

VEVOR®

Brushless DC motor

BLDC:BY-MY 1020D



Configuration list

1. Motor
2. The controller
3. Throttle
4. Step on the throttle
5. Model: 78F chain
6. Charging port
7. Reverse key
8. Electronic key
9. Instrument
10. Wiring box
11. Hardware tools
12. Cable

Need help? Please contact us!

Have product questions?Need technical support?

E-mail:CustomerService@vevor.com

Please read all manual instructions carefully before operating. VEVOR reserves clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there is any technology or software updates on our product.

Safety recommendations

⚠ WARNING: Before operating the motor, make sure to read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire or serious injury.

CAUTION RECOMMENDATIONS

- All machine operators should be trained and certified in electrical skills.
- Before unpacking the motor, check whether the package is intact and damaged, and whether there is moisture. After opening the cover, carefully remove dust from the motor.
 - Installed in dry, less dust place;
 - Installed in a well-ventilated place;
 - Installed in a ride and smooth place, convenient for daily operation and maintenance.

SPECIFICATIONS

Motor Model:BY-MY 1020D

Rated Voltage	48V DC
Max Voltage	1800V
Rated Speed	4500RPM
Rated Torque	4N·m
Rated Current	33A
No-load Speed	5600RPM
No-load Current	≤4A
Motor Efficiency	≥85%
Sprocket Number	78F-9T
Recommended Gear Multiple	≥6 Times
Recommended Load Weight	≤150KG
Size	134mm×107mm×110mm
Weight	4.25KG
Range of application	Small electric car, Electric bicycle, Electric go-kart, Electric scooter.....

Controller Model:BY12WF02-C

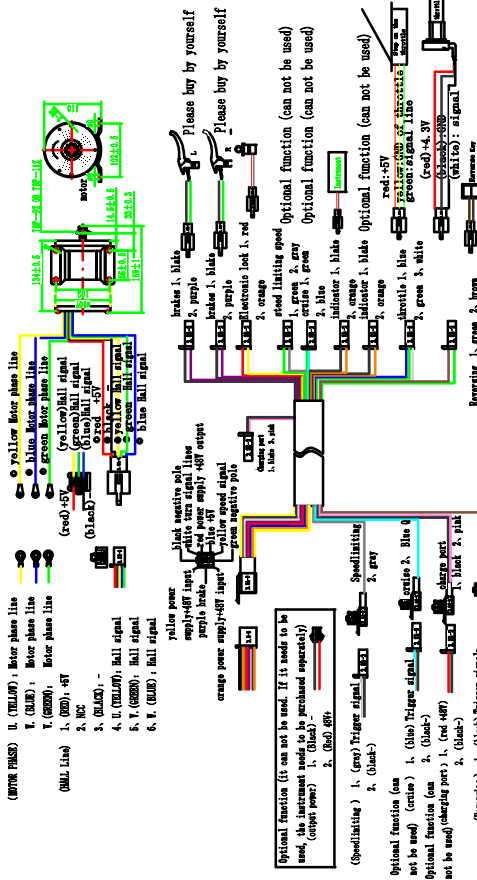
Rated Voltage	48V DC
Max Voltage	1800V
Rated Current	33A
Brake	BRAKE LOW LEVEL
Under Voltage Protection	39V
Working Temperature	-40℃~110℃
Size	150mm×85mm×45mm
Weight	0.55KG

INSTALLATION

SPECIFICATIONS

Function description of controller outgoing line
Left and right corresponding connection

The first step:



CCV connection mode

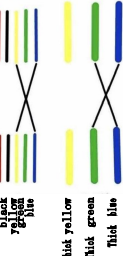
Motor phase lines are three thick lines.
Motor coarse yellow and controller coarse yellow connection,
Motor rough green is connected with controller rough blue,
Motor rough blue is connected with controller rough green.

Ball line of motor is five core wire.

Motor fine red and controller fine red connection,
Motor fine blue and controller fine blue connection,
Motor fine green and controller fine green connection,
Motor fine yellow and controller fine yellow connection,
Motor fine black and controller fine black connection.

Motor

Controller



The second step:



The last step:



The electric door lock must be opened, or the red wire and the orange wire must be connected by a short circuit

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