

INDUSTRIAL PRODUCT DATASHEET

reBot Arm B601-RS Body Motor Kit

A fully open-source DIY robotic arm kit with high-performance ROBSTRIDE motors, comprehensive assembly tutorials, and support for mainstream robotics frameworks.

SKU

100091952

UPDATED

2026-08-10 10:00:40

PRICE

\$929.00(Excl. VAT)



Overview



The reBot Arm B601-RS Body Motor Kit includes 3 ROBSTRIDE 06 and 3 ROBSTRIDE 00 high-torque, low-noise motors, delivering stable and precise power output. It is a fully open-source robotic arm with detailed assembly tutorials, supporting ROS1/2, Isaac Sim, LeRobot, and Pinocchio frameworks, and providing constant content updates.

Key Features

Body Motor Kit: This kit includes 3 ROBSTRIDE 06 and 3 ROBSTRIDE 00 motors, representing the most popular combination of Lingzú Robstride robotic arm motors on the market.

Fully Open-Source: A truly 100% open-source robotic arm in terms of both hardware and software. It includes the BOM list, hardware drawings, software, and algorithms, everything you need.

Detailed Assembly Tutorials: Provides extremely detailed illustrated and video assembly tutorials, wiring instructions, calibration procedures, and environment deployment tutorials, lowering the entry barrier for robot development.

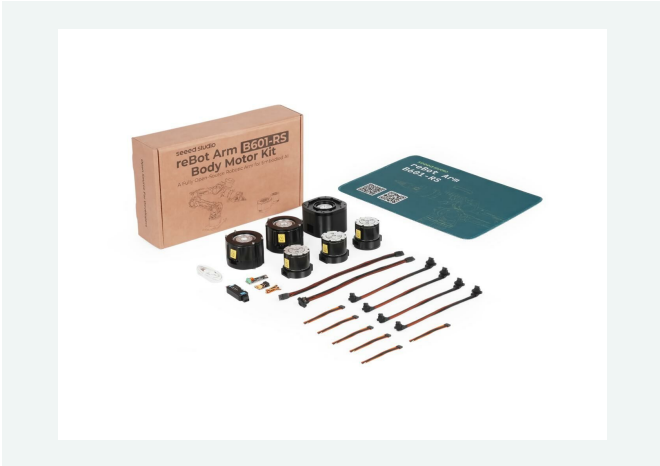
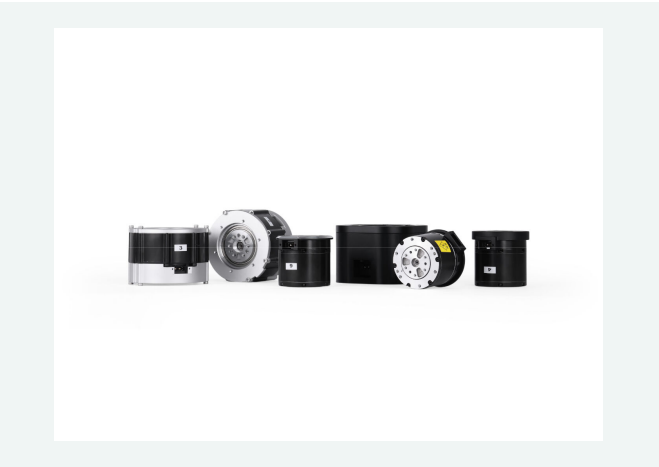
High-performance motors: The reBot Arm B601-RS uses 4 RS 00 motors and 3 RS 06 high-torque, low-noise high-performance motors, providing the robotic arm with stable and precise power output..

Framework Compatibility: Supports mainstream robotics development frameworks such as ROS1/2, Isaac Sim, LeRobot, and Pinocchio.

Constant Content Updates: As the project progresses, we will gradually update the latest algorithms and launch a series of completely free courses.

This product is a DIY kit (not a finished product) requiring self-assembly, wiring, and debugging, with risks of personal injury (e.g., pinching, impact) and property damage. By purchasing, you confirm you have read, understood, and accepted all terms, and voluntarily assume all risks during assembly and use. This product is only for professionals with robotics, electrical, or mechanical expertise; minors and persons with no/limited civil capacity are strictly prohibited from operation. Follow the manual strictly for assembly, calibration, and setup. We only warrant core components against factory material defects (1-Month Warranty for Un-assembled Version | 6-Month Warranty For Assembled Version) and accept no liability for any personal injury or property damage. For full terms, refer to the attached Mechanical Arm DIY Kit - Safety Disclaimer and Risk Notice.

Product Gallery

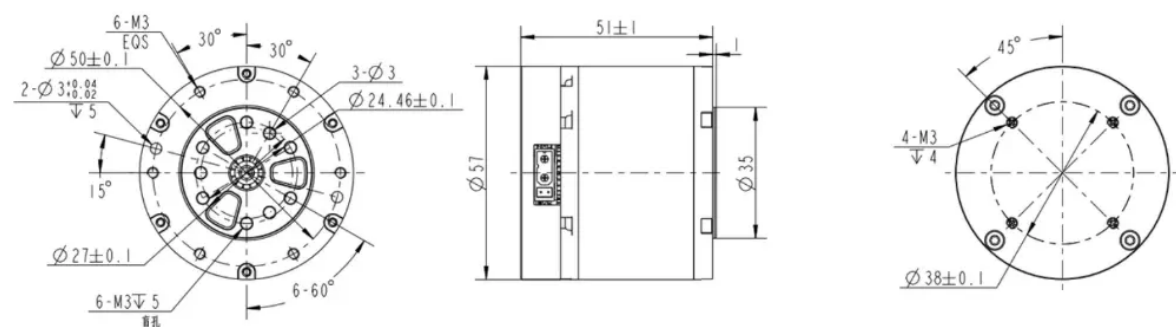
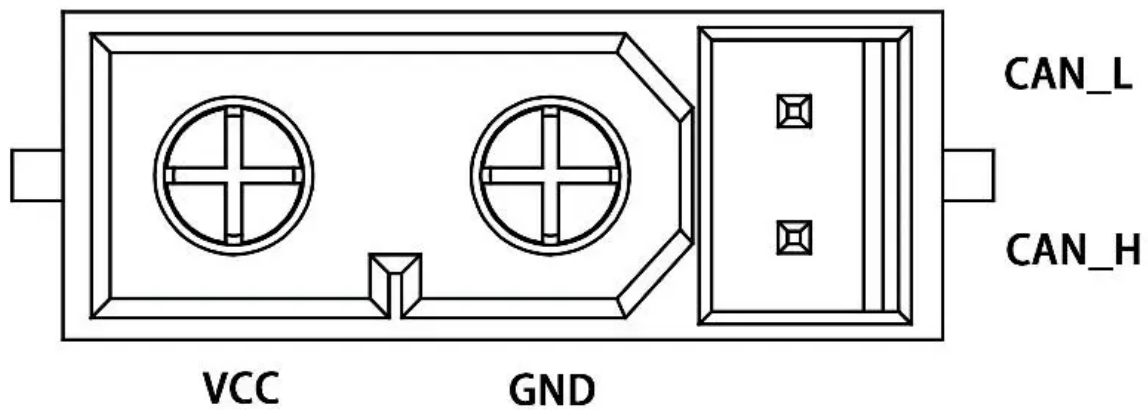
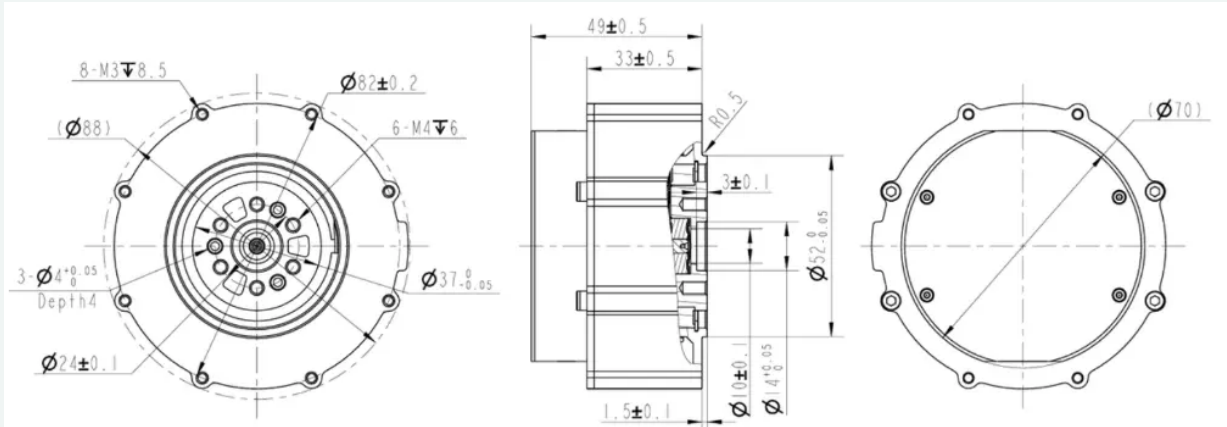


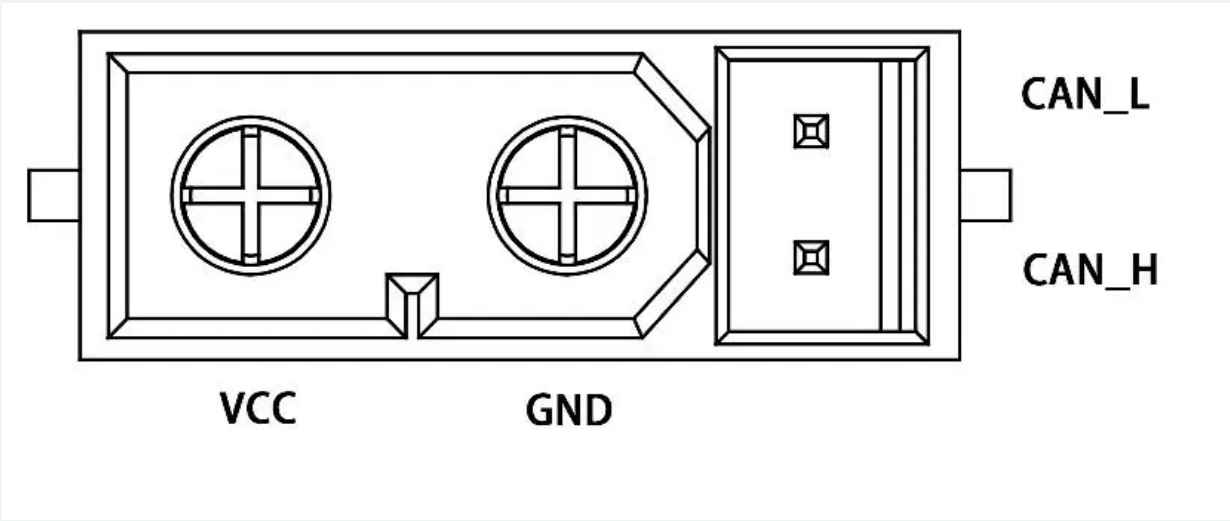
Specification

Product	RobStride 00 Motor	RobStride 06 Motor
-	-	-
Voltage Range	24-60V	15-60V

Operating Temperature	-20°C~50°C 	-20°C~50°C
Mechanical Dimension	57mm x 57mm x 51mm	88mm x 88mm x 49mm
Communication Interface	CAN 	CAN
Gear Ratio	1:10	1:9
Rated Output Power	136W (Calculated based on Rated Load 5N.m @ 260rpm)	115 W (Calculated based on Rated Load 11N.m @ 100rpm)
Rated Torque	5 Nm	11 Nm
Peak Torque	14 Nm	36 Nm
Pole pair	14	14

Hardware Overview





Part List

Item Name	Quantity
-	-
RobStride 06 QDD 36 N.m integrated actuator module (pre-assembled)	3
RobStride 00 QDD 14N.m integrated actuator module (pre-assembled)	3
RobStride USB-CAN Driver Board	1
CANABLE	1
XT30 2+2 Power Separation Board	1
Wire kits	1
Mouse pad	1

Compliance & Logistics

HSCODE	8501310000
USHSCODE	8501316000
UPC	
EUHSCODE	8501109390
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/reBot-Arm-B601-RS-Body-Motor-Kit-p-6867.html>
- https://wiki.seeedstudio.com/rebot_b601_rs_getting_started/

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