

SHUYU

GREEN INTELLIGENT
TECHNOLOGY CONVENIENCE

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SHUYU ELECTRIC TRICYCLE

USER MANUAL

TRICYCLE MODEL - SF-01
(WITH 1.6-METER CARGO BOX)

*NON-ROAD VEHICLE

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PRUDENT DRIVING PRECAUTIONS

- Prior to utilizing the electric vehicle, refrain from doing so until you have carefully perused the user manual and gained a thorough understanding of the vehicle's performance capabilities. Do not lend the vehicle to individuals who lack the proficiency to operate it.
- To ensure the safety of both yourself and others, exercise prudence while driving and conscientiously adhere to traffic regulations, especially when navigating non-motorized vehicle lanes.
- During inclement weather conditions such as rain or snow, or when encountering unfavorable road

surfaces, it is advisable to reduce your driving speed. When applying the brakes, engage in measured and gradual deceleration to prevent skidding. Also, adjust your braking distance accordingly to ensure safety.

- While this vehicle is resilient against rainwater, it should not be immersed in deep water. Submerging the motor shaft, controller, or any electrical circuit components can result in short-circuiting and damage to the electrical system. Please exercise utmost caution. After traversing through deep water, promptly disconnect the power source, wipe the vehicle dry, and only resume riding after it has completely dried.
- Before setting off, verify that both the front and rear braking systems are functioning properly. Should any issues arise, promptly arrange for maintenance and repairs.

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- Refrain from hanging objects on the handlebars while driving to prevent entanglement with the wheels, which could lead to vehicle malfunctions and potential injuries.
- The maximum load capacity for this vehicle can be found on the vehicle's nameplate. Please refrain from overloading it to prevent excessive strain on the electric components. Additionally, avoid high-speed riding on uneven surfaces to minimize the risk of tire blowout or wheel deformation, which may jeopardize your safety.
- Maintain the appropriate tire pressure to minimize resistance during travel, reduce tire wear, energy consumption, and optimize the vehicle's range.

△ Caution

Please be mindful of adhering to traffic regulations. The following individuals are strictly prohibited from operating a vehicle in order to ensure personal safety: individuals with psychiatric disorders or a history thereof, individuals with heart conditions, the hearing and speech impaired, individuals under the influence of alcohol, other disabled individuals deemed unsuitable for driving, and children.

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Electric Tricycle Showcase



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Electric Tricycle Showcase



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Product Features Introduction

1. INSTRUMENT PANEL AND INDICATOR LIGHTS



1. Speedometer: Indicates the distance traveled by the vehicle per hour.
2. Turn Signal Indicator: When the turn signal switch is activated to the left or right, the corresponding turn signal indicator will flash.
3. High Beam Indicator: The indicator illuminates when the high beam headlights are turned on.

4. Battery Level Display: When the pointer on the battery gauge is in the green region, it indicates sufficient battery power. When the pointer is in the red region, it indicates a gradual decrease in battery power. When the pointer reaches the last red region, it signifies low battery power and prompt charging is required.

5. Power Switch: When the key is turned to the "ON" position (with the ignition switch open), the vehicle can be operated, and the key cannot be removed. When the key is turned to the "OFF" position, all circuits are in a disconnected state, and the vehicle cannot be operated; the key can be removed.

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Product Features Introduction

2. LEFT HANDLEBAR CONTROL SYSTEM



1. Turn Signal Switch: When the electric vehicle needs to change its direction of travel, toggle the " " turn signal switch.
2. Headlight Switch: Switch it to the " " position to turn on the headlights.
3. Horn Button: When the electric vehicle needs to sound the horn, press and hold this " " button.

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3. RIGHT HANDLEBAR CONTROL SYSTEM

1. Position Light Switch: When the headlight switch is pulled to the "P" position, the position lights of the instrument panel, headlights, and taillights are turned on.
Headlight Switch: When the headlight switch is pulled to the " " position, the headlights are activated for high or low beam.
2. Forward/Reverse Switch: When the reverse switch is pressed once, the vehicle moves backward. Pressing the reverse switch again makes the vehicle move forward, accompanied by a Chinese voice prompt.
3. Throttle Control Lever: When the power key is in the "ON" position, slowly turn it inward to control the vehicle's speed; the further inward the lever is turned, the faster the vehicle will go.

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Product Features Introduction

4. POWER BOOST OPERATION



5. REVERSE SWITCH



SWITCH

6. PRE-RIDE INSPECTION

To ensure the optimal performance of the electric vehicle, it is necessary to conduct pre-driving checks, focusing on the following items:

1. Front and rear brakes: Inspect the operation and, if necessary, adjust the free travel of the front brake lever or rear brake pedal.
2. Tires: Check the tire pressure, as well as the wear and damage on both the front and rear tires.
3. Lighting and horn: Verify that the headlights, position lights, brake lights, turn signal lights, and horn are all in proper working condition.
4. Steering mechanism: Assess the stability and flexibility of the steering operation.

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7. BRAKING AND PARKING

1. When it is necessary for the electric vehicle to come to a stop, release the throttle control lever and evenly apply both the front and rear brakes until the vehicle comes to a halt.
2. Turn the power switch knob to the "OFF" position to completely cut off the power supply to the vehicle.
3. Engage the handbrake firmly.
4. Remove the key.

▲ WARNING

Using only the front or rear brakes during braking can cause the vehicle to slide sideways!

8. CHARGING OPERATION

To power off the vehicle, insert the charging plug (output end) of the charger into the vehicle's charging socket in a specific direction. Then, plug the AC power plug (input end) of the charger into a 220V 50Hz single-phase socket to charge the vehicle's battery.

Charging Status Indication:

The charger is equipped with two indicator lights: a red power indicator light and a red/green dual-color charging indicator light. When the red power indicator light is on, it indicates that the power is connected. When the charging indicator light is red, it means that the vehicle is currently being charged. After charging for 2-8 hours, when the charging indicator light turns green, it indicates that the battery is mostly charged. It is recommended to continue charging for 1-2 more hours, as the battery is now in a trickle charging state. This can effectively ensure that the battery is fully charged, balance the battery voltage, and extend the battery's lifespan.

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9.USAGE OF CHARGER

The charger should not be used in damp, gas-laden, or heat source areas. It is essential to choose a well-ventilated location without flammable materials. In case of any abnormal situation, immediately turn off the power. Do not attempt to dismantle it yourself.

The charger's casing has ventilation holes, and it is strictly prohibited to allow liquids or foreign objects to enter. Keep it out of reach of children to prevent any potential hazards.

▲ WARNING

During operation, it is crucial not to cover or block the bottom of the charger, as this can lead to insufficient heat dissipation, damaging the charger, or even causing a fire. The charger contains high voltage, so exercise caution to avoid electric shock.

10.REGULAR INSPECTION AND MAINTENANCE

During the operation of an electric vehicle, it is inevitable that there will be varying degrees of loosening and mechanical wear. Failing to perform regular maintenance will result in a decline in the vehicle's performance, economy, reliability, and safety, and it may also shorten its lifespan. Therefore, it is essential for electric vehicle drivers to conduct proper and regular maintenance to ensure optimal performance. Through correct and timely maintenance, obstacles can be promptly eliminated, extending the life of the electric vehicle, reducing repair costs, and achieving the goal of safe driving. The maintenance of an electric vehicle has the following requirements:

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1. Keep the motor differential clean, free from oil leakage, and ensure good acceleration and power performance without any abnormal noises.
2. Ensure that the speed control handle rotates freely without any sticking.
3. Ensure that the brake lever is easy to operate, providing the desired braking effect. When releasing the brake, the brake shoe should automatically reset, and the motor should have good coasting performance without any friction.
4. The front and rear shock absorbers should be stable and reliable, the tire pressure should be normal, and all electrical components should function properly.
5. Ensure that all vehicle connections are secure without any looseness, and the overall appearance of the vehicle is clean and tidy.

6. All lubrication points should be adequately lubricated without any oil leakage.
7. The battery connections should be secure and reliable.

11.DAILY INSPECTION

The condition of a vehicle can change daily, and to ensure safe driving, the following items should be checked before each journey:

1. The operation of indicators and instrument panels.
2. The functioning of the lighting and illumination system.
3. The operation of the horn and turn signal lights.

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4. The travel distance of the brake pedal.
5. The travel distance of the horn and parking brake lever.
6. The tire pressure and wear condition.

12.BRAKE INSPECTION AND ADJUSTMENT



The distance that the rear brake pedal can move before the rear brakes engage is known as the free play.

The recommended free play for the rear brake pedal is 10-20mm. If the free play is uncertain, adjust it as follows:

- ① Loosen the lock nut of the rear brake lever.
- ② Rotate the rear brake adjuster nut: clockwise to reduce the clearance and counterclockwise to increase the free play.

▲ Caution

If the rear brake pedal travel is excessively large and cannot be adjusted, it indicates that the rear brake shoe wear has exceeded the limit. Inspect the wear condition of the rear brake shoe, and if the wear has reached or exceeded the wear limit, replace it.

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13. PARKING BRAKE



Pull the parking lever upwards, causing the pawl to engage with the toothed plate, moving it 4-6 teeth. Check if the rear wheels are securely locked. If there is excessive slack in the lever's travel, it should be adjusted to engage the brakes.

When adjusting the steel wire, loosen the nut, tighten the wire to the appropriate position, and then lock the nut.

14. INSPECTION OF STEEL PLATE SPRINGS

It is advisable to promptly replace the damaged steel plate spring bushing.

Before using a new vehicle or after reassembly, at intervals of 200 kilometers of driving, while in a loaded condition, inspect the U-bolts. Tighten the nuts evenly, repeating this process 2-3 times.

15. FRONT SHOCK ABSORBERS



During usage, it is important to diligently inspect the shock absorbers. In the event of any damage or malfunction, they should be promptly replaced. Additionally, it is recommended to regularly clean the front fork handle tube.

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16. REAR AXLE MAINTENANCE

After the vehicle has traveled approximately 250 kilometers (around one week), it is recommended to completely drain the lubricating oil from the rear axle differential and refill it according to the requirements specified in the table. Furthermore, after 500 kilometers of travel (approximately two weeks), the aforementioned maintenance should be repeated. A third round of the aforementioned maintenance is advised after driving 1000 kilometers. Subsequently, it is recommended to conduct maintenance every three months, including the replacement of the lubricating oil in the rear axle differential.

17. GENERAL INFORMATION

Dimensions: Length: 3190mm, Width: 1180mm, Height: 1340mm.
Top Speed: 50 km/h.
Payload Capacity: 700kg.
Vehicle Weight: 230kg.
Wheelbase: 950mm.
Motor Type: DC60/72V Cubic Magnet Motor.
Motor Optional: 1500W-2000W can be selected as an optional motor.

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18.BATTERY INSTALLATION REFERENCE

1: Due to the size constraints of the battery, the dual battery box is not suitable for installing a 32AH battery. However, other models are compatible.

2: It is strictly prohibited for the battery terminal clamp to come in contact with the battery terminal post when tightening the battery strap.

3: The layout of the battery connection wires should be tidy, aesthetically pleasing, and strictly avoid crossing each other (as shown in the diagram).

4: The internal compartment of the battery box must not be filled with any flammable substances to prevent hazardous situations from occurring.





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DEAR ESTEEMED CUSTOMER,

GREETINGS! WE DEEPLY APPRECIATE YOUR CHOICE TO PURCHASE AND UTILIZE OUR ELECTRIC TRICYCLE. OUR COMPANY TAKES PRIDE IN OFFERING CUTTING-EDGE DESIGN, IMPECCABLE CRAFTSMANSHIP, RELIABLE QUALITY, COMFORTABLE RIDING EXPERIENCE, AND HASSLE-FREE MAINTENANCE. OUR PRODUCT IS TAILORED TO MEET YOUR NEEDS IN TERMS OF TRANSPORTATION, SHOPPING, AND LEISURE ACTIVITIES.

OVER THE YEARS, WE HAVE INTRODUCED TENS OF THOUSANDS OF ELECTRIC TRICYCLES INTO THE MARKET, GAINING NOT ONLY THE FAVOR OF A VAST CUSTOMER BASE BUT ALSO BECOMING THE PREFERRED CHOICE FOR LIGHTWEIGHT TRANSPORT, CARGO CARRYING, AND PERSONAL MOBILITY.

WE FIRMLY BELIEVE THAT BY CHOOSING OUR ELECTRIC TRICYCLE, YOU HAVE ACQUIRED A DOUBLE ASSURANCE OF QUALITY AND SAFETY.

PLEASE NOTE THE FOLLOWING:

1. TO FACILITATE YOUR PURCHASE, MAINTENANCE, AND PROPER USAGE, KINDLY READ THIS MANUAL CAREFULLY.
2. PRIOR TO OPERATING THE VEHICLE, PLEASE ACQUAINT YOURSELF WITH ITS BASIC PERFORMANCE AND IMPORTANT CAUTIONS TO PREVENT DAMAGE TO VEHICLE COMPONENTS AND ENSURE PERSONAL AND PROPERTY SAFETY.
3. THE PRODUCT ILLUSTRATIONS IN THIS MANUAL ARE FOR ILLUSTRATIVE PURPOSES ONLY. PLEASE REFER TO THE ACTUAL VEHICLE MODEL AND CONFIGURATION FOR ACCURACY.
4. OUR COMPANY RESERVES THE RIGHT FOR THE FINAL INTERPRETATION OF THIS MANUAL.

SINCERELY,

[SICHUAN KAIXIAN SHUYU MOTORCYCLE CO., LTD.]