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> VARUN C24-3 Electric Bike User Manual

## VARUN C24-3

# VARUN C24-3 Electric Bike User Manual

Model: C24-3 | Brand: VARUN

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your VARUN C24-3 Electric Bike. Please read this manual thoroughly before your first ride and keep it for future reference. Understanding the features and proper usage will ensure a safe and enjoyable experience.



Figure 1.1: VARUN C24-3 Electric Bike (Pink variant shown)

## 2. WHAT'S IN THE BOX

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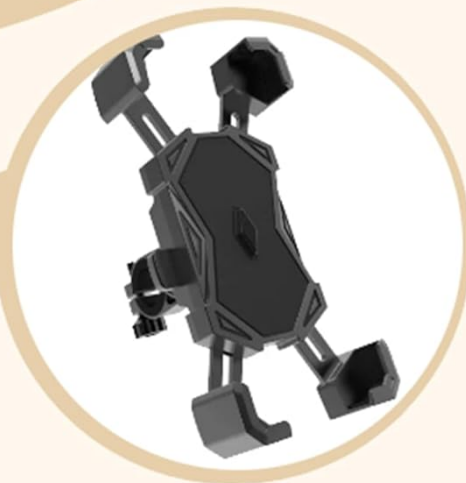
Upon unpacking, ensure all components listed below are present:

- 1\*User Manual
- 1\*Charger
- 1\*Electric bike
- 1\*Tool Kit
- 1\*Mobile Phone Holder
- 1\*Bike Lock Cable
- 1\*Bicycle Pump

# Accessories

## Mobile Phone Holder

Craft a personal 'throne' for your phone



## Bike Lock Cable

5-Digit Steel Cable Lock Mount & Anti-theft

## Bicycle Pump

Reduce daily maintenance costs and easy to carry



Figure 2.1: Included Accessories

## 3. ASSEMBLY INSTRUCTIONS

Your VARUN C24-3 Electric Bike comes 90% pre-assembled. Follow these steps to complete the assembly:

### 3.1. Watch the Assembly Video

Your browser does not support the video tag.

Video 3.1: VARUN C24-3 Electric Bike Installation Guide. This video demonstrates the complete assembly process for your electric bike.

### 3.2. Handlebar and Stem Installation

Insert the handlebar stem into the fork tube. Adjust the height and angle for comfortable riding, then tighten the bolts securely using the provided toolkit.



Figure 3.2: Adjustable Stem for personalized comfort.

### 3.3. Seat Post and Saddle Installation

Insert the seat post into the frame's seat tube. Adjust the saddle height to ensure your feet can comfortably touch the ground when stopped. Secure the quick-release lever or bolt.

### 3.4. Front Wheel and Fender Attachment

Attach the front wheel to the fork, ensuring the disc brake rotor is correctly aligned with the caliper. Secure the quick-release skewer. Install the front fender above the wheel, attaching it to the fork mounts.

### 3.5. Rear Fender and Rack Attachment

Attach the rear fender and the rear cargo rack to the designated mounting points on the frame. Ensure all bolts are tightened for stability.

### 3.6. Headlight and Taillight Installation

Mount the headlight to the front fork and the taillight to the rear rack. Connect their respective cables to the main wiring harness. Ensure connections are secure and waterproof.

### 3.7. Pedal Installation

Identify the left (L) and right (R) pedals. The left pedal screws counter-clockwise, and the right pedal screws clockwise. Tighten them firmly with a wrench.

### 3.8. Battery Installation

Slide the 48V removable battery into its frame mount until it clicks securely into place. Use the key to lock the battery, preventing theft and ensuring it stays in position during rides.

# 48V 374.4WH Li-ion Battery

Removable & Long Range



Figure 3.8: Removable 48V Li-ion Battery with over-temp, over-voltage, and over-charge protection.

## 4. OPERATING INSTRUCTIONS

### 4.1. Powering On/Off and Display

To power on the bike, ensure the battery is locked in place and press the power button on the battery. Then, press and hold the power button on the LCD display located on the handlebars. The display will show current speed, battery level, trip distance, and pedal-assist level.

# EASY TO OPERATE INTERFACE

Multi-function settings are exclusive to cycling trips



Figure 4.1: Easy-to-Operate Interface with LCD Display.

## 4.2. Riding Modes

The VARUN C24-3 Electric Bike offers versatile riding options:

- **Throttle-Only E-Bike Cruising:** Engage the throttle for motor-powered movement without pedaling. Max speed up to 20 MPH.
- **Pedal-Assist (PAS) Mode:** The motor provides assistance as you pedal, extending your range up to 40+ miles. Adjust assist levels via the LCD display.
- **Traditional Cycling (Manual Pedal):** Ride the bike like a standard bicycle, using only pedal power.
- **Power-Assisted Pushing Mode:** Assists at 6 km/h, making it effortless to push the bicycle when not riding.

# Versatile Class 3 E-Bike

7 Speed Modes enable precise control right



**20MPH**  
Pure Electric



**40Miles**  
Pedal-Assist



**Manual Pedal**  
MSport Mode



Figure 4.2: Riding Modes Overview.

### 4.3. Gear Shifting

Utilize the 7-speed shifter to adjust gears according to terrain and desired effort. Shift smoothly to maintain optimal pedaling cadence and motor efficiency.

### 4.4. Braking System

The bike is equipped with dual disc brakes for reliable stopping power. Always apply both brakes gently and evenly to avoid skidding, especially in wet conditions.

## DUAL FRONT FORK SUSPENSION

E-bike suspension forks provide a smoother ride, reduce hand fatigue, increase control and stability, protect bike components



Figure 4.4: Dual Disc Brakes for superior stopping power.

## 5. KEY FEATURES

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- **Peak 750W Motor:** Experience powerful acceleration and assistance with the quiet brushless motor, capable of reaching 20 MPH and tackling inclines up to 30 degrees. The motor provides 50 N.m of torque.

# Peak 750w Powerful Motor

Quiet brushless motor ensures comfort



Figure 5.1: Peak 750W Powerful Motor.

- **48V Removable Battery:** The 48V 374.4WH Li-ion battery offers over 40+ miles in pedal-assist mode and charges fully in 4-5 hours. It features over-temperature, over-voltage, and over-charger protection.
- **Front Suspension:** The dual front fork suspension provides a smoother ride, reduces hand fatigue, and improves control and stability on varied terrains.

## 500W BRUSHLES MOTOR

Make climbing slopes effortless



Figure 5.2: Dual Front Fork Suspension.

- **Waterproof Chain:** Designed with a waterproof chain for excellent performance in all weather conditions, reducing maintenance costs and ensuring smooth use.



Figure 5.3: Waterproof Chain.

- **Integrated Lighting:** Ultra-wide-angle bright LED headlight and taillights, along with reflective accents, ensure visibility and safety during day and night rides.

## IMPROVE RIDING COMFORT



**Headlight**  
Brighter, Farther and Clearer

**Taillight**  
Stronger recognition



**Seat**  
Comfortable and height-adjustable

Figure 5.4: Headlight and Taillight for improved visibility.

- **Comfortable Design:** Features an intuitive LCD, comfortable and height-adjustable seat, and metal fenders to minimize mud and water splashes.
- **Rear Rack:** A sturdy rear rack is included for carrying cargo, making the bike suitable for commuting, school runs, or grocery trips.

## 6. MAINTENANCE

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

- **Tires:** Check tire pressure before each ride. Maintain recommended PSI for optimal performance and safety.
- **Brakes:** Regularly inspect brake pads and rotors for wear. Ensure brake levers are responsive and cables are not frayed. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated, especially after riding in wet conditions.
- **Battery:** Charge the battery regularly, even when not in use, to maintain its health. Avoid fully discharging the battery. Store in a cool, dry place.
- **Fasteners:** Periodically check all bolts and screws for tightness, especially on the handlebars, seat post, wheels, and accessories.
- **Cleaning:** Clean your bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

## 7. SPECIFICATIONS

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Feature	Specification
Bike Type	Electric Bike
Model Number	C24-3
Brand	VARUN
Motor Wattage	500W (Peak 750W)
Max Speed	20 MPH
Battery	48V 374.4WH Li-ion (Removable)
Pedal Assist Range	Up to 40+ Miles
Charging Time	4-5 Hours
Number of Speeds	7
Wheel Size	24 Inches
Frame Material	High Carbon Steel
Suspension Type	Front
Brake Style	Dual Disc
Item Weight	24 Kilograms (approx. 53 lbs)
Max Load Capacity	330 lbs (from A+ content image)
Recommended Rider Height	5'3"-6'3" (from A+ content image)

## 8. WARRANTY AND SUPPORT

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VARUN offers a **1-year warranty** on the motor, battery, and controller. For any questions, technical support, or warranty claims, please contact VARUN customer service through your purchase platform or the official VARUN website.