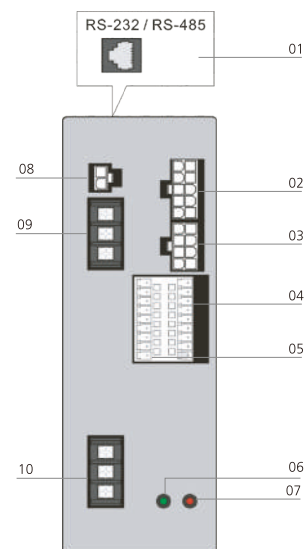




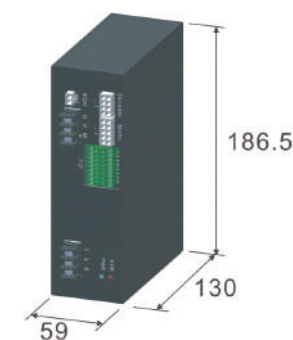
BI Series AC Power Input, Output Power 200 ~ 1000W

Motor Output Power	Motor Model	Driver Model	Rated Input Current (A)	Maximum Input Current (A)	Rated Torque (Nm)	Peak Torque (Nm)	Permissible Load Inertia ($\text{J} \times 10^{-4} \text{ kg} \cdot \text{m}^2$)
AC220V $\pm$ 15% , Single-Phase/Three-Phase, 50Hz / 60Hz							
200W	BL90-C200-□□	BI-C200	2.74 (1P)	5.48 (1P)	0.63	1.26	1.77
			1.83 (3P)	3.66 (3P)			
350W	BL90-C350-□□	BI-C350	4.79 (1P)	9.58 (1P)	1.1	2.2	3.6
			3.19 (3P)	6.38 (3P)			
400W	BLA4-C400-□□	BI-C400	5.47 (1P)	10.94(1P)	1.25	2.5	3.67
			3.65 (3P)	7.3 (3P)			
500W	BL90-C500-□□	BI-S500	4.56 (3P)	8.21 (3P)	1.57	2.83	4.23
750W	BLA4-C750-□□	BI-S750	6.84 (3P)	12.32(3P)	2.33	4.19	5.52
1000W	BLA4-C1K0-□□	BI-S1K0	9.12 (3P)	16.42(3P)	3.12	5.62	6.71

Names and Functions of Driver Parts



- | | |
|-----------------------------------|-------------------------------------|
| 06. PWR LED | 01. Communication Connector |
| 07. ALARM LED | 02. Motor Signal Connector [Hall] |
| 08. Regeneration Unit Connector | 03. Encoder Connector |
| 09. Motor Output Terminals | 04. Input/Output Signal Connector |
| 10. AC Main Power Input Terminals | 05. External Analog Input Connector |



Variable Speed Range * ¹		150 ~ 3000 (4000) r/min		
Speed Regulation	Load	±0.2% max (0 ~rated torque, rated speed, rated voltage, 25°C)		
	Voltage	±0.2% max (voltage variaion±15%, no load, rated speed, 25°C)		
	Temperature	±0.2% max (0 ~ 50°C, no load, rated speed, rated voltage)		
Speed Control Method	2 Analog Setting * ²	■ External Analog Input 1: • Potentiometer(5kΩ or 20kΩ) • External DC Voltage(0~5VDC or 0~10VDC)	■ External Analog Input 2: • Potentiometer(5kΩ or 20kΩ) • External DC Voltage(0~5VDC or 0~10VDC)	
		8-step Digital Setting ■ Digital Input Indexing 3 bits (M0, M1, M2).		
	Pulse Input * ³	■ Pulse Input Frequency(100 ~ 1000Hz) ■ Pulse Input Duty Cycle(20 ~ 80%)		
	Acceleration Time * ⁴	0.1 ~ 10 sec (from 0~3000 r/min, no load) (1 analog setting / 8-step digital setting)		
Deceleration Time * ⁴	0.1 ~ 10 sec (from 3000~0 r/min, no load) (1 analog setting / 8-step digital setting)			
Input Signal * ⁵	■ 4 points. Input function can be setup by parameters. Activated by the photocoupler, input resistance 2.4kΩ.		1. [START/STOP(CW/STOP)] 8. ALARM RESET 2. [CW/CW (CCW/STOP)] 10. [M0] 5. FREE 11. M1 6. [STOP MODE] 12. M2 7. EBA RESET 13. E BRAKE	
	■ Internal Power: 24VDC ■ External Power: 24VDC , 50mA ■ SINK or SOURCE connection.			
	Output Signal * ⁵	■ 3 points. Output function can be setup by parameters. Open Collector Output. ■ External Power: 12 ~ 24VDC, 50mA max. ■ SINK or SOURCE connection.		1. [PULSE OUT] 2. [ALARM OUT] 3. [BUSY OUT] 4. VA OUT 5. PARK BRAKE
Brake Dynamic Brake (Regeneration unit required).				
Protect Function		■ Over Voltage	■ Over Load	■ Feedback Signal Fault (Hall Signal Fault)
	■ Under Voltage	■ Driver Over Temperature	■ Excessive Speed	
	■ Over Current	■ Motor Over Temperature	■ EEP Data Error	
Operating Environment	Ambient Temperature	-20°C+50°C (External cooling is required when the environment temperature is higher than 40°C)		
Conditions	Humidity	< 85 % RH (non-condensing)		
Dimension	186.5mm * 130mm * 59mm			
Other Functions	■ Incremental Encoder Interface (*Optional).			
	■ Torque Limit Function.			

*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 set to 0 ~ 10 VDC through parameter setting.

*3. X1 input is required to use the Pulse Input Speed Control Method.

*4. The specification of analog setting of acceleration time and deceleration time is the same as the analog setting of speed control method.

*5. The function in brackets [] are default settings, more functions can be set through parameter setting.