Controller.

## 4. INSTALLATION GUIDE

The YOSE POWER conversion kit is designed for straightforward installation, often achievable within an hour. A detailed installation video and a bilingual manual (German-English) are provided to assist you through the process. Ensure your bicycle is compatible with the kit's specifications before beginning.

### Key Installation Steps:

- 1. Front Wheel Installation:** Replace your bicycle's front wheel with the provided hub motor wheel. Ensure the motor axle is securely seated in the fork dropouts.
- 2. PAS Sensor Installation:** Install the split magnetic disc of the PAS sensor onto the bottom bracket without tools. Ensure sufficient clearance (more than 4mm) between the left crank and the middle axle cap.
- 3. Component Mounting:** Mount the LCD display, brake levers, front light, and thumb throttle onto the handlebars.



4. **Wiring Connections:** Connect all components to the controller using the provided waterproof Julei connectors. These connectors are designed for easy and secure attachment.
5. **Battery Connection:** Connect the battery cable to your 36V YOSEPOWER battery and the controller.
6. **Cable Management:** Route all cables neatly along the bicycle frame. Consider using re-releasable cable ties for the motor cable to facilitate future tire changes.

## KIT CONNECTION DIAGRAM

- This kit does not including battery



Image: A clear wiring diagram illustrating how to connect the various components of the YOSE POWER E-Bike conversion kit, including the hub motor, battery, controller, LCD display, brake levers, front light, and PAS sensor.



## JULEI WATERPROOF CONNECTORS



PAS Sensor



Waterproof  
1T5 cable



Hub motor  
with wheel



Bike battery

Image: A close-up view of the Julei waterproof connectors, showing their design for secure and reliable connections between the PAS sensor, 1T5 cable, hub motor, and bike battery.

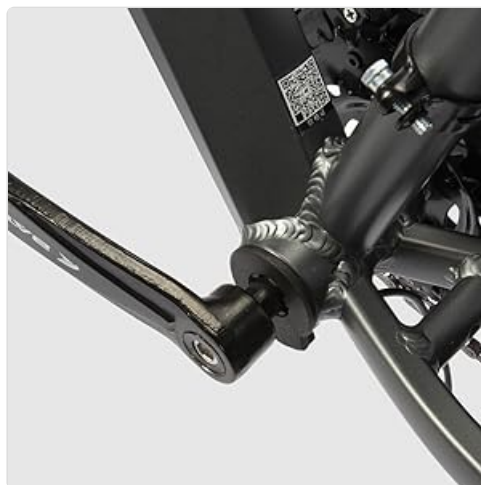


Image: A detailed view of the PAS (Pedal Assist Sensor) installed on the bicycle's crank arm, demonstrating its placement for detecting pedal rotation.

## 5. OPERATING INSTRUCTIONS

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Once installed, your e-bike kit provides intuitive controls for an enhanced riding experience.

### LCD Display:

The LCD display provides essential riding information and control over the kit's functions. It features a 3.5" screen with backlight for clear visibility. It shows speed, battery level, and pedal assist level.

- **Power On/Off:** Short press the ON/OFF button on the display.
- **Assist Levels:** The display offers 5 levels of power assistance. Use the '+' and '-' buttons to adjust the assist level according to your preference and terrain.
- **Walk Mode:** Hold the 'Down' button to activate 6km/h traction for easy walking alongside your bike.

### Thumb Throttle:

The thumb throttle allows for immediate power application, useful for starting or quick acceleration. It is typically mounted on the left side of the handlebar.

### Front Light:

The Wuxing brand LED front light provides illumination for safe riding in low-light conditions. It has a power of 2W and 30Lux.



Image: A detailed view of the LCD display mounted on handlebars, along with separate images of the front light, brake lever, and thumb throttle, detailing their features and cable lengths.

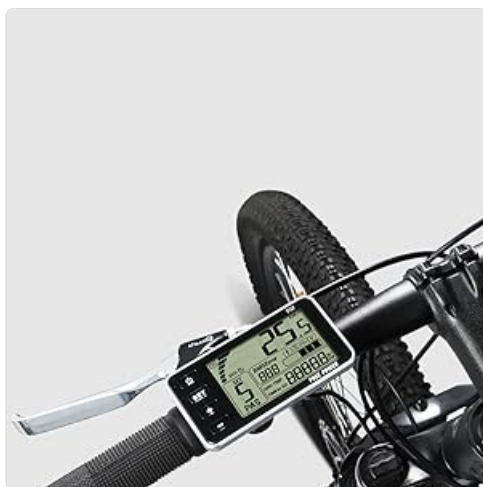


Image: A close-up of the LCD display mounted on the bicycle's handlebars, showing its screen and control buttons, indicating its position for easy access during riding.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your YOSE POWER E-Bike Conversion Kit, regular



maintenance is recommended:

- Keep all electrical connections clean and dry.
- Periodically check all bolts and fasteners for tightness, especially on the motor and wheel.
- Clean the motor and other components with a damp cloth. Avoid using high-pressure water jets directly on electrical parts.
- Inspect cables for any signs of wear or damage and replace if necessary.
- Ensure your bicycle's brakes are in good working order, as they are crucial for safety with the added speed.

## 7. TROUBLESHOOTING

If you encounter any issues with your YOSE POWER E-Bike Conversion Kit, consider the following common troubleshooting steps:

- **No Power:** Check if the battery is fully charged and properly connected. Ensure all electrical connectors are securely fastened.
- **Motor Not Engaging:** Verify that the PAS sensor is correctly installed and aligned. Check if the brake levers are fully released, as they cut power to the motor.
- **Display Not Working:** Ensure the display cable is properly connected to the controller. Check for any visible damage to the display or its cable.
- **Unusual Noises:** Inspect the motor and wheel for any obstructions or loose parts. If the noise persists, contact customer support.

For more complex issues, refer to the detailed troubleshooting section in the bilingual manual or contact YOSE POWER customer support.

## 8. TECHNICAL SPECIFICATIONS

Feature	Specification
Motor Type	Brushless Geared Hub Motor
Rated Voltage	36V
Rated Power	250W
Max Speed	Approx. 25 km/h
Max Torque	40 N.m
Wheel Size	28 Inches
Brake Type Compatibility	Disc / V Brake
Installation Width	100mm
Motor Diameter	130mm
Motor Cable Length	180cm (W/O connector)
Spokes	13G black spokes with double wall rim
Color	Silver

Feature	Specification
Net Product Weight	2.6 Kilograms (motor only)
Material	Aluminum
Special Features	Digital Display

<b>25KM</b> Max Speed	<b>40N.m</b> Max Torque	<b>Silver</b> Color
<b>36V</b> Rated Voltage	<b>250W</b> Rated Power	<b>Disc/V</b> Brake
Installation Width=100mm, Diameter=130mm.		
13G black spokes with double wall 28" rim		
Motor Cable:180cm W/O connector,Julet brand(quick release waterproof connector)		
 Width=100mm	 Diagonal hole distance:44mm Adjacent hole distance:22mm	

Image: A graphic summarizing key technical specifications such as Max Speed (25km/h), Max Torque (40N.m), Rated Voltage (36V), Rated Power (250W), and compatible Brake types (Disc/V Brake).

# 28" Wheel with Front Motor

36v

Rated Voltage

250w

Rated Power

Disc/v

Brake

40N.m

Max Torque

Silver

Color

25km

Max Speed



Angle 40°



Front  
hub motor



Max speed  
25km/h



IP65



Pedal assist  
mode

Image: A visual representation of the 28" front motor wheel with its key specifications, including rated voltage, rated power, brake type, max torque, color, and max speed, along with diagrams for installation width and tire size compatibility.

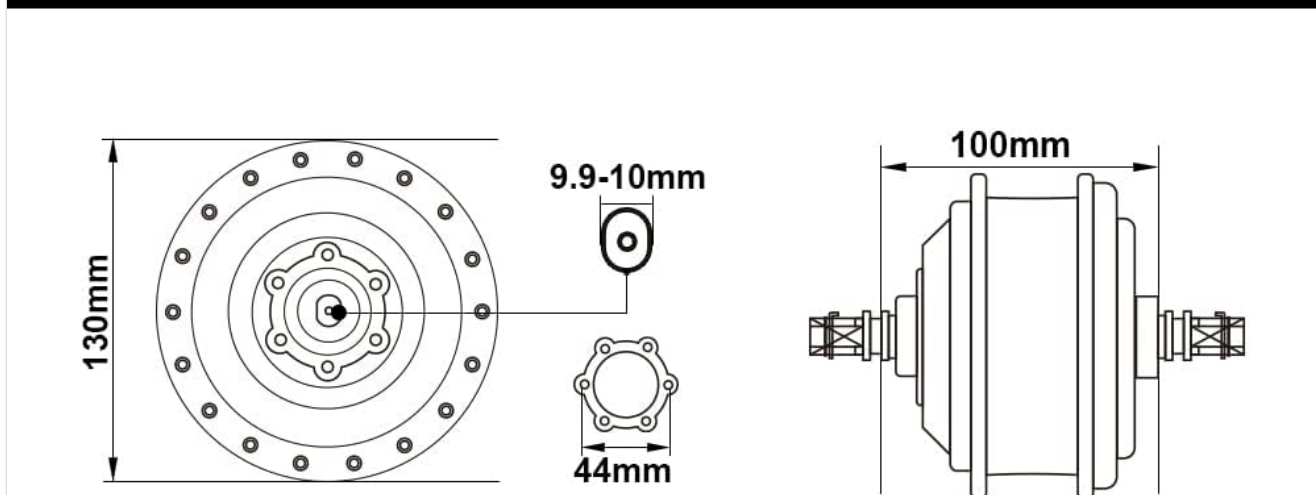
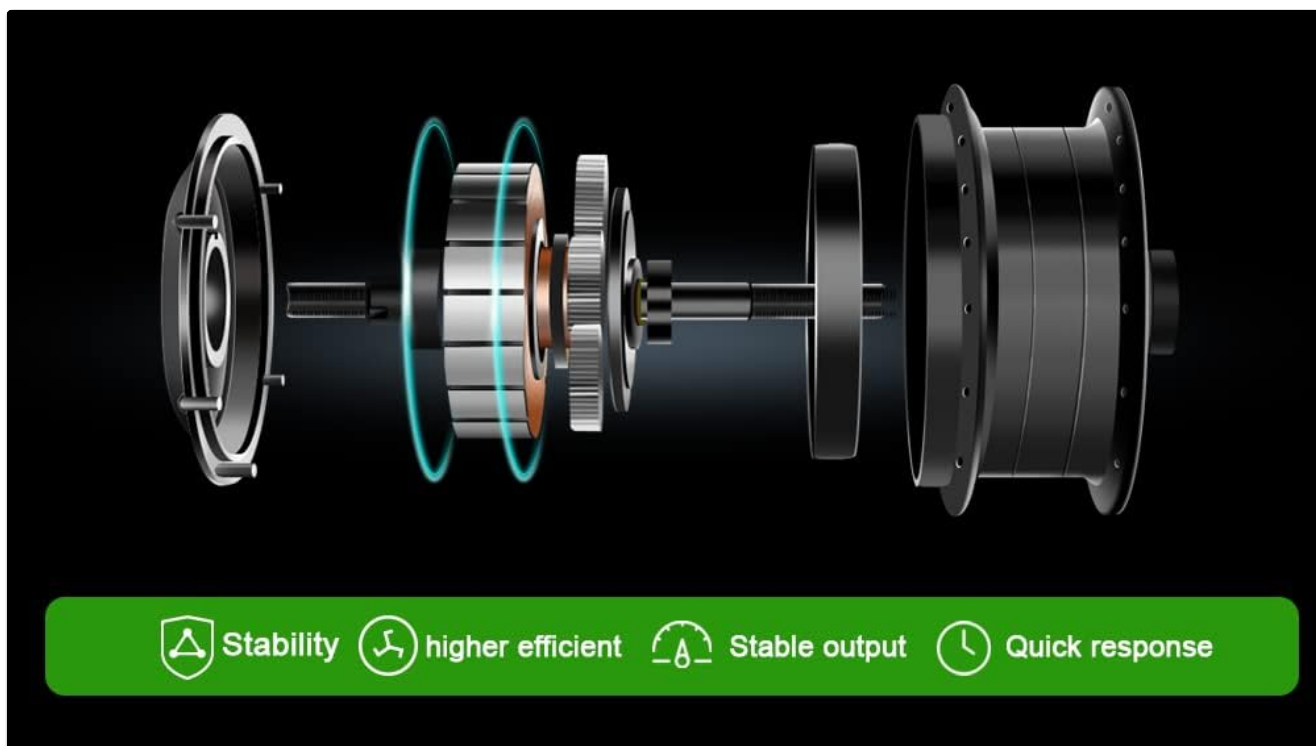


Image: An exploded diagram showing the internal components of the brushless geared motor, illustrating its stability, higher efficiency, stable output, and quick response capabilities.

## 9. WARRANTY AND SUPPORT

YOSE POWER is committed to providing high-quality products and excellent customer service.

### Warranty Information:

- **Motor:** 18 months warranty from the date of purchase.
- **Accessories:** 12 months warranty from the date of purchase.
- **Returns:** You have 30 days from the date of purchase for no-reason returns.
- All kits are fully tested and qualified before leaving the factory.
- Even after the warranty period, YOSE POWER continues to provide technical instructions. Accessories can be replaced for a fee if they are beyond the warranty period.

### Customer Support:

For any technical assistance, questions, or warranty claims, please contact YOSEPOWER Direct, the seller of this product. They are known for their friendly, competent, and helpful support team.



Related Documents

 <p>The cover features a stylized 'Y' logo with 'YOSE POWER' written vertically. Below it is a bicycle icon and the text 'E-bike Kits User Manual' and 'For Front Motor with Front Light'.</p>	<p><a href="#">YOSE POWER E-bike Kits User Manual: Front Motor with Front Light Installation Guide</a></p> <p>Comprehensive user manual for YOSE POWER E-bike Kits, specifically the Front Motor with Front Light model. Includes safety regulations, installation steps, component lists, and resources for converting a bicycle to an electric bike.</p>
 <p>The cover features a stylized 'Y' logo with 'YOSE POWER' written vertically. Below it is a bicycle icon and the text 'E-bike Kits User Manual' and 'For Front Motor with Front Light'.</p>	<p><a href="#">YOSE POWER E-bike Kits User Manual: Front Motor with Front Light Installation Guide</a></p> <p>Comprehensive user manual and installation guide for YOSE POWER E-bike Kits, featuring front motor and front light. Includes safety regulations, component lists, and step-by-step assembly instructions for converting a standard bicycle into an electric bike.</p>
 <p>The cover features a stylized 'Y' logo with 'YOSE POWER' written vertically. Below it is a bicycle icon and the text 'E-bike Kits User Manual' and 'For Rear Motor With Screwed Freewheel'.</p>	<p><a href="#">YOSE POWER E-bike Kits User Manual: Installation Guide for Rear Motor with Screwed Freewheel</a></p> <p>Comprehensive user manual and installation guide for YOSE POWER E-bike Kits, specifically for rear motors with screwed freewheels. Includes safety information, component lists, step-by-step assembly instructions, and connection diagrams.</p>
 <p>The cover features a stylized 'Y' logo with 'YOSE POWER' written vertically. Below it is a bicycle icon and the text 'E-bike Kits User Manual' and 'For Front Motor with Front Light'.</p>	<p><a href="#">YOSE POWER E-bike Kits User Manual: Front Motor with Front Light</a></p> <p>Comprehensive user manual for YOSE POWER E-bike Kits, specifically for the front motor with front light configuration. This guide provides detailed installation instructions, safety regulations, and important information for assembling and using the e-bike kit.</p>