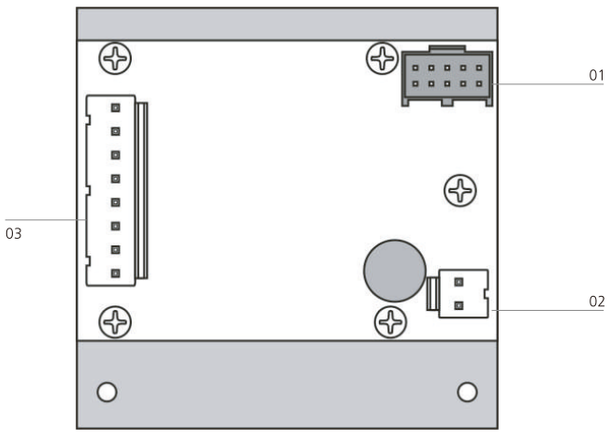
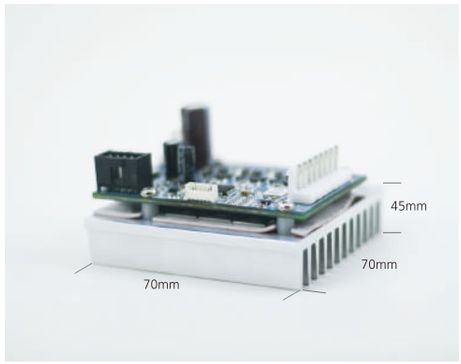
CD Series DC Power Input, Output Power 15 ~ 80W

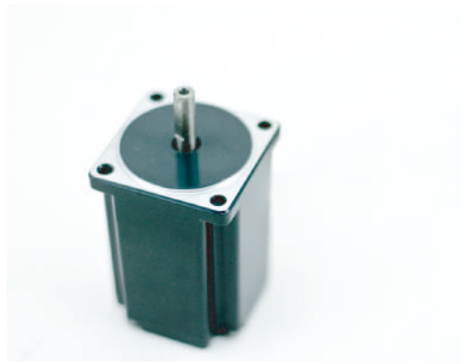
Motor Output Power	Motor Model	Driver Model	Rated Input Current (A)	Maximum Input Current (A)	Rated Torque (Nm)	Peak Torque (Nm)	Permissible Load Inertia ($J \times 10^{-4} kg \cdot m^2$)
DC24V±15%							
15W	BL42-K015-□□	CD-K015	0.94	1.88	0.05	0.1	0.49
30W	BL42-K030-□□	CD-K030	1.88	3.76	0.1	0.2	0.98
40W	BL60-K040-□□	CD-K040	2.51	5.02	0.13	0.26	1.22
75W	BL90-K075-□□	CD-K075	4.7	7.99	0.24	0.41	1.44
80W	BL60-K080-□□	CD-K080	5.02	7.03	0.25	0.35	1.58

Names and Functions of Driver Parts



01. Input/Output Signal / External Analog Input Connector
02. DC Main Power Input Connector
03. Motor Output / Motor Signal Connector





Variable Speed Range *1	250 ~ 3000 (4000) r/min	
Speed Regulation	Load	±3% max (0 ~rated torque, rated speed, rated voltage, 25℃)
	Voltage	±3% max (voltage variaion±15%, no load, rated speed, 25℃)
	Temperature	±3% max (0 ~ 50℃, no load, rated speed, rated voltage)
Speed Control Method	Analog Setting	• Potentiometer(5kΩ) • External DC Voltage 0~5VDC
Acceleration Time *2	0.2 ~ 10 sec (from 0~3000 r/min, no load) (1 Digital Setting)	
Deceleration Time *2	0.2 ~ 10 sec (from 3000~0 r/min, no load) (1 Digital Setting)	
Input Signal	■ 2 points(TTL) ■ Internal Power: 5VDC, 5mA	1. RUN/STOP 2. CW/CW
Output Signal	■ 2 points(TTL) ■ Internal Power: 5VDC, 1mA	1. Over Current warning [OC WARN OUT] 2. Running [RUNNING OUT]
Brake	Emergency Dynamic Brake. (Specific Motor Only)	
Protect Function	■ Over Voltage ■ Under Voltage ■ Over Current	■ Feedback Signal Fault (Hall Signal Fault)
Operating Environment Conditions	Ambient Temperature	-10℃+60℃ (External cooling is required when the environment temperature is higher than 40℃)
	Humidity	< 85 % RH (non-condensing)
Dimension	70mm * 70mm * 45mm	
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 slow acceleration and deceleration is 2.0 sec. Other value can be customized.