

Bloepum 500783473

Bloepum 52V 25A 1200W JP Brushless DC Motor and Meter Display Screen Controller Instruction Manual

Model: 500783473

1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your Bloepum 52V 25A 1200W JP Brushless DC Motor and Meter Display Screen Controller. Please read this manual thoroughly before use to ensure safe and efficient operation of your electric scooter or bike.

2. PRODUCT OVERVIEW

The Bloepum controller system is designed for electric scooters and bikes, featuring a dual-drive brushless DC motor controller and a meter display screen. It provides stable speed control, sensitive direction changes, and includes an anti-theft alarm function. The controllers are constructed from aluminum alloy with grooves for effective heat dissipation, protecting internal circuits from thermal overloading.

This system is specifically compatible with JP controller Electric Bikes and Electric Scooters.

3. SAFETY INFORMATION

- Always disconnect power before performing any installation, maintenance, or troubleshooting.
- Ensure all connections are secure and correctly wired according to the provided diagrams. Incorrect wiring can cause damage to the components or pose a safety risk.
- Avoid exposing the controller and display to water, excessive moisture, or extreme temperatures.
- Do not attempt to open or modify the controller or display unit. This will void the warranty and may lead to malfunction or injury.
- Wear appropriate safety gear when operating an electric scooter or bike.

4. PACKAGE CONTENTS

Verify that all items are present in your package:

- 2 x Brushless DC Motor Controllers (52V 25A)
- 1 x Meter Display Screen



Figure 4.1: Overview of all included components.

5. SETUP AND INSTALLATION

The installation process involves connecting the controllers to the motors, the display unit, and the power source. Due to the complexity of electrical systems, professional installation is recommended if you are unfamiliar with such procedures.

5.1 Controller Connections

Each brushless DC motor controller manages one motor. Ensure correct wiring for each motor to its respective controller. The controllers feature multiple wiring harnesses for various functions.



Figure 5.1: Two brushless DC motor controllers with wiring.

5.2 Meter Display Screen Installation

The meter display screen typically mounts on the handlebars of your electric scooter or bike. Connect its wiring harness to the designated port on one of the controllers. This display provides real-time information and control over the system.



Figure 5.2: Meter display screen with wiring.

5.3 Power Connection

Connect the main power cables from the controllers to your 52V battery pack. Double-check polarity to prevent damage. Once all connections are secure, the system is ready for initial power-up.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press and hold the power button on the meter display screen to turn the system on or off.

6.2 Display Functions

The meter display screen provides critical information such as current speed, battery level, and riding mode. Use the buttons on the display to cycle through different information screens or adjust settings as per your scooter/bike's specific configuration.

6.3 Speed Control

The controller provides steady speed and sensitive control. The maximum speed supported is 60 KM/H, though actual speed depends on your motor's capabilities (requiring 1000W-1200W or more to reach this maximum).

6.4 Anti-Theft Alarm

The dual-drive controller includes an anti-theft alarm function. Refer to your scooter/bike's specific wiring diagram and display settings for activation and operation of this feature.

7. MAINTENANCE

- **Cleaning:** Keep the controller and display unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- **Connections:** Periodically check all electrical connections to ensure they are tight and free from corrosion.
- **Storage:** If storing the electric scooter/bike for an extended period, ensure the battery is charged to an appropriate level and store in a cool, dry place.
- **Inspection:** Regularly inspect the aluminum alloy casing for any signs of damage that might compromise heat dissipation.

8. TROUBLESHOOTING

This section addresses common issues you might encounter.

8.1 System Not Powering On

- Check the battery connection and ensure it is fully charged.
- Verify that the main power cables to the controllers are securely connected.
- Ensure the display screen's power button is functioning correctly.

8.2 Motor Not Responding

- Inspect the motor phase wires and Hall sensor wires for secure connections to the controller.
- Check for any error codes displayed on the meter screen.
- Ensure the throttle or accelerator is properly connected and functioning.

8.3 Display Screen Malfunction

- Verify the display unit's connection to the controller.
- If the screen is blank, check for power supply to the display.

If issues persist after performing these checks, contact customer support.

9. SPECIFICATIONS

Feature	Specification
Controller Rated Current	25A
Cut-off Voltage	40V
Suitable Motor Voltage	52V
Suitable Motor Wattage	1200W

Max Speed Support	60 KM/H (dependent on motor)
Controller Type	Dual-drive, Brushless DC
Material	Aluminium Alloy (Controller)
Item Package Dimensions L x W x H	10.24 x 7.09 x 1.97 inches
Package Weight	677 Grams
Item Weight	677 Grams
Model Number	500783473

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Bloepum customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

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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

