

INOVANCE

SV680 범용 서보드라이브

Born for High-End Market

펄스/아날로그 지령



CANopen

EtherCAT



SPECIFICATIONS

Single-phase 220 V servo drive

Item	Size-A		Size-C		Size-D
Drive model SV680P	S1R6	S2R8	S5R5	S7R6	S012
Continuous output current (Arms)	1.6	2.8	5.5	7.6	12
Maximum output current (Arms)	5.8	10.1	16.9	23	32
Main circuit power supply	Single-phase 200–240 VAC, –10% to +10%, 50/60 Hz				
Control circuit power supply	Single-phase 200–240 VAC, –10% to +10%, 50/60 Hz				
Braking capability	Built-in and external braking resistors are supported by the whole SV680 family except servo drives in size A, which support external braking resistors only.				

Three-phase 220 V servo drive

Item	Size-A		Size-C		Size-D		Size-E	
Drive model SV680P	S1R6	S2R8	S5R5	S7R6	S012	S018	S022	S027
Continuous output current (Arms)	1.6	2.8	5.5	7.6	12	18	22	27
Maximum output current (Arms)	5.8	10.1	16.9	23	32	45	55	67.5
Main circuit power supply	Three-phase 200–240 VAC, –10% to +10%, 50/60 Hz							
Control circuit power supply	Three-phase 200–240 VAC, –10% to +10%, 50/60 Hz							
Braking capability	Built - in and external braking resistors are supported by the whole SV680 family except servo drives in size A, which support external braking resistors only.				Built - in braking resistor by default, external braking resistor supported			

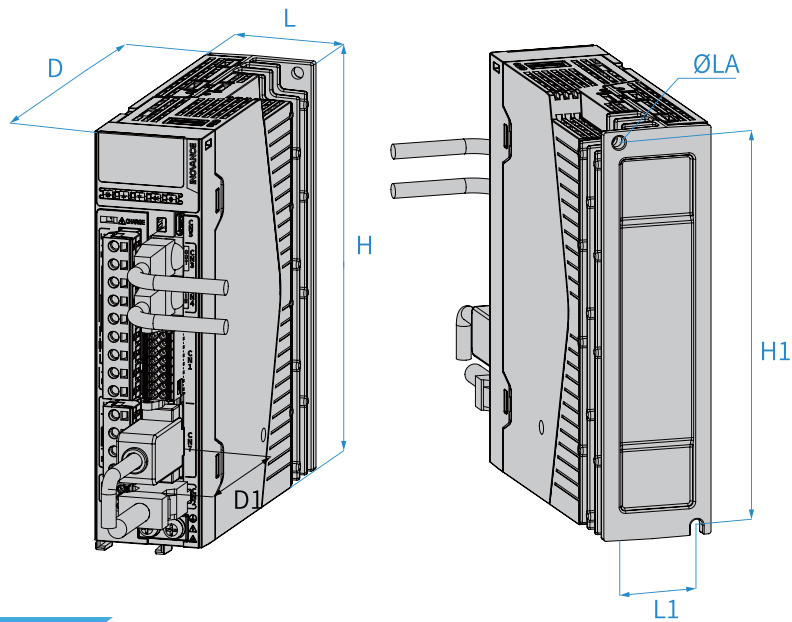
Three-phase 380 V servo drive

Item	Size-C		Size-D		Size-E		
Drive model SV680P	T3R5	T5R4	T8R4	T012	T017	T021	T026
Continuous output current (Arms)	3.5	5.4	8.4	12	17	21	26
Maximum output current (Arms)	11	14	20	30	42.5	52.5	65
Main circuit power supply	Three-phase 380–480 VAC, –10% to +10%, 50/60 Hz						
Control circuit power supply	Single-phase 380–480 VAC, –10% to +10%, 50/60 Hz						
Braking capability	Built-in braking resistor						

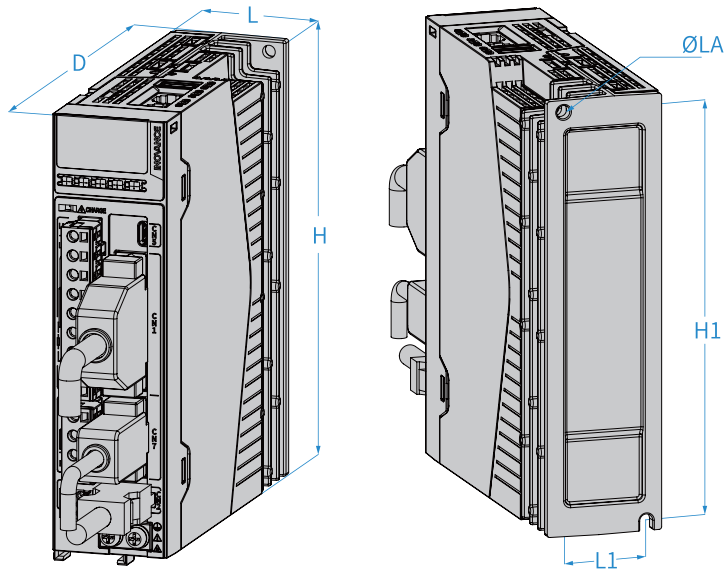
Note: The power of the full SV680 series is in the range of 0.05 kW to 7.5 kW. The power of the models released before February 2022 is 1 kW or below.

DIMENSIONS

SV680N Series



SV680P Series















Structure	L mm(in.)	H mm(in.)	D mm(in.)	L1 mm(in.)	H1 mm(in.)	D1 mm(in.)	Screw Hole (ØLA)	Tightening Torque (N·m)	Weight (kg)
SIZE A	45.5 (1.79)	170 (6.69)	150 (5.91)	33 (1.10)	161 (6.34)	75 (2.95)	2-M4	1.2	0.96
SIZE B	55±1 (2.17±0.04)	170 (6.69)	173±1 (6.81±0.04)	44 (1.37)	160 (6.30)	75 (2.95)	2-M4	1.2	1.3
SIZE C	80±1 (3.15±0.04)	170 (6.69)	183 (7.20)	71 (2.80)	160 (6.30)	75 (2.95)	3-M4	1.2	1.8
SIZE D	90 (3.54)	250 (9.84)	230 (9.06)	78 (3.07)	241 (9.47)	75 (2.95)	4-M4	1.2	3.6









SELECTION CHART

Item	Model	Appearance	Servo Drive Model	Applicable motor power	Applicable motor model
Single-phase 200 V models	Size A		SV680*S1R6I-GINT	 50W 100W 200W	MS1H1-05B30CB-A63*R-INT MS1H1-10B30CB-A63*R-INT MS1H1-20B30CB-A63*R-INT MS1H4-05B30CB-A63*R-INT MS1H4-10B30CB-A63*R-INT MS1H4-20B30CB-A63*R-INT MS1H1-20B30CB-V63*R-INT MS1H4-20B30CB-V63*R-INT
			SV680*S2R8I-GINT	 400W	MS1H1-40B30CB-A63*R-INT MS1H4-40B30CB-A63*R-INT MS1H1-40B30CB-V63*R-INT MS1H4-40B30CB-V63*R-INT
	Size C		SV680*S5R5I-GINT	 550W 750W	MS1H1-55B30CB-A630R-INT MS1H1-75B30CB-A63*R-INT MS1H4-55B30CB-A630R-INT MS1H4-75B30CB-A63*R-INT MS1H1-55B30CB-V63*R-INT MS1H1-75B30CB-V63*R-INT MS1H4-55B30CB-V63*R-INT MS1H4-75B30CB-V63*R-INT
			SV680*S7R6I-GINT	 850W 1KW	MS1H1-10C30CB-A63*R-INT MS1H2-10C30CB-A63*R-INT MS1H3-85B15CB-A63*R-INT MS1H4-10C30CB-A63*R-INT MS1H1-10C30CB-V63*R-INT MS1H2-10C30CB-V63*R-INT MS1H3-85B15CB-V63*R-INT MS1H4-10C30CB-V63*R-INT
	Size D		SV680*S012I-GINT	 1.3KW 1.5KW	MS1H2-15C30CB-A63*R-INT MS1H3-13C15CB-A63*R-INT MS1H2-15C30CB-V63*R-INT MS1H3-13C15CB-V63*R-INT

SELECTION CHART

Item	Model	Appearance	Servo Drive Model	Applicable motor power	Applicable motor model
Three-phase 200 V models	Size A		SV680*S1R6I-GINT	 50W 100W 200W	MS1H1-05B30CB-A63*R-INT MS1H1-10B30CB-A63*R-INT MS1H1-20B30CB-A63*R-INT MS1H4-05B30CB-A63*R-INT MS1H4-10B30CB-A63*R-INT MS1H4-20B30CB-A63*R-INT MS1H1-20B30CB-V63*R-INT MS1H4-20B30CB-V63*R-INT
			SV680*S2R8I-GINT	 400W	MS1H1-40B30CB-A63*R-INT MS1H4-40B30CB-A63*R-INT MS1H1-40B30CB-V63*R-INT MS1H4-40B30CB-V63*R-INT
	Size C		SV680*S5R5I-GINT	 550W 750W	MS1H1-55B30CB-A630R-INT MS1H1-75B30CB-A63*R-INT MS1H4-55B30CB-A630R-INT MS1H4-75B30CB-A63*R-INT MS1H1-55B30CB-V63*R-INT MS1H1-75B30CB-V63*R-INT MS1H4-55B30CB-V63*R-INT MS1H4-75B30CB-V63*R-INT
			SV680*S7R6I-GINT	 850W 1KW	MS1H1-10C30CB-A63*R-INT MS1H2-10C30CB-A63*R-INT MS1H3-85B15CB-A63*R-INT MS1H4-10C30CB-A63*R-INT MS1H1-10C30CB-V63*R-INT MS1H2-10C30CB-V63*R-INT MS1H3-85B15CB-V63*R-INT MS1H4-10C30CB-V63*R-INT
	Size D		SV680*S012I-GINT	 1.3KW 1.5KW	MS1H2-15C30CB-A63*R-INT MS1H3-13C15CB-A63*R-INT MS1H2-15C30CB-V63*R-INT MS1H3-13C15CB-V63*R-INT
			SV680*S018I-GINT	 1.8KW 2KW	MS1H2-20C30CB-A63*R-INT MS1H3-18C15CB-A63*R-INT MS1H2-20C30CB-V63*R-INT MS1H3-18C15CB-V63*R-INT
	Size E		SV680*S022I-GINT	 2.5KW 2.9KW 3KW	MS1H2-25C30CB-A63*R-INT MS1H2-30C30CB-A63*R-INT MS1H3-29C15CB-A63*R-INT MS1H2-25C30CB-V63*R-INT MS1H2-30C30CB-V63*R-INT MS1H3-29C15CB-V63*R-INT
			SV680*S027I-GINT	 4KW 4.4KW 5KW	MS1H2-40C30CB-A63*R-INT MS1H2-50C30CB-A63*R-INT MS1H3-44C15CB-A63*R-INT MS1H2-40C30CB-V63*R-INT MS1H2-50C30CB-V63*R-INT MS1H3-44C15CB-V63*R-INT

SELECTION CHART

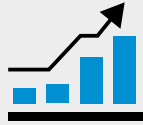
Item	Model	Appearance	Servo Drive Model	Applicable motor power	Applicable motor model
Threephase 400V models	Size C		SV680*T3R5I-GINT	 850W 1KW	MS1H2-10C30CD-A63*R-INT MS1H2-10C30CD-V63*R-INT MS1H3-85B15CD-A63*R-INT MS1H3-85B15CD-V63*R-INT
			SV680*T5R4I-GINT	 1.3KW 1.5KW	MS1H2-15C30CD-A63*R-INT MS1H2-15C30CD-V63*R-INT MS1H3-13C15CD-A63*R-INT MS1H3-13C15CD-V63*R-INT
	Size D		SV680*T8R4I-GINT	 1.8KW 2KW 2.5KW	MS1H2-20C30CD-A63*R-INT MS1H2-20C30CD-V63*R-INT MS1H2-25C30CD-A63*R-INT MS1H2-25C30CD-V63*R-INT MS1H3-18C15CD-A63*R-INT MS1H3-18C15CD-V63*R-INT
			SV680*T012I-GINT	 2.9KW 3KW	MS1H2-30C30CD-A63*R-INT MS1H2-30C30CD-V63*R-INT MS1H3-29C15CD-A63*R-INT MS1H3-29C15CD-V63*R-INT
	Size E		SV680*T017I-GINT	 4KW 4.4KW	MS1H2-40C30CD-A63*R-INT MS1H2-40C30CD-V63*R-INT MS1H3-44C15CD-A63*R-INT MS1H3-44C15CD-V63*R-INT
			SV680*T021I-GINT	 5KW 5.5KW	MS1H2-50C30CD-A63*R-INT MS1H2-50C30CD-V63*R-INT MS1H3-55C15CD-A63*R-INT MS1H3-55C15CD-V63*R-INT
			SV680*T026I-GINT	 7.5KW	MS1H3-75C15CD-A63*R-INT MS1H3-75C15CD-V63*R-INT

[1] The expansion functional safety module is not included in standard models.

INOVANCE



2003
founded



IPO:2010
Shenzhen, China



20,256
employees



\$3,405 million
revenues in 2022



No.5
for servo drives
globally in 2022*



No.8
for LV AC drives
globally in 2022*



3.36 million
servo drives and
motors shipped in 2022



2,248,000
EV powertrains
shipped in 2022



17,000+
industrial robots
delivered by end of 2022



13,598
MV drives delivered
by end of 2022



4.3 million
AC drives
shipped in 2022



100+
Inovance's products are in
use in 100+ countries

*According to leading market research company Interact Analysis

For more information, please contact our local offices.

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