

Hybrid Stepper Motor

42BYGHW Series

General Specifications

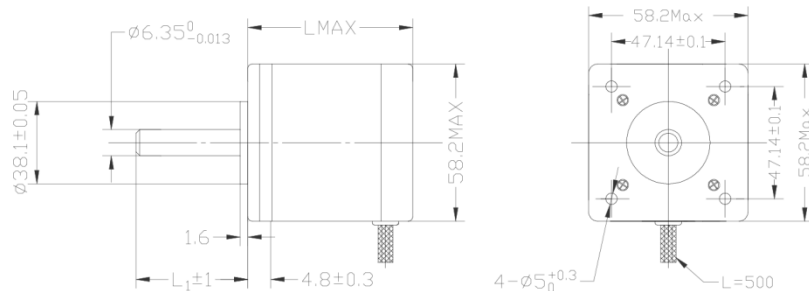
Step Accuracy	± 5%
Temperature Rise	80°C Max
Ambient Temperature Range	-20°C ~ +50°C
Insulation Resistance	100 MΩ Min. 500 VDC
Dielectric Strength	500 VAC 1 minute
Customized solutions on request.	



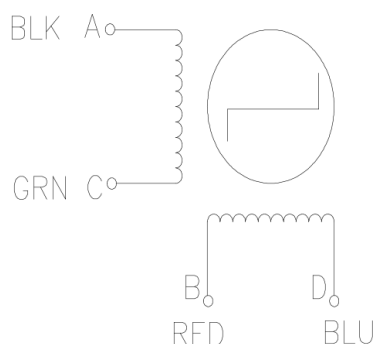
Electrical Specifications

Model	Step Angle °	Motor Length L (mm)	Rate Voltage V	Rate Current A	Phase Resistance Ω	Phase Inductance mH	Holding Torque mNm	Detent Torque mNm	Rotor Inertia gcm ²	Lead Wire NO.	Motor Weight kg
57BYG001-02	1.8	41	12.2	0.38	32	30	294.2	17.7	57	6	0.54
57BYG003-01	1.8	41	12	0.6	20	18	323.6	17.7	57	6	0.54
57BYG006-01	1.8	41	3.96	1.1	3.6	3.5	294.2	17.7	57	8	0.54
57BYG202-04	1.8	51	12.2	0.38	32	30	343.2	17.7	110	6	0.54
57BYG220	1.8	51	3.3	1.5	2.2	8.5	568.8	34.3	110	4	0.6
57BYG241	1.8	51	1.68	3	0.56	1.8	588.4	34.3	110	4	0.6
57BYG402	1.8	57	12	0.6	20	27	568.8	34.3	135	6	0.6
57BYG410	1.8	57	2.4	2.4	1.0	2.0	588.4	41.2	135	6	0.65
57BYG424	1.8	57	3.2	1	3.2	5.5	441.3	41.2	135	4	0.65
57BYG601-01	1.8	76	12	0.6	20	25	882.6	41.2	200	6	0.65
57BYG606	1.8	76	5.4	1.5	3.6	6.2	863.0	70.6	200	6	0.95
57BYG621	1.8	76	3.96	2.2	1.8	6.0	1225.8	70.6	200	4	0.95
57BYG100-001	1.8	100	2.1	2	1.1	4.5	1176.8	93.2	300	4	1.25

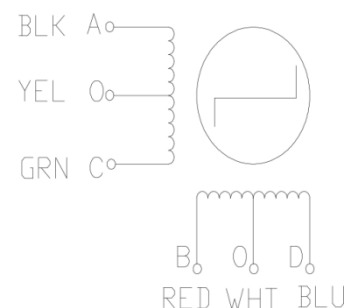
Mechanical Dimensions



Wiring Diagram



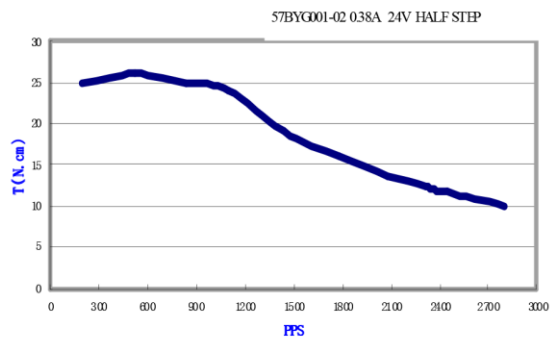
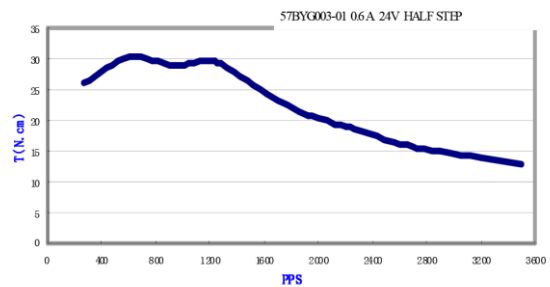
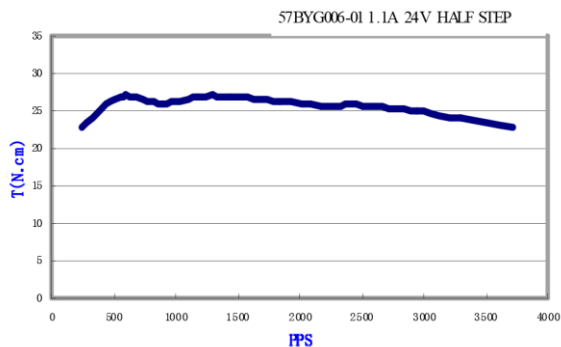
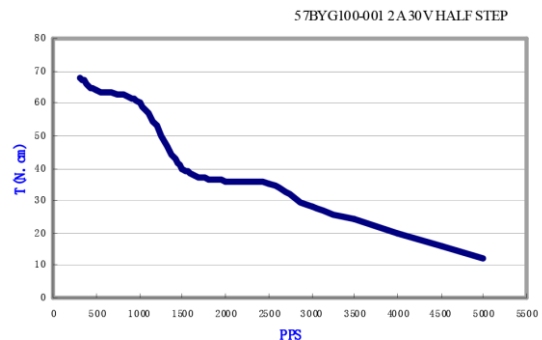
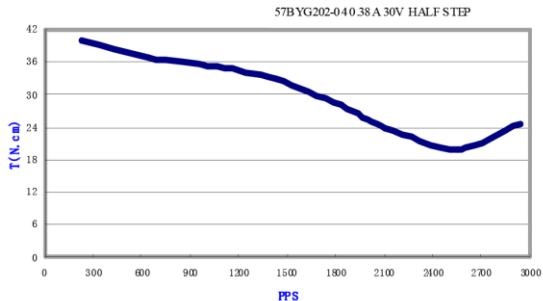
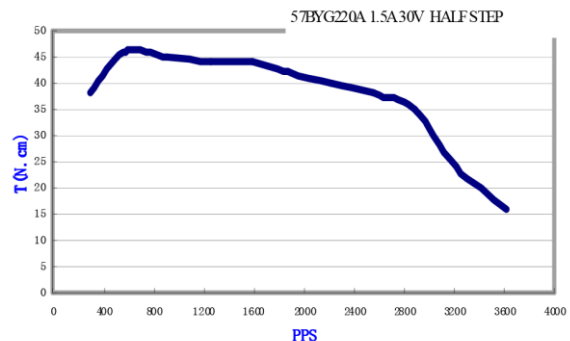
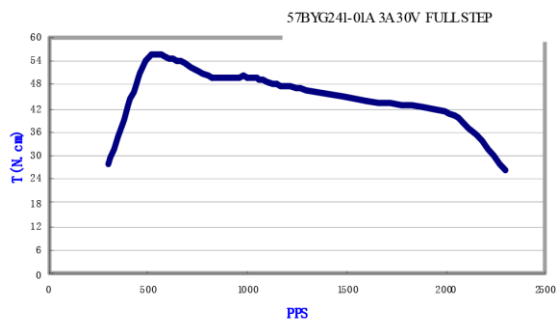
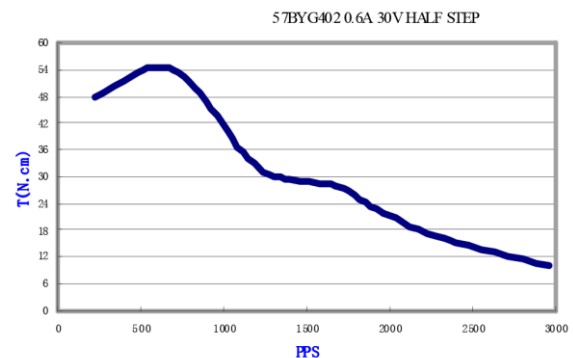
4 Leads



6 Leads

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Pulse-Torque Characteristics



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