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› [Alomejor 52V 25A 1200W Electric Bicycle Brushless Motor Speed Controller User Manual](#)

Alomejor Alomejorv2g7x9c68g

Alomejor 52V 25A 1200W Electric Bicycle Brushless Motor Speed Controller User Manual

Model: Alomejorv2g7x9c68g

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Alomejor 52V 25A 1200W Electric Bicycle Brushless Motor Speed Controller. Designed for electric bicycles and scooters, this dual-drive controller offers stable and efficient power management for DIY upgrades. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT OVERVIEW

The Alomejor 52V 25A 1200W Dual Drive Controller is engineered for enhanced performance and durability in electric mobility applications. It features a robust aluminum alloy and PCB construction, ensuring a long service life. This controller is specifically designed to manage power output for 52V systems, providing consistent acceleration and improved riding experience.



Figure 2.1: Alomejor 52V 25A 1200W Electric Bicycle Brushless Motor Speed Controller. This image displays the main unit with its various wiring harnesses and connectors.

Key Features:

- **High Stability and Durability:** Constructed from premium aluminum alloy and PCB for extended performance and operating lifespan.
- **Enhanced E-biking Experience:** Designed to deliver faster speeds and smoother rides.
- **Versatile Upgrade Option:** Supports DIY enhancements for adaptable e-mobility needs.
- **Precise Power Output Management:** Ensures consistent acceleration and safe operation.

3. SPECIFICATIONS

Feature	Detail
Item Model Number	Alomejorv2g7x9c68g
Voltage	52V
Current	25A
Power	1200W
Material	Aluminum Alloy, PCB

Feature	Detail
Package Dimensions	5.12 x 4.33 x 2.36 inches
Item Weight	7.44 ounces
Compatibility	Electric bikes and electric scooters (specifically J&P dual drive models)

4. INSTALLATION

The Alomejor 52V 25A 1200W Dual Drive Controller is designed for straightforward installation, particularly as a replacement for front-wheel drive controllers in J&P dual drive models. Ensure all power is disconnected from your electric bicycle or scooter before beginning installation.

Easy Installation

Specifically designed for J&P dual drive models, the motor controller offers straightforward installation as a front wheel drive controller replacement.



Figure 4.1: Controller wiring for easy installation. This image shows the various color-coded wires and connectors, indicating a user-friendly setup.

Installation Steps:

1. **Safety First:** Disconnect the battery and ensure no power is supplied to the motor or existing controller.
2. **Remove Old Controller:** Carefully detach the existing controller, noting the connections for reference.
3. **Mount New Controller:** Securely mount the Alomejor controller in the designated location on your electric bicycle or scooter.
4. **Connect Wiring:** Connect the wires from the new controller to the corresponding components (motor, battery, throttle, brake, display, etc.). Pay close attention to the color coding and connector types.
5. **Verify Connections:** Double-check all connections to ensure they are secure and correctly matched. Incorrect wiring can cause damage to the controller or other components.
6. **Initial Power-Up:** Reconnect the battery and power up the system. Observe for any unusual behavior or error codes.

Note: This controller is incompatible with dual drive controllers from other brands. Ensure compatibility with your existing system before installation.

Front wheel drive

Stable and guarantees long hours of continuous operating
52V 25A 1200W dual drive controller
Precise control of power output to ensure driving safety

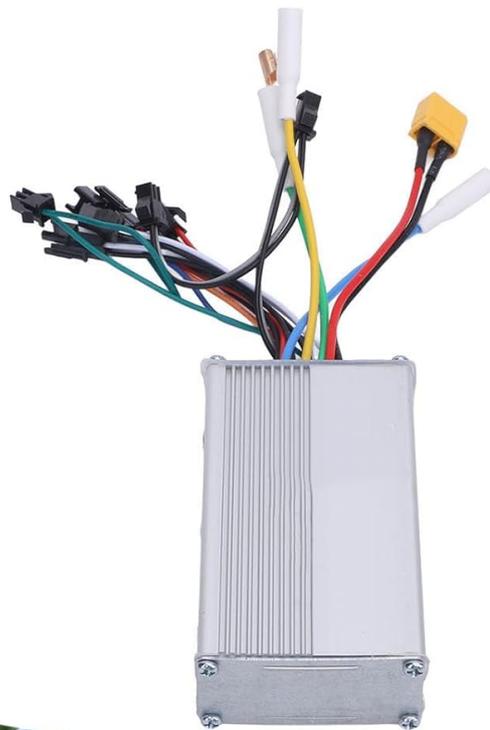


Figure 4.2: Controller installed on an electric bike, illustrating its application for front-wheel drive systems. This image shows the controller's integration into an e-bike setup.

5. OPERATION

Once properly installed, the Alomejor 52V 25A 1200W Dual Drive Controller will manage the power delivery to your electric motor, providing a responsive and controlled riding experience. Operation typically involves using your existing throttle and display unit.

Precise Power Control

Dependable power output management enhances performance and ensures safe operating, offering seamless acceleration for a confident ride.



Figure 5.1: Controller demonstrating precise power control. This image highlights the controller's ability to manage power output for smooth acceleration.

General Operation Guidelines:

- **Power On:** Turn on your electric bicycle/scooter using its main power switch or display unit. The controller will initialize.
- **Throttle Control:** Use the throttle to regulate motor speed. Apply throttle gradually for smooth acceleration.
- **Braking:** Engage brakes as usual. Many systems include motor cut-off switches integrated with the brake levers, which will signal the controller to stop power to the motor.
- **Display Information:** Refer to your e-bike's display for information such as speed, battery level, and error codes.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Alomejor motor speed controller. The controller itself requires minimal maintenance due to its durable construction.

Maintenance Tips:

- **Keep Clean:** Periodically clean the exterior of the controller with a dry cloth to remove dust and debris. Avoid using harsh chemicals or excessive moisture.
- **Inspect Connections:** Regularly check all wiring connections to ensure they are secure and free from corrosion or damage. Loose connections can lead to intermittent power or system failures.
- **Avoid Overheating:** Ensure the controller is mounted in a location with adequate airflow to prevent overheating, especially during prolonged use or high power demands.
- **Protect from Water:** While the controller is designed to be robust, avoid direct exposure to heavy rain or submersion in water to prevent internal damage.

7. TROUBLESHOOTING

If you encounter issues with your Alomejor motor speed controller, refer to the following common troubleshooting steps. For complex problems, it is recommended to consult a qualified technician.

Common Issues and Solutions:

- **No Power to Motor:**
 - Check battery charge level.
 - Verify all power connections from battery to controller and controller to motor are secure.
 - Inspect fuses or circuit breakers if applicable.
- **Motor Runs Intermittently:**
 - Check for loose wiring connections, especially to the motor and throttle.
 - Ensure throttle is functioning correctly.
- **Unusual Noises or Vibrations:**
 - Disconnect power immediately.
 - Inspect motor and controller for any visible damage or obstructions.
 - Consult a technician if the issue persists.
- **Error Codes on Display:**
 - Refer to your e-bike's display manual for specific error code meanings and troubleshooting steps.
 - Common errors relate to motor hall sensors, throttle, or brake cut-off.

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Alomejor 52V 25A 1200W Electric Bicycle Brushless Motor

Speed Controller, please contact Alomejor customer service. Keep your purchase receipt and product model number (Alomejorv2g7x9c68g) handy when contacting support.

You can visit the official [Alomejor Store on Amazon](#) for more product information and contact options.