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> Pwshymi 48V 20A Brushless Electric Scooter Controller User Manual for KUGOO M4

Pwshymi Pwshymiia9bnwyx75

Pwshymi 48V 20A Brushless Electric Scooter Controller User Manual

Model: Pwshymiia9bnwyx75

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Pwshymi 48V 20A Brushless Electric Scooter Controller. This controller is specifically designed for use with KUGOO M4 10-inch electric scooters, ensuring precise speed control and sensitive braking capabilities. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

WARNING: Do not attempt to disassemble, modify, or repair the product yourself to avoid personal injury or equipment damage.



1 Warning

Do not attempt to disassemble, modify or repair the product yourself to avoid personal injury or equipment damage.

2 Warnung

Versuchen Sie nicht, das Produkt selbst zu zerlegen, zu modifizieren oder zu reparieren, da dies zu Verletzungen oder Geräteschäden führen kann.

3 Avertissement

N'essayez pas de démonter, de modifier ou de réparer le produit vous-même, car vous risqueriez de vous blesser ou d'endommager l'équipement.

4 Advertencia

No intente desmontar, modificar o reparar el producto usted mismo para evitar lesiones personales o daños en el equipo.

5 Ostrzeżenie

Nie próbuj rozkładać, modyfikować ani naprawiać produktu samodzielnie, aby uniknąć urazu osobistego lub uszkodzenia sprzętu.

6 Waarschuwing

Probeer het product niet zelf te demonteren, aan te passen of te repareren, want dit kan leiden tot letsel of schade aan het apparaat.

7 Varning

Försök inte att demontera, modifiera eller reparera produkten själv, eftersom det kan leda till personskador eller skador på apparaten.

8 Attenzione

Non tentare di smontare, modificare o riparare autonomamente il prodotto per evitare lesioni personali o danni all'apparecchiatura.

9 Uyarı

Kendiniz ürünü sökmeye, değiştirmeye veya tamir etmeye kalkışmayın, kişisel yaralanma veya ekipman hasarı oluşabilir.

Image description: A red exclamation mark warning symbol is displayed next to a list of safety warnings in multiple languages, including English, German, French, Spanish, Polish, Dutch, Swedish, Italian, and Turkish. The English warning states: "Do not attempt to disassemble, modify, or repair the product yourself to avoid personal injury or equipment damage."

- Ensure the scooter is powered off before attempting any installation or maintenance.
- Always wear appropriate safety gear when working with electrical components.
- Verify all connections are secure and correct according to the wiring diagram to prevent short circuits or malfunction.
- Keep the controller away from water and excessive moisture.

3. PRODUCT OVERVIEW AND COMPONENTS

The Pwshymi 48V 20A Brushless Electric Scooter Controller is housed in a durable metal shell designed for thermal overload protection. It features multiple connectors for various scooter components.



Image description: A silver-colored rectangular electric scooter controller with numerous multi-colored wires extending from one end. The wires are terminated with various connectors, indicating different functions.

3.1 Dimensions and Labeled Connections

Affichage de la taille

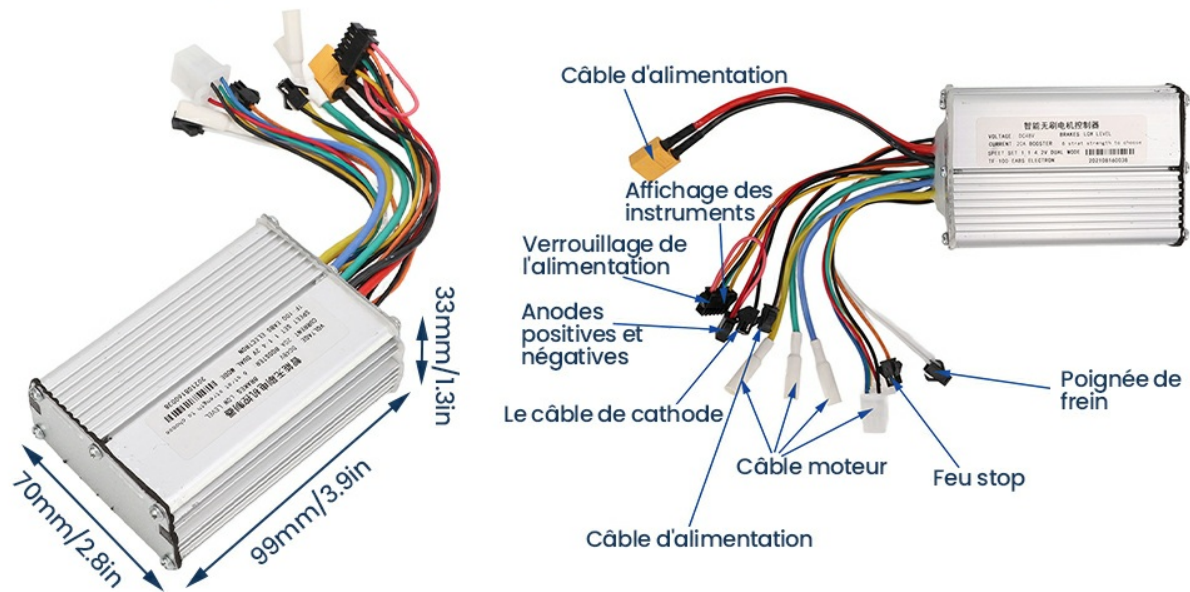


Image description: A diagram illustrating the dimensions of the controller (approximately 99mm length, 70mm width, 33mm height) and a detailed breakdown of its wiring connections. Labels include: Power Cable, Instrument Display, Power Lock, Positive and Negative Anodes, Cathode Cable, Motor Cable, Brake Handle, and Stop Light.

- **Dimensions:** Approximately 99mm (3.9in) x 70mm (2.8in) x 33mm (1.3in).
- **Key Connections:**
 - Power Cable
 - Instrument Display
 - Power Lock
 - Positive and Negative Anodes
 - Cathode Cable
 - Motor Cable
 - Brake Handle
 - Stop Light

4. SPECIFICATIONS

Feature	Detail
Brand	Pwshymi
Model	Pwshymiia9bnwyx75
Voltage	48V
Current	20A
Material	Aluminum Alloy + PCB + Plastic
Compatibility	KUGOO M4 10-inch Electric Scooters
Dimensions	Approx. 99x70x33mm (3.9x2.8x1.3in)

Feature	Detail
Weight	Approx. 240g (8.5oz)

5. SETUP AND INSTALLATION

The controller is designed for straightforward installation. Refer to the provided wiring diagram and the video demonstration for proper connection.

5.1 Wiring Instructions

Connect the controller to the corresponding wire interfaces of your electric scooter. The specific functions are realized when the correct connections are made. Ensure all connections are firm and secure.

1. Identify the main power cable from the scooter and connect it to the controller's power input.
2. Connect the motor cables from the scooter to the designated motor cable ports on the controller.
3. Attach the instrument display cable, power lock cable, brake handle cable, and stop light cable to their respective ports.
4. Ensure positive and negative anodes and cathode cables are correctly matched.
5. After all connections are made, double-check for any loose wires or incorrect pairings before powering on the scooter.

5.2 Installation Video Guide

Your browser does not support the video tag.

Video description: A short video demonstrating the physical handling and connection points of the electric scooter controller. It shows a person holding the controller and manipulating its various colored wires and connectors, providing a visual guide for installation.

6. OPERATING INSTRUCTIONS

Once correctly installed, the Pwshymi controller provides precise and sensitive control over your electric scooter's motor functions.

- **Speed Control:** The brushless motor ensures steady speed delivery. Use your scooter's throttle mechanism to adjust speed.
- **Braking:** The controller facilitates sensitive braking. Engage the scooter's brake levers for responsive stopping.
- **Directional Control:** The controller supports directional changes as per your scooter's design.

Always operate your electric scooter responsibly and in accordance with local regulations.

7. MAINTENANCE

To ensure the longevity and optimal performance of your controller, follow these general maintenance guidelines:

- **Regular Inspection:** Periodically check all wiring connections for tightness and signs of wear or damage.
- **Cleaning:** Keep the controller and its connections clean and free from dust, dirt, and debris. Use a dry, soft cloth for cleaning.
- **Environmental Protection:** Avoid exposing the controller to extreme temperatures, direct sunlight

for prolonged periods, or harsh chemicals.

- **Moisture Protection:** While the metal shell offers protection, avoid submerging the controller in water or operating the scooter in heavy rain.

8. TROUBLESHOOTING

If you encounter issues with your electric scooter's performance after installing the controller, consider the following basic troubleshooting steps:

- **No Power:**
 - Check the main power cable connection to the controller and the scooter's battery.
 - Ensure the power lock is engaged (if applicable).
 - Verify the scooter's battery is charged.
- **Motor Not Responding:**
 - Inspect the motor cable connections for looseness or damage.
 - Ensure the throttle mechanism is functioning correctly.
- **Erratic Speed Control:**
 - Check the instrument display and throttle connections.
 - Ensure no wires are pinched or damaged.
- **Braking Issues:**
 - Verify the brake handle connections are secure.
 - Check the scooter's brake system for mechanical issues.

If problems persist after performing these checks, it is recommended to consult a qualified technician or contact Pwshymi customer support for further assistance.

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the purchase documentation or contact Pwshymi customer service directly. Contact details can typically be found on the seller's page or the official Pwshymi website.

Manufacturer: Pwshymi

ASIN: B0DF2S8X7H