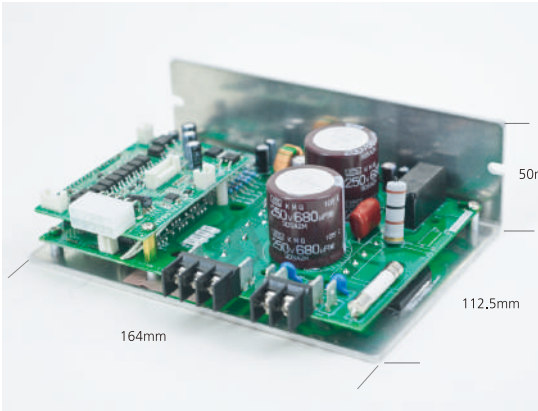




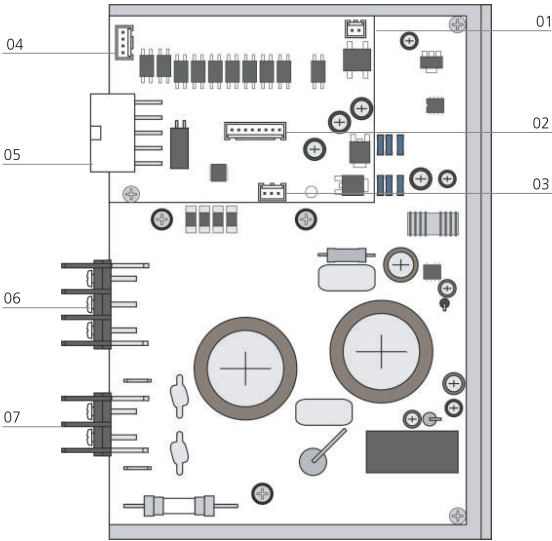
AL Series

AC Power Input, Output Power 200 ~ 750W

Motor Output Power	Motor Model	Driver Model	Rated Input Current (A)	Maximum Input Current (A)	Rated Torque (Nm)	Peak Torque (Nm)	Permissible Load Inertia ($J \times 10^{-4} kg \cdot m^2$)
AC110V±15% , 50Hz / 60Hz							
350W	BL90-A350-□□	AL-A350	9.57	19.14	1.1	2.2	9.2
400W	BLA4-A400-□□	AL-A400	10.94	21.88	1.25	2.5	10.03
500W	BL90-A500-□□	AL-A500	13.68	24.49	1.57	2.81	11.33
AC220V±15% , 50Hz / 60Hz							
350W	BL90-C350-□□	AL-B350	4.79	9.58	1.1	2.2	9.2
400W	BLA4-C400-□□	AL-B400	5.47	10.94	1.25	2.5	10.03
500W	BL90-C500-□□	AL-B500	6.84	13.68	1.57	3.14	13.01
750W	BLA4-C750-□□	AL-B750	10.26	20.52	2.33	4.66	18.58



Names and Functions of Driver Parts



- 01. Control Power Connector
- 02. Input/Output Signal Connector
- 03. External Analog Input Connector
- 04. LED Connector
- 05. Motor Signal Connector [Hall]
- 06. Motor Output Terminals
- 07. AC Main Power Input Terminals

Variable Speed Range * ¹		250 ~ 3000 (4000) r/min	
Speed Regulation	Load	±1% max (0 ~rated torque, rated speed, rated voltage, 25°C)	
	Voltage	±1% max (voltage variaion±15%, no load, rated speed, 25°C)	
	Temperature	±1% max (0 ~ 50°C, no load, rated speed, rated voltage)	
Speed Control Method		Analog Setting* ² • Potentiometer(5kΩ) • External DC Voltage(0~5VDC or 0~10VDC)	
Slow Acceleration Time		0.2 ~ 10 sec (from 0~3000 r/min, no load) (1 Digital Setting)	
Slow Deceleration Time * ³		0.2 ~ 10 sec (from 3000~0 r/min, no load) (1 Digital Setting)	
Input Signal * ⁴		■ 3 points, Input function can be customized. Activated by the photocoupler, input resistance 2kΩ. ■ Internal Power: 12VDC, 30mA ■ SOURCE connection.	1. [START/STOP] 2. [CW/CCW] 3. CW/STOP 4. CCW/STOP 5. FREE 8. [ALARM RESET]
Output Signal * ⁴		■ 1 point , Output function can be customized. Open Collector Output. ■ External Power: 12 ~ 24VDC, 30mA max. ■ SINK connection.	1. BUSY OUT 2. [PULSE OUT] 3. ALARM OUT
Brake		None (can NOT brake)	
Protect Function		■ Over Voltage ■ Under Voltage ■ Over Current	■ Over Load ■ Driver Over Temperature ■ Motor Over Temperature ■ Feedback Signal Fault (Hall Signal Fault) ■ Excessive Speed ■ EEP Data Error
Operating Environment Conditions	Ambient Temperature	-20°C+50°C (External cooling is required when the environment temperature is higher than 40°C)	
	Humidity	< 85 % RH (non-condensing)	
Dimension		164mm * 112.5mm * 50mm	
Other Functions		-	

*1. The maximum speed is limit by the selected motor. It can be set to 3000 or 4000 r/min.
*2. The default setting of External analog input voltage is 0 ~ 5 VDC. It can be customized to 0 ~ 10 VDC.
*3. The default acceleration and deceleration time is 2 sec. It can be customized.
*4. The function in brackets [] are default settings, more functions can be customized.