

YALU WENZHOU YALU ELECTRIC CO.,LTD

24V 250W Controller Main technique parameter:

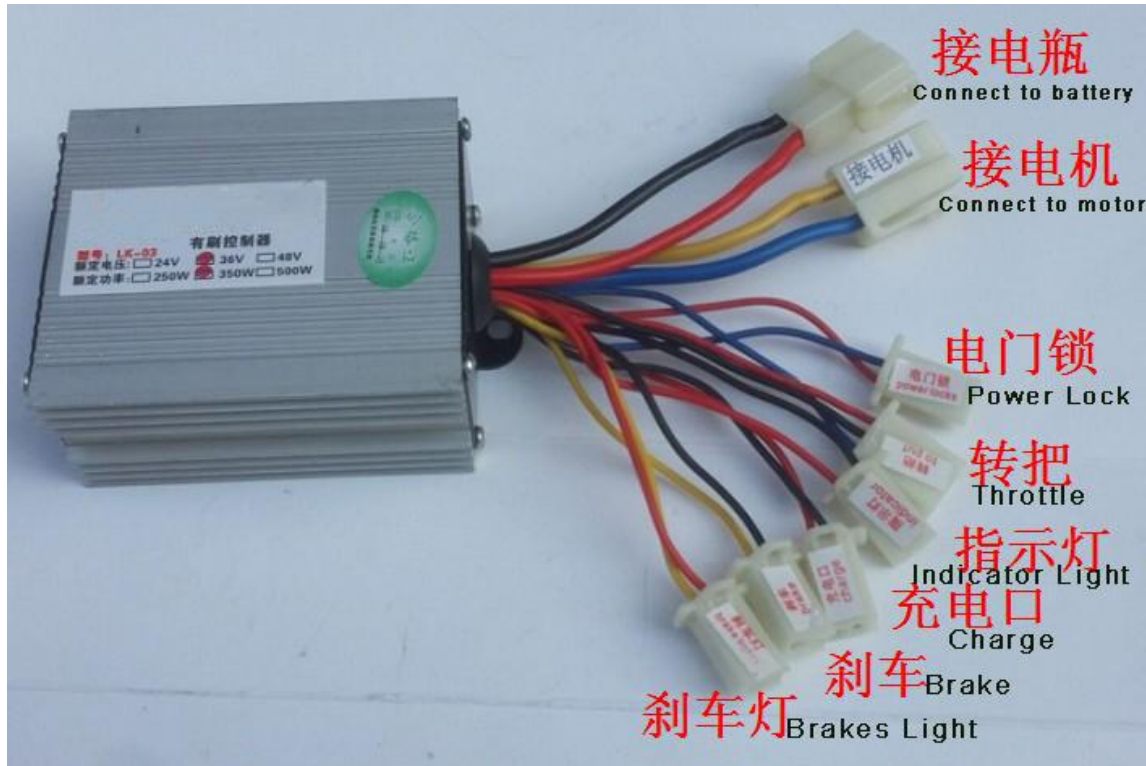
Controller type	Brush type	Rated voltage	24V
Rated power	250W	Throttle potential	5V
Undervoltage protection	19-20.5V	Current limiting protection	19A-21A
Adaptation motor	24V250W	Ambient temperature	-20℃--45℃
Brake potential	Low level brakes	Size:	7.5*5.3*2.1

Functional description:

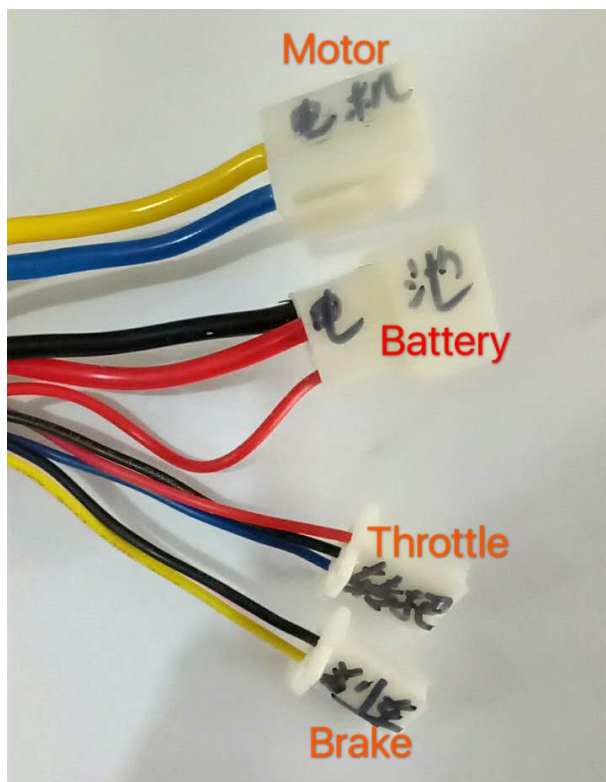
1. Electric: When the rider riding, only need turn throttle can control the speed of electric vehicles.
2. Under-voltage protection: When the power supply voltage is lower than the set under-voltage value, the controller enters the under-voltage protection state, the motor stops and the under-voltage light is on, thus protecting the battery and prolonging the battery life.
3. Current limiting protection: Limits the maximum current value of the controller output (typically 2-2.5 times the normal operating current) to protect the battery, controller and motor.
4. Suitable used to: Scooter
5. Wiring Instructions
Motor : (Thick yellow wire is negative wire, Thick blue wire is positive wire);
Power: (Thick black wire is negative wire, Thick red wire is positive wire);
Braker wire: (Thin black, yellow);
Throttlet (Thin red, blue, black)
Charger port wire, braker light, power lock, indicator light.

Controller Wiring Instructions

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When 4 port wires controller as this picture:



The controller's wiring function:

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1. Red black wire(red positive black negative);
2. motor wire
3. speed throttle.
4. Indicator ;
5. Charger
6. power lock
7. Brake
8. Brakes light.

Special Note: the power supply line positive and negative cannt connection wrong, otherwies will burn out.

The Controller wiring instructions:

As the above controller example, to work on the motor at least to connect the four joints, Firstly,the controller two crude bule wire and yellow wire connect with motor.The blue wire connect with red wire of motor, the white wire connect with the black color of motor.

Then the controller two crude red wire and black wire connect with battery. The red wire connect with battery positive electrode, the black wire connect with negative electrode.

Thirdely,connect with throttle (the throttle have three wires,it must need red connect with red wire,black connect with black wire).

Then connect with the power lock, open the power lock,rotate throttle then the motor can start work.



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- | | |
|---------------------------------|----------------------------------|
| 1. black&red - battery | 2. blue&white(or yellow) - motor |
| 3. yellow&black - brake | 4. blue&red - key switch |
| 5. blue&red&black - accelerator | 6. red&black - headlight |
| 7. red&black - charging port | 8. red&black - brake light |

there are labels on connector 6/7/8