

ELECTRIC TRICYCLE



Warning

Before using this vehicle, please read the manual carefully. Before not understanding electric tricycle function, please don't be eager to use the electric tricycle.

Do not allow un-adult and the one who can not operate the electric tricycle to drive.

Please must check the brake function carefully before going out with the tricycle. If not in good condition, you must adjust or replace brake disk. Forbid using the vehicle when the brake is unwell.

Forbid overloading. Forbid stopping the motor in the situation of moving

When the electric system of the vehicle breaks down, forbid person dismantling and repairing without authorization.

Please don't ride the tricycle after taking medicine and drinking.

For use electric tricycle well and safely, users must read the operation and maintenance knowledge of battery, motor, controller.

Suggestion

For ensure safety of user, please observe local city traffic law.

Meet step, roadbed, the tricycle can't pass through by force, otherwise it will damage the parts seriously, may threaten the security of person.

Often carry on customary inspection to the tricycle; it makes the tricycle go safer and swifter.

Adopt accelerate slowly the method and go, can improve the mileages of continuation and battery life-span notably.

Must lock brake when stop the tricycle. Put every switch on closing position and pull out the switch key.

When replace battery, please check battery polarity carefully, can't opposite or mix connection!!

Catalogue

1、 products introduction.....	4
2、 main technical.....	5
3、 operation method.....	6
4、 charging.....	10
5、 maintaining.....	12
6、 trouble and getting rid method.....	13
7、 after-sale service.....	15
8、 circuit diagram.....	16

Products Introduction

The SYD-C series electric tricycle use battery has no pollution, low noise and saving energy, easy to operate, safe and reliable characteristic, it is a new transportation or tool instead of walk, SYD-C series is extensively suitable for factory, commerce, sanitation transportation and peasant's short-distance transport of villages and towns.

This tricycle use high-quality steel, environment-friendly paint. The tricycle install suspensions, which improve the function, make the tricycle durable and comfortable. This tricycle selects different power with high-efficiency direct current motor. This kind of motor has small current, big torque, strong load. The battery adopts the motive large capacity battery, has long performance life. The circuit contains opposite polarity protection, brake cut out automatically, easy operate, safe and reliable.

Main Technical

Model	KH01	
Speed/Load	Top Speed (km/h)	≤25km/35km/45km/h
	Continued trip mileage	≤40-55 km(according to battery)
	Max load capacity	≤800kgs
	Net Weight	250 kg
Battery/Motor	Battery	12v 20ah-32ah-45ah
	Battery Quantity	6 pcs
	Charge Voltage	110-220V,50HZ
	Charging Time	4-8 hours
	Motor Type	DC series excitation brushless
	Power (watt)	72V/3000W
Size	Front wheel size	3.75-12
	Rear Wheel Size	4.00-12
	Dimension	2650*1050*1650mm

	Carriage size	1250*1000*1240mm
Other	Transmission mode	Gear
	climbing ability	≤30degree
	Brake type	double rear drum brake
	Extra spare parts	Bluetooth, ventilation system, defog system

Operation Method

1. Inspection before using

No.	Inspection place	Inspection contents
1	turning	①turning flexible, ②no large space or loose
2	brake	①normal interval between hand brake and foot brake; ②lock cap between pole and connection is no loose, split pin does not fall off, ③brake flexible ④automatic turn

		off electric is normal or not
3	tire	①normal pressure, ②no chap and carve; , ③the fix screw of steel ring is no loose, no fall off or broken
4	Battery voltage	The battery voltage is normal, the voltage of 6pcs should be about 72V
5	light	The lights operation are all normal
6	horn	normal
7	All bolt and nut	no loose, no fall off
8	Chain drive	Elastic moderation、lubricating oil is normal

2. Start and operation

- lock handle brake, open key switch, ride steady and then unclamp brake, rotate the accelerator to inboard and then the tricycle can start slowly. The user should cooperate with foot in order to lighten the motor load when start.
- when meeting slope, adjust accelerator to the max position and cooperate with foot

(so as not to burn out motor and controller).

3. if meeting the tricycle is out of control during moving, please brake and lock the handle brake immediately. The user can unclamp the handle brake after closing the key switch and send the tricycle to repair.

4. Moderate and break away from the power first while needing to turn. Forbid turning under high speed.

5. Step on brake pedal can cut off power and the vehicle will brake.

6. please step on brake and pull out the key to stop the tricycle.

7. it is circuit brake above the key switch, when the electric current exceeds 30A; the power will be automatic disconnection. Please check out the reason and fix breakdown and then push the restored button to restart.

3. Notes

1. Under normally go, the voltage instruction will show: 36V voltage drop to 31.5V. It shows the electricity has already been used up when drops to 21V of 24V voltage. The tricycle should be charged in time.
2. When the vehicle turns, the user should slow down in advance in case the side turns over.
3. Wash car or on rainy day, the user should prevent electric system enter water or moist.
4. Don't turn around the accelerator strong in case the out of control.
5. Forbid over time over load. The user should help by hand in order to lighten motor workload
6. Under normal going, if the car still going after starts brakes, the user should turn off the power immediately. And use it again after get rid of the breakdown

Charging

Please twist all switches to "closing "or" stopping " before charge.(charger switch exception) and pull out the key switch at the same time, open lid of battery box.

1. Outside charger method: first make the plug of output end of the charge insert the socket of the charger on the tricycle. And then insert the socket of the charger input terminus on the power of 220V, open the power switch. The voltmeter beside charge mouth should have voltage instructions at this moment. (Close the power switch while stopping charging. first pull out the 220V power and then pull out charge plug). For details, please refer to battery operation instructions.

2. About charging and using general knowledge and please read "answer user's questions "carefully.

Notes:

1. The vehicle that has used should be charged in time, otherwise will influence the life of the battery.
2. The electrolytic liquid in the battery will volatilizes because of using and generating heat, the liquid will be reduced. Please check the location of liquid regularly, and supplement distilled water to the fixed line in time. Forbid using all other water and add the electrolytic liquid at will.
3. Use vehicle for a long time, should keep the tricycle in sufficient electricity. And please also charge the battery every half months.
4. There can't be flame nearby while charging in case the battery bursts.
5. It should guarantee the battery cover give vent smoothly and Open the lid of the battery, so as to ensure to dispel heat and distribute the waste gas.
6. Must use matched charger while charging, otherwise maybe damage battery, charger even controller. User should conceit the consequence.

Maintaining

1. Keep the vehicle neat and clean, the transmission is lubricated flexibly, the brake is safe and reliable. All bolts, pins, transmission poles must be intact; each fastening position is no loose. If discover the problems and should overhaul in time.
2. The new tricycle needs to do a systemic inspection after using one week, fix all fastening position, special to break system in order to guarantee the security.
- 3.Keep the surface of battery clean and dry, reduce partly discharge by itself, forbid iron or conductive body to fall in the battery box, in case cause the short circuit.
4. The user should begin to check the wearing condition of the back carbon brush of the motor frequently after 3 months.
5. Frequently check the head bolt of battery is flexible or not.
6. Should lubricate the bearing, sprocket, roller chain with lubricating grease, engine oil separately.
7. Should avoid putting the vehicle under high-temperature, burning sun and

rainwater for a long time, so as not to cause the damages to motor.

Trouble and Resolve Method

Troubles	reason	Resolve method
The voltmeter has no instruction after putting through the power	<ol style="list-style-type: none">1.The battery connection kept in badly touch2.The fuse is broken3.The connection of voltmeter takes off the line	<ol style="list-style-type: none">1.Fasten again2.Change the fuse3.Join again
Has voltmeter instruction, but the accelerator can not make the vehicle move	<ol style="list-style-type: none">1. The brake switch has not been restored2. some switch put at " stop ", " close " position3. The battery is too low in voltage4.Controller,accelerator	<ol style="list-style-type: none">1.Adjust the journey switch and regulate the bolt2.The shelf switch is put in the suitable position3.Charge again

	damage	4.replacethe controller&accelerator
Open key switch, the vehicle move and out of control	1.Controller is broken 2.Accelerator is broken	1.Replace controller 2.Replace accelerator
There are voltage instructions, but voltage return zero after start vehicle	1.the line on the battery breaks 2.The battery has scrapped due to long time	1.Join again 2.replace the battery
Can not charge	1.Charge fuse is damaged 2.The circuit or electric component is damaged	1.Replace fuse 2.Repair the circuit
It is out of power when the vehicle goes	1.battery is insufficient 2.the wheel has resistance and brake is out use 3.the motor is burnt	1.charge battery 2.inspection and adjust 3. Repair or change

After-sale service

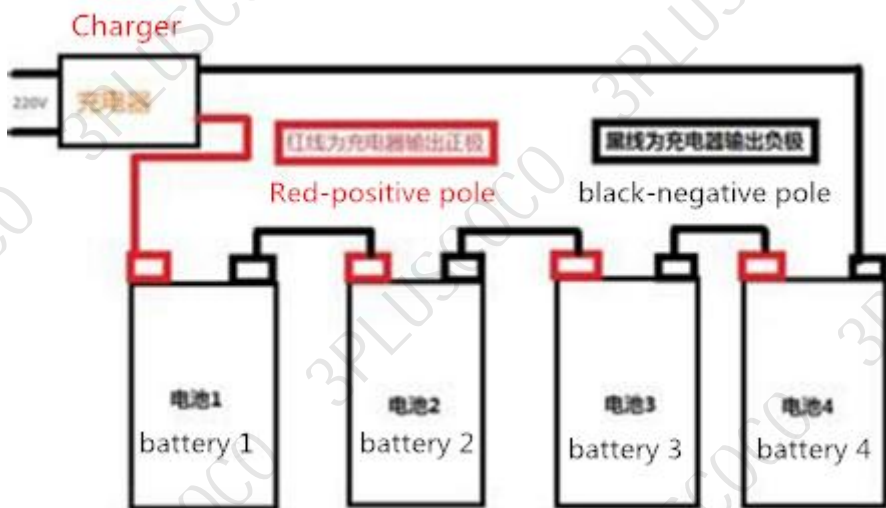
The guarantee terms are given as follows specifically:

1. six months for motor.
2. six months for charger and motor controller.
3. six months for battery.

Do not belong to the range of guaranteeing:

1. Improperly use, overload or electric part enters water causes the motor or speed adjust controller damaged
2. Because of colliding or accident causes frames or electric apparatuses damaged
3. use the charger incorrectly that causes the charger burn
- 4.the easy worn parts of the tricycle such as journey switch, electric apparatus switch, lights, horn, accelerator, tire, steel wire, bearing, chain and transmission parts
6. Exceed the regulation and guarantee time limit.

Batteries Diagram



After-sale service Card

Model		NO.			
User Name		Telephone			
seller		Seller's Seals			
Selling Date					
Invoice No.					
Seller Name					
Telephone					