



60BH Series (1.8° / □60mm)



Two-phase (Four-phase)

Hybrid power stepper

Typical Applications

자동화장비, 의료기, 게임기, 기타장비

- 안정적인 고출력 파워
- 높은 정확도 및 저소음화
- 부드러운 조작성
- 고객의 요청에 의한 Motor Voltage, Shaft 사양 및 Lead wire, connector 추가 등의 사양 변경 가능

Specification (Motor only)

□ Bi-polar type

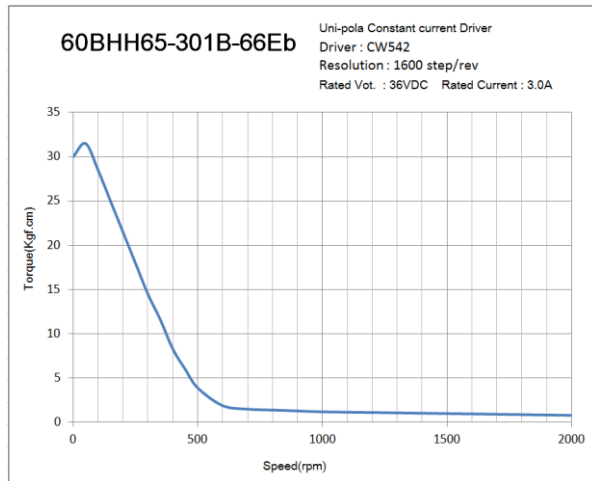
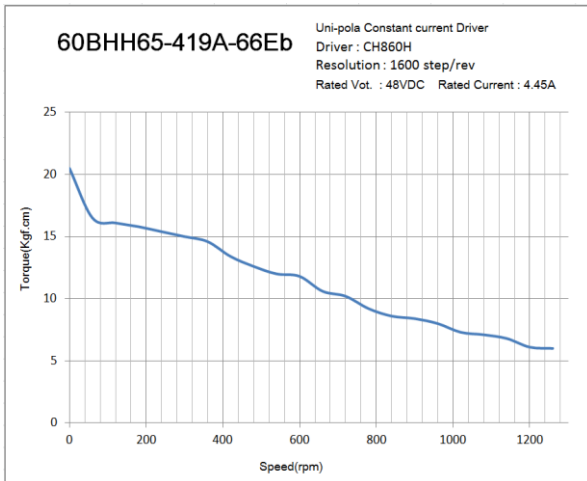
Model	Voltage	Current per phase	Resistance per phase	Inductance per phase	Holding torque	Rotor inertia	Weights
	[VDC]	[A]	[Ω ± 10%]	[mH ± 20%]	[Kgf.cm]	[g.cm]	[Kg]
60BHH55-300A	3.60	3.60	1.20	2.0	11.0	300	0.80
60BHH65-419A	1.47	4.19	0.35	1.2	17.2	590	1.20
60BHH86-400A	2.80	4.00	0.70	3.5	30.0	860	1.40
60BHH100-420A	3.60	4.20	1.20	6.4	44.0	1200	1.80

□ Uni-polar type

Model	Voltage	Current per phase	Resistance per phase	Inductance per phase	Holding torque	Rotor inertia	Weights
	[VDC]	[A]	[Ω ±10%]	[mH±20%]	[Kgf.cm]	[g.cm]	[Kg]
60BHH66-301B	3.00	3.00	1.00	1.9	16.0	590	1.20

- 상기 제품은 Unipolar 방식으로 생산이 가능합니다.
- 모든 사양은 사용자 요구에 의한 사양으로 변경 생산이 가능합니다.
- 모터의 결선도 및 옵션에 관한 내용은 각 제품의 사양서 및 카탈로그를 참조해 주시기 바랍니다.

Dynamic torque curves



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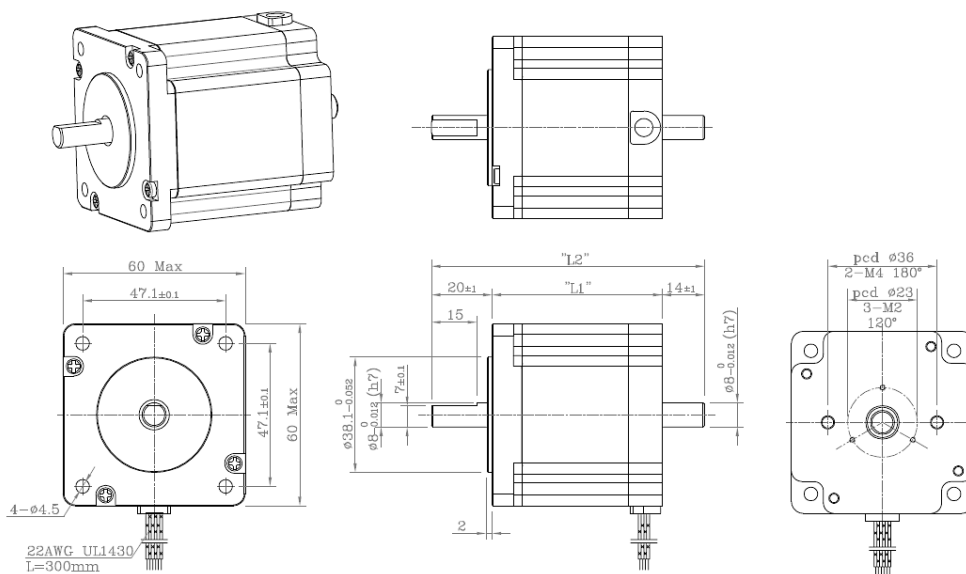


Two-phase (Four-phase)

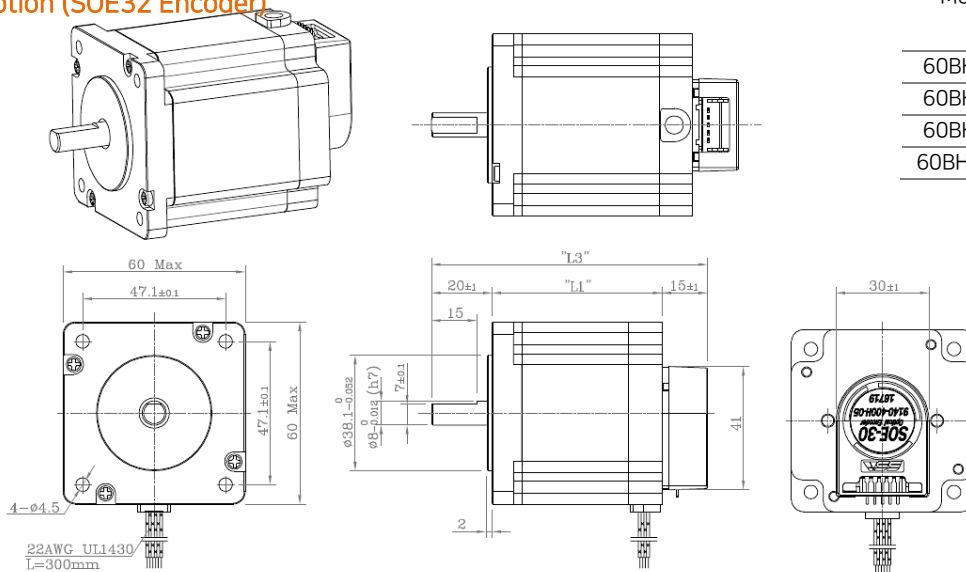
Hybrid power stepper

■ Dimensions

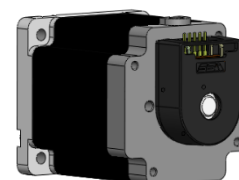
Unit : mm



■ Option (SOE32 Encoder)



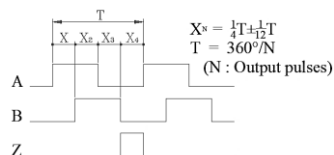
Model	Lengths [mm]		
	"L1"	"L2"	"L3"
60BHH55	55	90	91
60BHH65	65	100	101
60BHH86	86	120	121
60BHH100	100	134	135



SOE30 Encoder Spec

1. Output wave : Square wave
2. Output signals : "A,B,Z" Phase
3. Output current : < 5Ma
4. Supply voltage : 5VDC
5. Output circuit : Open collector
6. Number of pulses : 400, 500
7. Terminal assignment

Signal	Gnd(1)	Z(2)	A(3)	Vcc(4)	B(5)
Color	Black	Yellow	Green	Red	White



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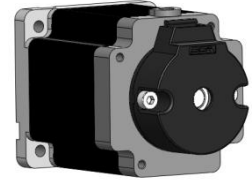
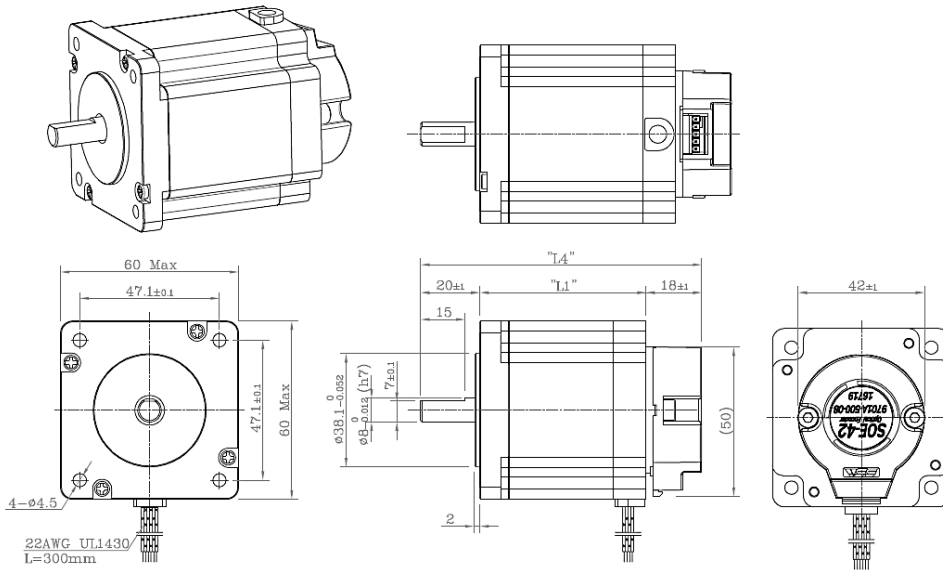


Two-phase (Four-phase)

Hybrid power stepper

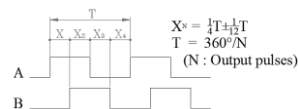
Option (SOE42 Encoder)

Unit : mm



SOE42 Encoder Spec

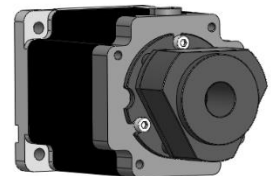
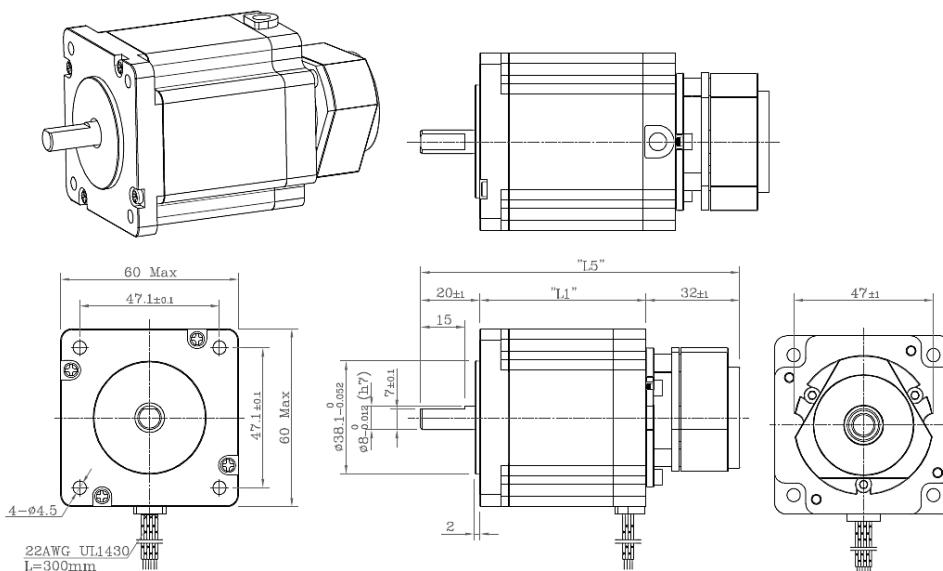
1. Output wave : Square wave
2. Output signals : "A,B" Phase
3. Output current : < 5Ma
4. Supply voltage : 5VDC
5. Output circuit : Open collector
6. Number of pulses : 100, 500
7. Terminal assignment



Signal	B(1)	A(2)	Gnd (3)	Non(4)	Vcc (5)
Color	White	Green	Black		Red

Model	Lengths [mm]		
	"L1"	"L4"	"L5"
60BHH55	55	94	108
60BHH65	65	104	118
60BHH86	86	124	138
60BHH100	100	138	152

Option (MX24 Brake)



MX24 Brake Spec

1. Operating voltage : 24VDC
2. Rated current : 330mA
3. Starting voltage : 12VDC
4. Braking torque : 0.04Kgf.m
5. Turn off time : 20Ms
6. Turn on time : 30Ms
7. Power input : 8W