

Keenso MY1016

Keenso MY1016 24V 300W Electric Scooter Motor Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Keenso MY1016 24V 300W Electric Scooter Motor. Please read these instructions thoroughly before use to ensure proper function and longevity of the product. Retain this manual for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the motor and associated equipment:

- Ensure the power supply is disconnected before performing any installation, maintenance, or troubleshooting.
- Wear appropriate personal protective equipment, such as safety glasses and gloves, during installation.
- Verify that the voltage and power ratings of your battery and controller are compatible with the motor (24V, 300W).
- Avoid exposing the motor to water or excessive moisture.
- Do not attempt to modify the motor or its components. Unauthorized modifications can lead to malfunction and void the warranty.
- If you are unsure about any installation steps, consult a qualified technician.

3. PRODUCT OVERVIEW

The Keenso MY1016 is a compact and portable 24V 300W brush motor designed for electric scooters and similar vehicles. It features an aluminum construction for durability and efficient heat dissipation. The motor is equipped with a sprocket for chain drive systems.



Image: The Keenso MY1016 electric scooter motor, showing its compact design, mounting bracket, and pre-attached power wires with terminals.



Image: A close-up view of the motor's identification label, displaying model number MY1016, 24VDC output, 300W power, 2750 RPM rated speed, and 17A rated current.



Image: Detailed view of the red and black wire terminals, indicating positive and negative connections for the motor's power supply.

4. SETUP AND INSTALLATION

Follow these general steps for installing the MY1016 motor. Specific vehicle configurations may vary.

1. **Mounting:** Securely attach the motor to the vehicle frame using appropriate bolts and nuts through the integrated mounting bracket. Ensure the motor is aligned correctly with the drive chain or belt system.
2. **Electrical Connections:**
 - Connect the motor's red wire to the positive (+) output of your 24V DC controller.
 - Connect the motor's black wire to the negative (-) output of your 24V DC controller.
 - Ensure all connections are tight and insulated to prevent short circuits.
3. **Chain/Belt Installation:** Install the drive chain or belt onto the motor's sprocket and the vehicle's wheel sprocket. Adjust tension as required by your vehicle's design.
4. **Controller and Battery:** Connect the controller to your 24V battery pack and other vehicle components (e.g., throttle, brake sensors) according to the controller's specific instructions.

Note: Incorrect wiring can damage the motor or controller. If you are not experienced with electrical installations, seek professional assistance.

5. OPERATING INSTRUCTIONS

Once the motor is correctly installed and all electrical connections are secure, the motor operates in conjunction with a compatible 24V DC motor controller and battery system.

- **Power On:** Activate the main power switch of your electric scooter or vehicle.
- **Throttle Control:** Use the throttle mechanism to control the speed of the motor. The controller will regulate the power supplied to the motor based on throttle input.
- **Braking:** Apply brakes as needed. Many controllers include features that cut power to the motor when brakes are engaged.
- **Overload Protection:** Avoid operating the motor under continuous heavy load beyond its rated capacity (300W) to prevent overheating and damage.

6. MAINTENANCE

Regular maintenance helps ensure optimal performance and extends the lifespan of your motor.

- **Cleaning:** Periodically clean the exterior of the motor to remove dirt, dust, and debris. Use a dry cloth or soft brush. Do not use water or solvents directly on the motor.
- **Inspection:** Regularly inspect the motor for any signs of physical damage, loose connections, or unusual wear on the sprocket.
- **Brush Inspection (if applicable):** As a brush motor, the carbon brushes may wear over time. If you experience reduced performance or unusual noise, consult a technician for brush inspection and replacement if necessary.
- **Lubrication:** The motor bearings are typically sealed and do not require lubrication. Do not attempt to lubricate internal components unless specifically instructed by a qualified technician.
- **Storage:** When not in use for extended periods, store the motor in a dry, cool environment away from direct sunlight and moisture.

7. TROUBLESHOOTING

If you encounter issues with your motor, perform the following basic checks:

- **Motor Not Running:**
 - Check all electrical connections for tightness and correct polarity.
 - Verify that the battery is charged and providing the correct voltage (24V).
 - Ensure the controller is functioning correctly and receiving throttle input.
 - Check for any obstructions preventing the motor from turning freely.
- **Weak Performance/Reduced Speed:**
 - Check battery charge level.
 - Inspect for excessive friction in the drive chain/belt or wheel bearings.
 - Ensure the motor is not overloaded beyond its rated capacity.
 - Consider potential wear of carbon brushes if the motor has seen extensive use.
- **Unusual Noise or Vibration:**

- Check for loose mounting bolts.
- Inspect the drive chain/belt for proper tension and alignment.
- If the noise originates from within the motor, discontinue use and consult a technician.

If these steps do not resolve the issue, contact customer support or a qualified technician.

8. SPECIFICATIONS

Feature	Specification
Brand	Keenso
Model	MY1016
Voltage	24 Volts DC
Output Power	300 Watts
Rated Speed	2750 RPM
Rated Current	17 Amperes
Material	Aluminum
Item Weight	4.2 Pounds (approx. 1.9 kg)

9. WARRANTY INFORMATION

Warranty terms and conditions for the Keenso MY1016 24V 300W Electric Scooter Motor are typically provided at the point of purchase. Please refer to your original purchase documentation, retailer's website, or contact the seller directly for specific warranty details, coverage, and claim procedures.

10. SUPPORT

For technical assistance, product inquiries, or further support regarding your Keenso MY1016 motor, please contact the retailer from whom you purchased the product. You may also visit the official Keenso website for additional resources or contact information.

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