

Battery-operated, Compact, and Lightweight Brushless Motors in the Era of Advancing Automation

Brushless Motors

BLV Series R Type

Products for Mobile Automation

- Output Power: 100 W, 200 W
- Compact, lightweight driver
(W65 mm×D75 mm×H29 mm, mass 0.12 kg)
- Power supply input: 24~48 VDC
- Electromagnetic brake type is available

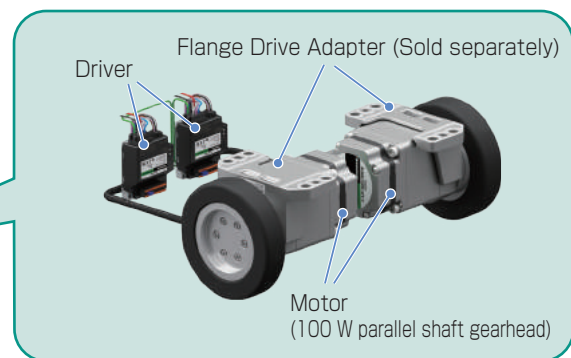
● "Products for Mobile Automation" is a product group with a shared concept of battery-operated, compact, and lightweight products. Optimal for self-propelled equipment. These products meet the needs of flexible automation lines and mobile automation.



Compact, Lightweight, and High-power Designed for Compact Equipment



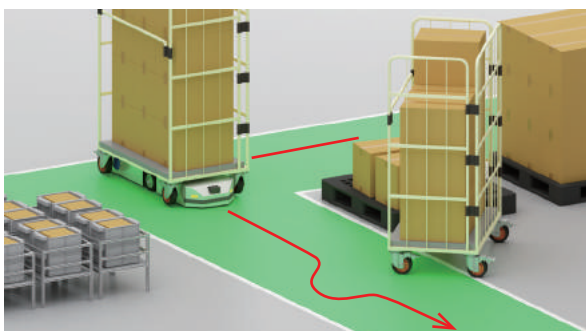
Transportation robots for flat, transportable masses can be designed



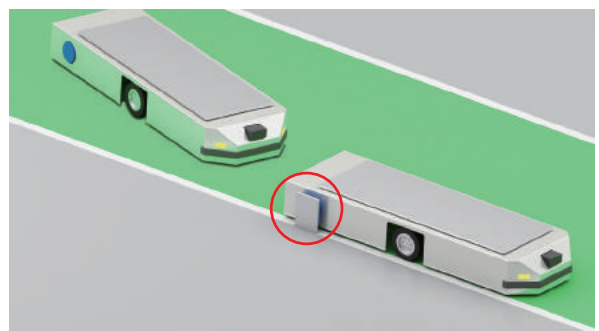
● The flange drive adapter is for use with parallel shaft gearhead motors with an output of 100 W.

Wide Speed Range, Smooth Motion, Current Position and Position Feedback is Possible

- Broad speed control range of 1~4000 r/min. Smooth performance is possible throughout the entire speed range.
- Current position and position feedback is possible from increased motor resolution.



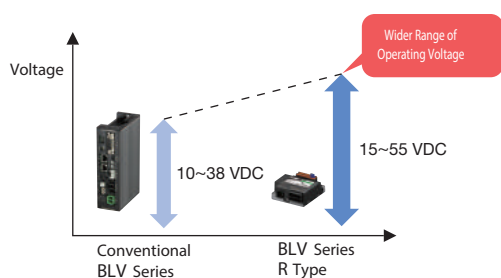
Smooth performance while avoiding obstacles



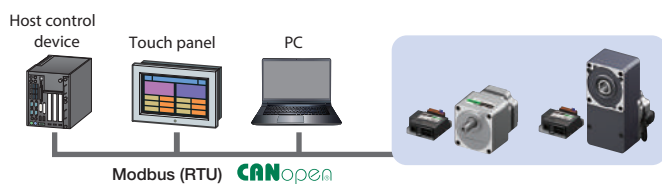
Able to position at a target position, charging station or load loading station is possible.

A Wider Range of Operating Voltage Supports Real World Battery Use.

Compatible with 24~48 VDC batteries.



Compatible with Modbus (RTU) and CANopen Communication



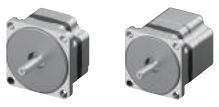


Product Line

Please purchase the motor, driver, connection cable, and power

supply cable separately.

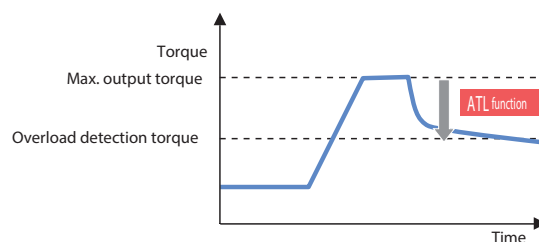
Motors

Output Shaft Type	Output Power [W]	Frame Size [mm]	Gear Ratio
Parallel Shaft Gearhead  With Electromagnetic Brake	100	90	10 ~ 100
	200	110	
Hollow Shaft Flat Gearhead  With Electromagnetic Brake	100	90	10 ~ 200
	200	104	10 ~ 100
Round Shaft Type  With Electromagnetic Brake	100	90	—
	200	90	

Two motor cable drawing directions to choose from

Various Recommended Functions

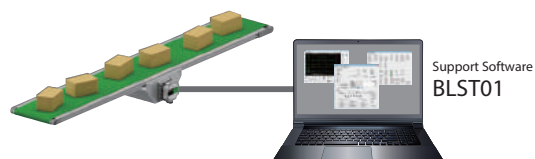
Holding when stopped without an electromagnetic brake
ATL function that automatically limits output torque




Support from Startup and Operation to Maintenance with the Support Software

BLST01

Conditions checked with various monitors



Driver

	Power Supply Voltage [VDC]	Output Power [W]
	24/48	100
		200

Connection Cables

	Length [m]
	1, 2, 3

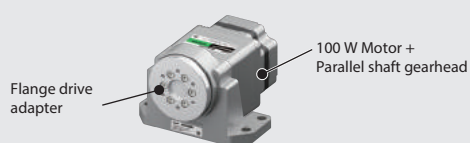
Power Supply Cable

	Length [m]
	0.6

Flange Drive Adapter (Sold separately)

Greatly increased permissible load. Recommended for rotating he

avy loads.



Scan / Click me