**Three wheeler Modification Project**

**Converter User Manual**

Main selector switch

* Reversing
* Go ahead
* Gap

Important safety tips

1. After the newly installed controller is installed, drive for one kilometer to check whether the phase line is hot. If it is hot, stop immediately and consult the manufacture.
2. It is strictly forbidden to reverse the positive and negative poles. The voltage of the alarm power line and the positive pole are the same. Connect, Short, cut wire, none.
3. When wiring, please read the instruction manual in detail, find a professional to disassemble, dismantle and cut knots. The manufacture does not sell
4. It is strictly forbidden to use overpressure and over load and it is strictly forbidden to sack in water. The controller should pay attention to ventilation and heat dissipation.
5. The controller does not need recognition when it is normal use. If phase recognition is required, the tires must be dangling.

Signal light indication information

1. The indicator light is off, the power supply is connected incorrectly. Check whether the power supply and electric door lock are connected correctly.
2. Slow flashing 1 time Normal (1 time per second).
3. Slowly flashing 2 times for brake failure or incorrect wiring. Disconnect the high and low wires of the controller.
4. Slowly flashing 6 times. The angel between motor and motor hall is incorrect, and the phase recognition intelligently recognizes the phase.
5. Slowly flash 8 times for battery under voltage, charge or confirm whether the battery voltage matches the controller.
6. Flashing 2 times quickly, the handle is faulty or the wiring is incorrect.
7. Fast flashing 7 times, intelligent identification is successful (only dual mode controllers)

How to identify

1. County treasure tires for vehicle.
2. Five thick wires (power supply positive and negative phase wire ABC) electric door lock hall wires are connected well. The function line is disconnected.
3. Unlock and power on.
4. Opposite phase identification line (yellow male and female connectors)
5. The motor (tire) rotates by itself, such as the motor reverses, disconnection recognition or plug-in again.

Zion Chi intelligent Brushless High Power Controller

Voltage: 60V Power: 3000W Phase: Dual Mode

Model: YG36K96030

Function: reversing half-speed reversing voice

Security code: 390987680897603169

Order date: 2019-03

Connection Wires in controller

1. Indicator light (Black, Red)
2. Hall meter (Ash)
3. Reverse gear line (white, blue, black, red ,red)
4. High level (yellow)
5. Alarm line (orange, ash, blue)
6. Hall line (blue, green, yellow, black, red)
7. Electric door lock wire (red)
8. Hard and soft starter (green, black)
9. Ordinary instrument (purple)
10. Low level (white, black)
11. Phase recognition (yellow, yellow)
12. Alarm power (red, black)
13. Backup horn (blue)
14. Voltage switching (red, black)
15. Turn the line (black, green, red) red=+5 black=0 green = signal

BLDC break systems

https://thesixtech.com/blogs/thesix-blog/tagged/breaking-methods