



GO-M8010-6 Motor

$369.00 USD

Ready to ship

Free Shipping

Tax included

Description

The GO-M8010-6 permanent magnet synchronous motor is designed for high-performance robots and provides a strong driving force with a high level of integration.

- Bionic Robot Joint Motor
- Flexible Adaptive Joints
- Strong Driving Force
- Highly Integrated
- Precision Bearing
- Temperature Sensor and Position Sensor
- Low Copper Consumption Coil
- High-speed Communication

The motor is perfectly matched to the reduction. It has a built-in FOC control algorithm, a built-in temperature sensor and an absolution value encoder. It is the first choice for robot competitions, DIY creation, scientific research and education, robotics field, etc.

Brushless High Speed Motor Strong Driving Force, Longer Service Life
Excellent in Black Technology——Professional Magnetic Circuit Design
Stable with High Performance——Motor Streamline Calculation
Intelligent with Real Strength——Temperature Monitoring Sensor

Quantity

1

Add to Cart

Buy it now

Secure Payments By: PayPal

Strong Driving Force

Highly Integrated

Precision Bearing

Temperature Sensor and Position Sensor

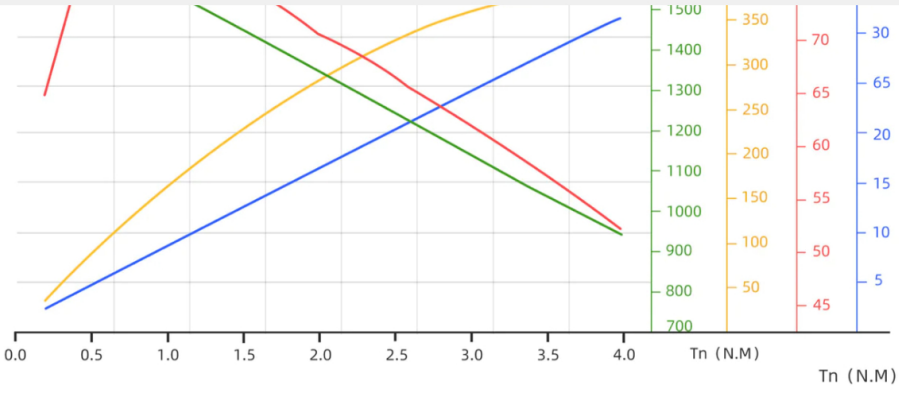
Low Copper Consumption Coil

High-speed Communication

The GO-M8010-6 permanent magnet synchronous motor is designed for high-performance robots and provides a strong driving force with a high level of integration.
The motor is perfectly matched to the reduction. It has a built-in FOC control algorithm, a built-in temperature sensor and an absolution value encoder.
It can be widely used in various robot joints and power components.
It is the first choice for robot competitions, DIY creation, scientific research and education, robotics field, etc.

Brushless High Speed Motor Strong Driving Force, Longer Service Life

FOC Control Characteristics Graph

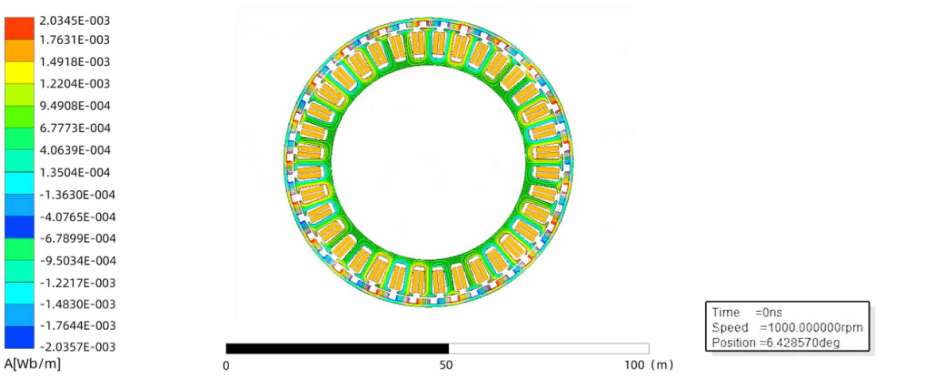


It provides stronger driving force. The maximum torque of 23.7 NM and the maximum speed of 30 rad/s can be reached at a reduction ratio of 6.33 (Note: Measured at 24℃).

Tn (N.M)

Excellent in Black Technology——Professional Magnetic Circuit Design

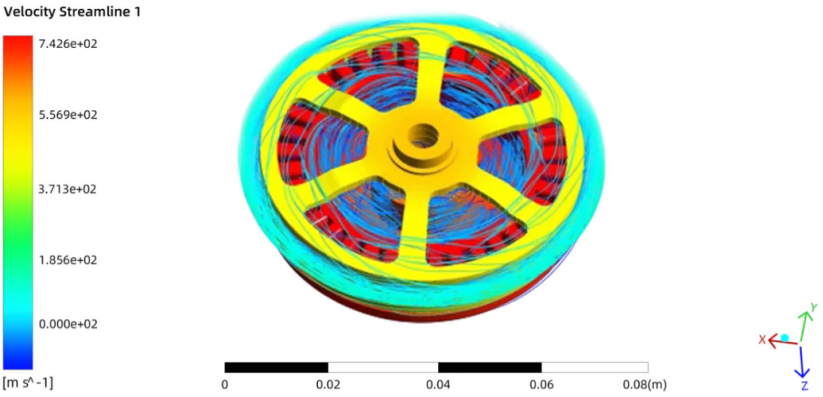
Improve the flux utilization, sine the counter electric potential, low Cogging Torque



Stable with High Performance——Motor Streamline Calculation

Motor Streamline Diagram

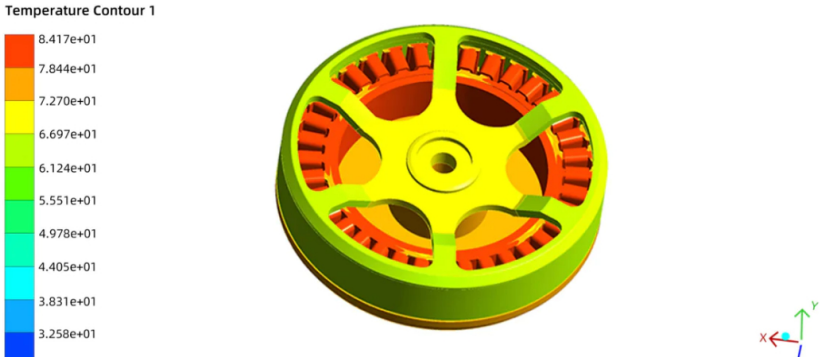
Thousands of times of motor streamline calculation ensure the stability and reliability of the motor in any moving state



Intelligent with Real Strength——Temperature Monitoring Sensor

Temperature Monitoring Sensor

The motor comes with its own temperature monitoring sensor which can effectively prevent the motor from being damaged due to abnormal temperature



High-quality Windings and Stators

The electronic wire adopts dip paint technology to better dissipate heat from the motor temperature.

Single-strand winding reduces resistance loss and reduces the current interference between copper wires while making the motor more beautiful.

The stator has electrophoresis and high-temperature coating process that can pass the 48 hours salt spray test with the superior rust resistance and Insulation performance.

The 0.2 mm silicon steel sheet material is selected to reduce iron consumption.

GO Motor

Model GO-M8010-6	Weight About 530g
Maximum Current 40A	Maximum Rotational Speed 30rad/s (@24VDC)
Reduction Ratio 1:6.33	Size 96.5x92.5x42.3mm
Maximum Torque 23.7NM	Torque Constant 0.63895Nm/A
Communication Mode RS-485	Communication Baud Rate 4Mbps
Communication Control Frequency 6000Hz	Motor Encoder Resolution 15bit
Operation Environment -5°C ~ 40°C	Working Voltage 12V～30VDC 24VDC recommend

Motor Perceptual Feedback
Torque, Angle, Angular Velocity, Angular Acceleration, Temperature

Motor Control Instruction
Torque, Angle, Angular Velocity, Stiffness, Damping

You may also like

Unitree 4D LiDAR L1
From $349.00 USD

Unitree B1
From $100,000.00 USD

Unitree Z1
From $12,999.00 USD

Unitree Go1
From $2,700.00 USD

Professional Service

Custom Robots

Tech Support

Official Website

INFO

About Us
Blog
FAQ
Contact us
Become A Distributor

SERVICE

Privacy Policy
About Payment
Shipping Policy
Terms of Service
Return&Refund policy

Contact Us

Email: Laikago@unitree.cc

Address: 3rd Floor, Building 1, 88 Dongliu Rd, Binjiang District, Hangzhou, Zhejiang, China

Phone: 15776583869

United States (USD $)

Chat with us 👋

1