

VEICHI

SD100 Series Low-voltage Servo Drive



VEICHI

Suzhou Veichi Electric Co., Ltd

No.1000 Songjia Road, Guoxiang street, Wuzhong Economic and Technological Development Zone, Suzhou

Tel: +86-512-6617 1988

Facebook: <https://www.facebook.com/veichigroup>

Whatsapp: +86- 138 2881 8903

<https://www.veichi.com/>



Official Website
*Version: Y25/2-05
Veichi Electric Co., Ltd all rights reserved,
subject to change without notice.

Stock code : 688698

About us

Since its inception, VEICHI Electric (Stock Code: 688698) has been a pioneer in electrical transmission and industrial control, specializing in the research, development, production, and distribution of advanced industrial automation products. It serves a global clientele, delivering competitive, secure, and reliable solutions across multiple regions with R&D centers and production facilities in Suzhou, Shenzhen, and Xi'an, along with a wholly-owned subsidiary in India.

The comprehensive product portfolio, including AC drives, servo systems, and control systems, is widely applied in various industries, providing tailored solutions that drive the digital and intelligent transformation of modern manufacturing. Additionally, we are expanding into emerging fields such as robotics, new energy, and medical technologies, offering innovative products like coreless motors, frameless motors, photovoltaic storage inverters, and surgical power systems.

Along the way, VEICHI has developed a robust suite of proprietary technologies with relentless efforts on motors such as vector control, HF injection control, parameter

auto-tuning, motor protection, start-up fly track, high-speed weak magnet control, scalar V/F control, high-density water-cooled layout, and IGBT protections. As of September 30, 2024, we hold 222 authorized patents, including 54 invention patents.

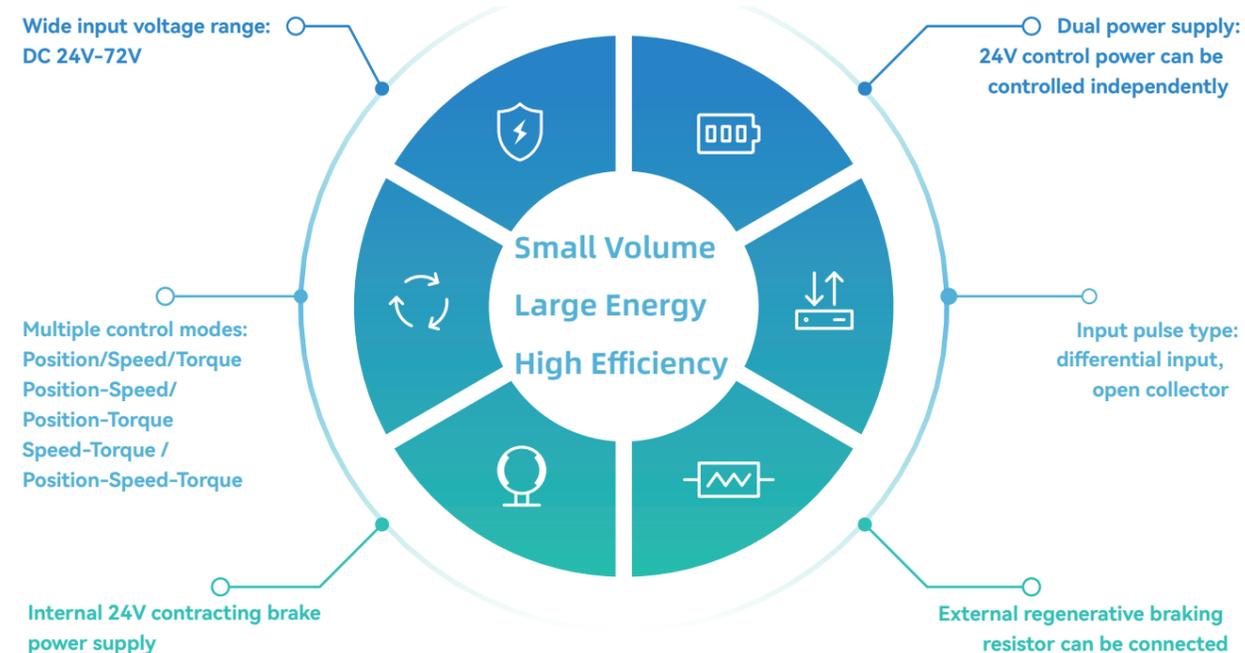
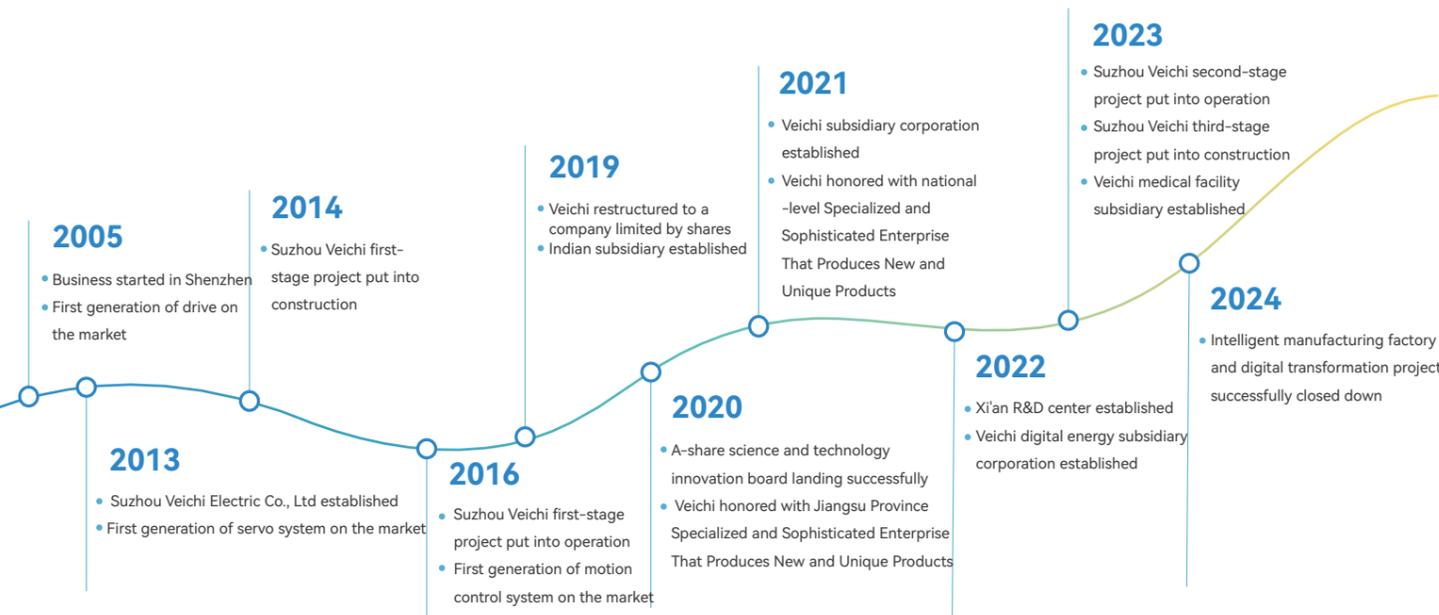
And in consequence, it has reaped prestigious accolades, including the third batch of "Specialized, Elaborative, Characteristic, and Emerging 'Little Giant' Enterprise", "High-Tech Enterprise", "High and New Technology Enterprise", "Jiangsu Provincial Engineering Technology Research Center", "Jiangsu Provincial Enterprise Technology Center", and "Jiangsu Province Industrial Internet Development Demonstration".

Looking ahead, VEICHI remains unwavering in its commitment to a market-driven and cutting-edge technological innovation. By prioritizing breakthroughs in core technologies, it aims to expand into high-performance, high-quality, and high-reliability applications and drives transformative progress that shapes the future of the electrical transmission and industrial control.

SD100 Series Low-voltage Servo Drive

Based on the international leading algorithm platform, SD100 series low-voltage servo system are qualified for single-axis, two-axis and multi-axis motor algorithm control. It features compactness, versatility, flexibility, usability, stability and reliability delivering high performance so they can be widely applied to occasions with certain requirements for voltage and size like mobile robots (AMR, AGV), service robots, specialized robots, logistics, warehousing and sorting, and medical equipment, etc.

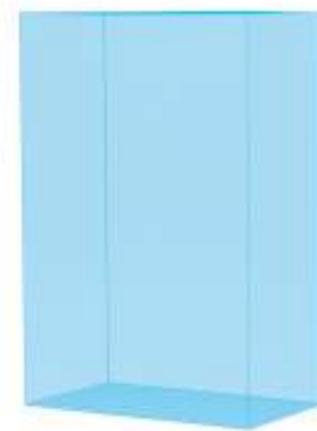
As to occasions with special requirements for, like, low temperature, communication and installation, customized low-voltage servo drive are available such as integrated products and solutions for customers to choose.



Product Features

Delicate Structure

High power density within compact size
Reduced installation area for limited space.



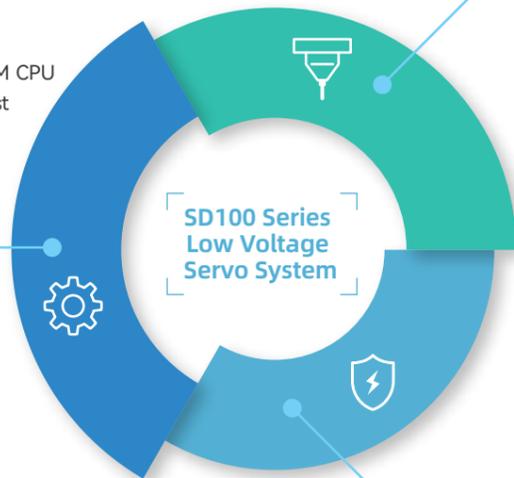
20%~50%
volume reduction to like products



Ultra-High Standard

High Performance

Pioneering algorithms & 100M CPU
for rapid response and robust
starting torque



SD100 Series
Low Voltage
Servo System

High Precision

Standard 17-bit encoder and
upgradable with optional 23-bit encoder

High Reliability

STO for extreme temperatures and
high-vibration environments

Unique Design

Dual-axis

$$1+1 > 2$$

Dual-axis control with one chip
doubles the performance

Debugging

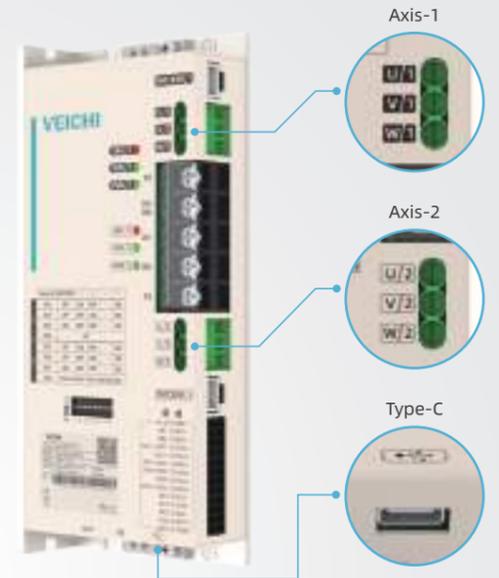
Type-C

Type-C port eliminates the
dedicated cables

Dissipation

50°C

Exclusive cooling technology
defies 50°C heat with ease

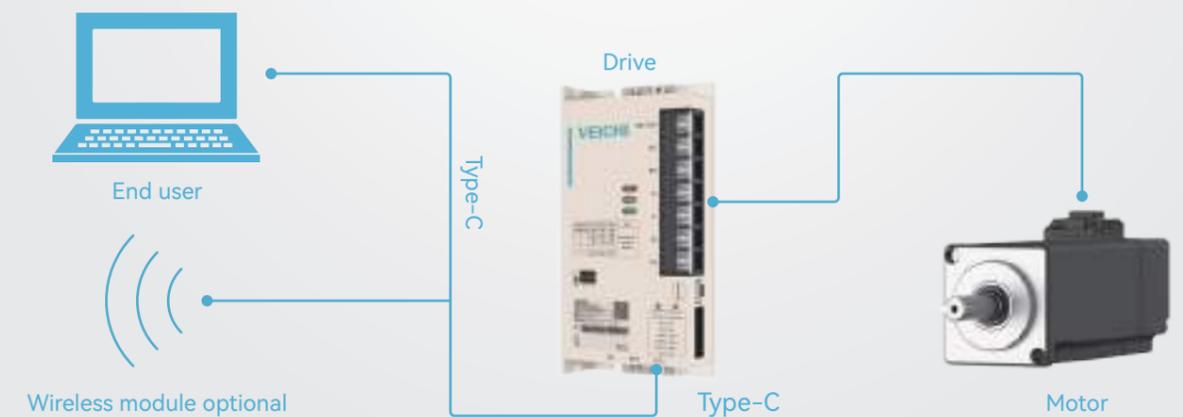


User Friendly

Easy wiring: Quick European-type plug-in terminals are used to reduce wiring time.

Easy debugging: Standard Type-C interfaces are convenient for upper computer software and Bluetooth module for APP wireless debugging is optional.

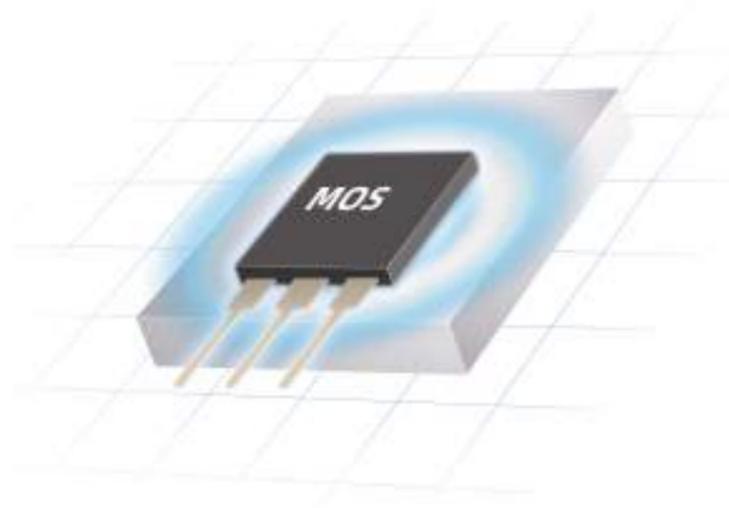
Easy mounting: Both front and side installation are allowed thus suitable for different scenarios.



Super Overload Capacity

Overload **3 times** stronger in power devices

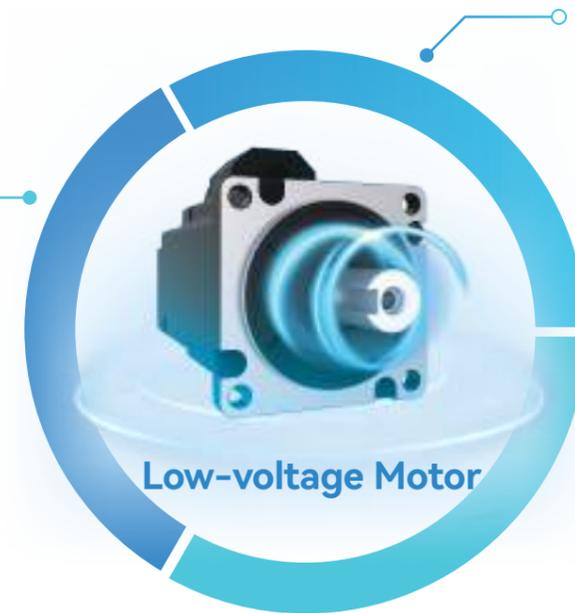
Combined with the unique heat dissipation process, it ensures efficient overload operation.



Certification

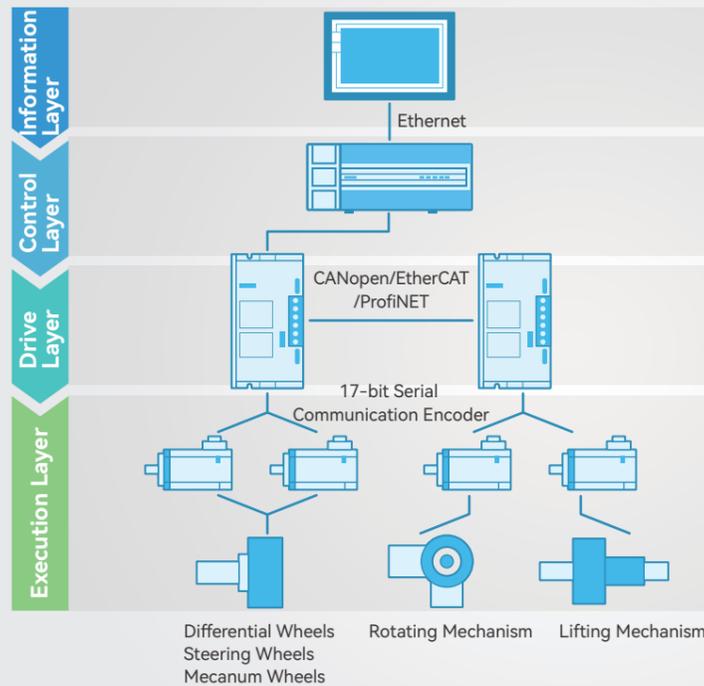
The products have certificated with CE, UL and ROHS in accordance with international markets. STO safety protection module makes the product more reliable.

High performance
3 times stronger overload
low noise operation,
new electromagnetic design
high output torque



Short frame
10% and above shorter in size than the like motors in the market

High reliability
low temperature rise for high temperature applications
magnetic encoder for high vibration applications
Standard direct outlet with no adapter required



Synchronous Operation

The principle of bus interaction as well as external circuit interaction is employed to double guarantee the synchronization of startup and shutdown.

In face of a fault, the above mechanism is used to synchronize brake and stop to protect the equipment.

Diverse Buses

CANopen, EtherCAT, Profinet, Modbus-RTU and other bus communication protocols are available for users to choose.



Energy-saving Function

The new generation of energy-saving drive technology reduces motor heat loss and improves energy utilization by more than 10%.

"Low power consumption" mode in standby saves energy and reduce emissions to improve the battery life by more than 10%.

Energy efficiency improved
10%
or more

Battery life improved due to energy saving and emission reduction by
10%
or more

Drive Model Description

SD 100 - 210 G - C A - X L

SD:
Servo product code

100:
Low-voltage servo drive series

Rated current
110: 11A
210: 21A

Voltage level
G: 24V-70V
I: 72V

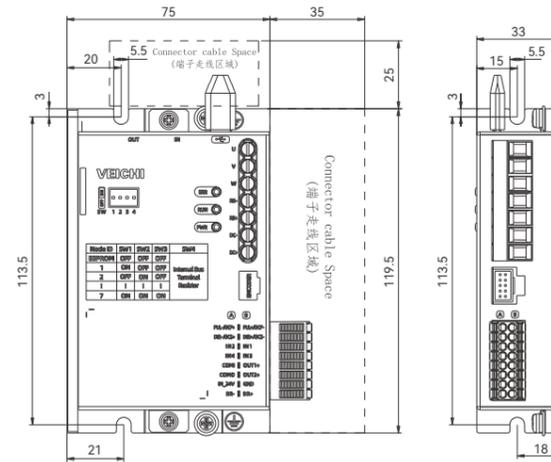
L: Low temperature model

Number of output axes
Space: Single-axis
2: Dual-axis
A: Analog input

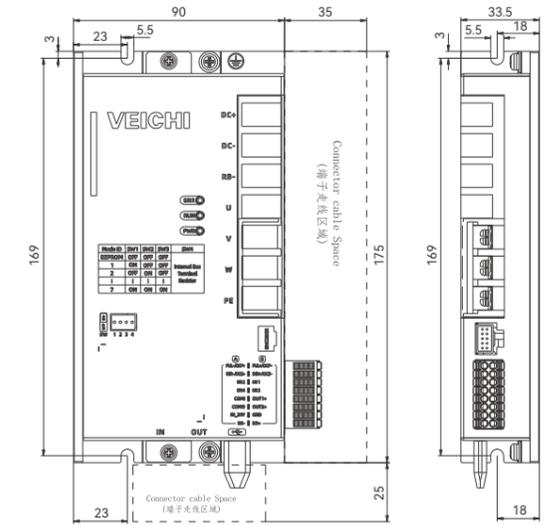
Encoder type
A: Serial encoder

Product type
P: Pulse
E: EtherCAT
C: CANopen (Profinet for option)

Drive Appearance and Dimensions



SD100-110G, SD100-210G

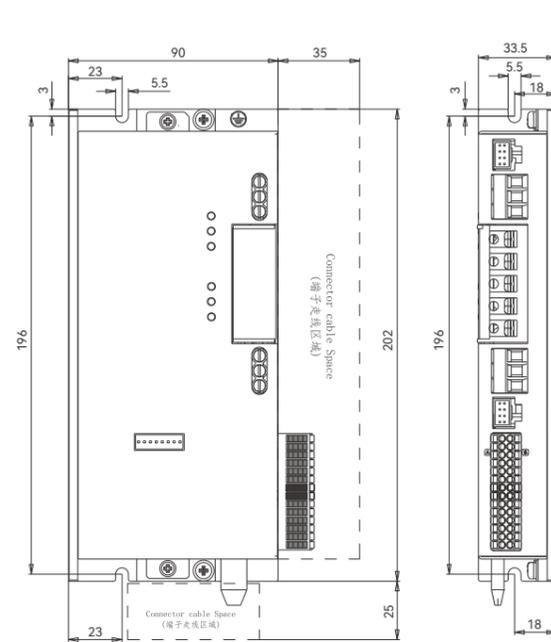


SD100-300G, SD100-400G

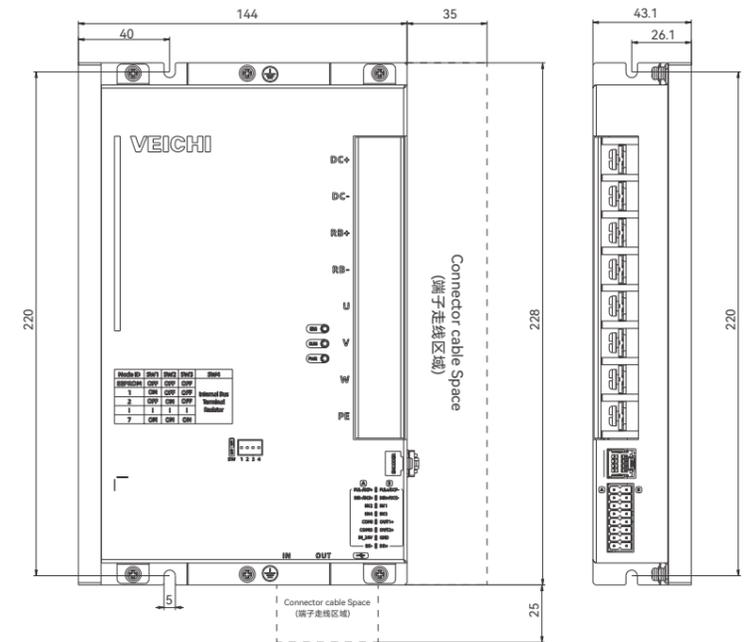
Drive Specification



Model	Input		Output (RMS)	
	DC voltage (V)	Rated current (A)	Rated current (A)	Instantaneous current (A)
SD100-110G	DC 24V-72V	11	11	42
SD100-210G	DC 24V-72V	21	21	63
SD100-300G	DC 24V-72V	30	30	90
SD100-400G	DC 24V-72V	40	40	120
SD100-600G	DC 24V-72V	60	60	180
SD100-800G	DC 24V-72V	80	80	240



SD100-110G-2 (dual-axis) , SD100-210G-2 (dual-axis)



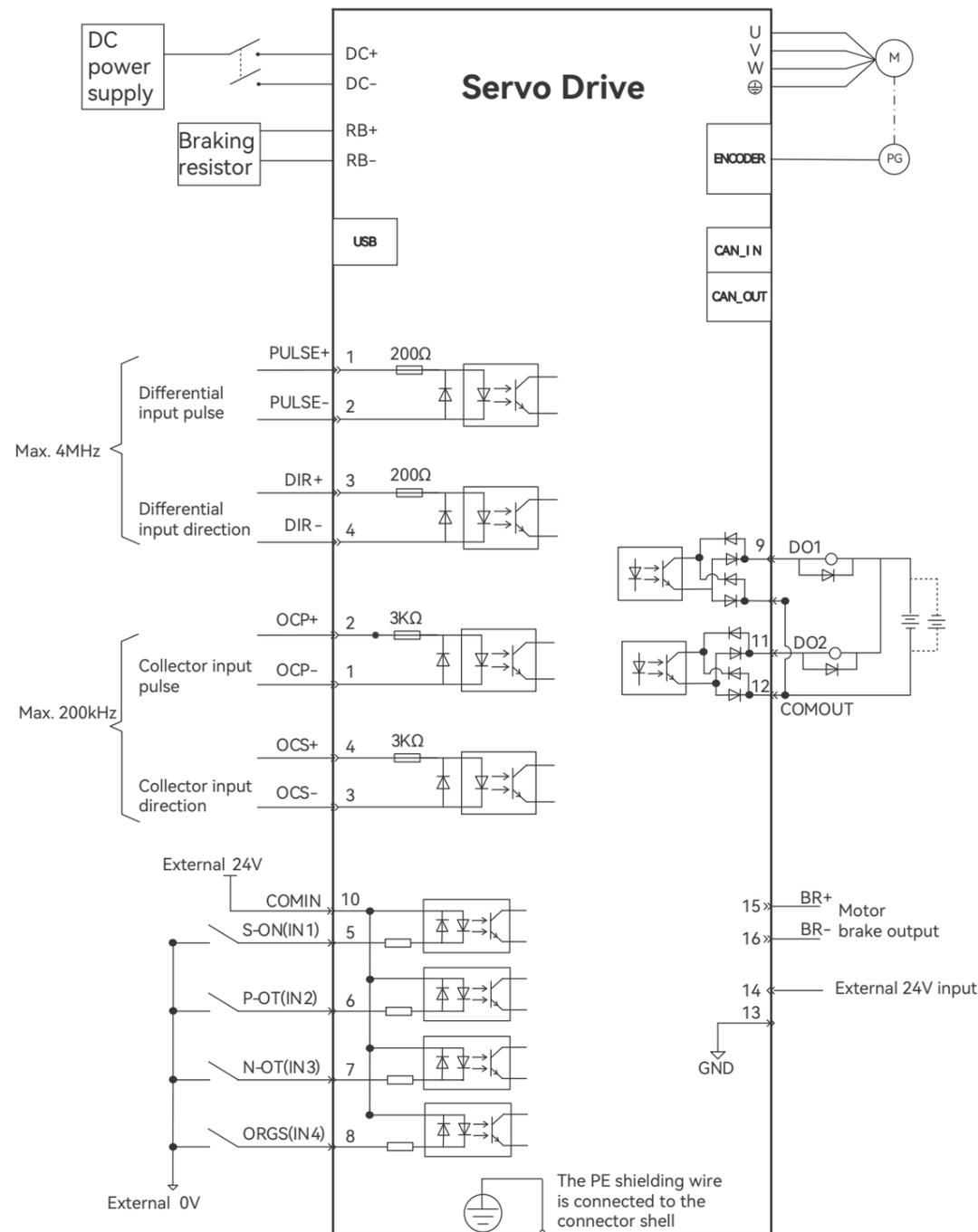
SD100-600G, SD100-800G

Drive Technical Specification

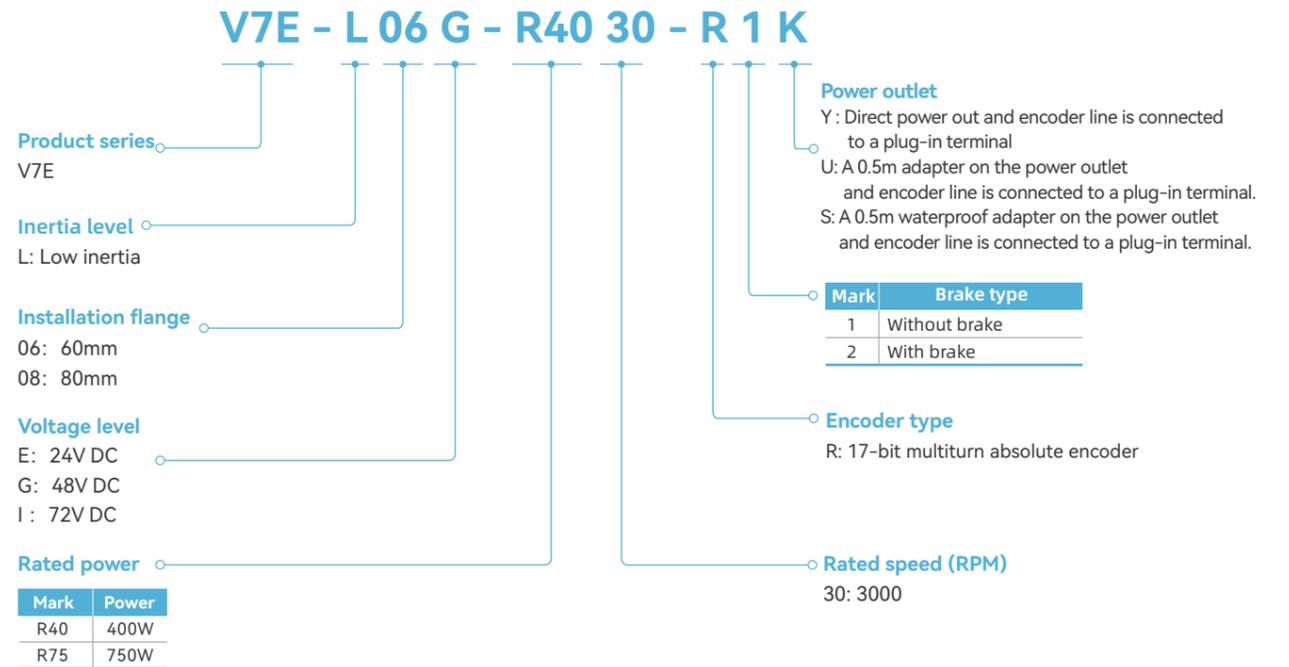
Item		Specification	
Control method		MOS PWM controlled sine wave current drive mode	
Feedback		With rotary servo motor Serial encoder: 17-bit absolute encoder	
Environmental condition	Ambient temperature	-5°C~55°C (derate during 55°C~60°C) Low-temperature model:-40°C~-5°C (no condensation)	
	Storage temperature	-20°C~85°C Low temperature model:-40°C~-5°C	
	Operating humidity	< 95%RH (no freezing, no condensation)	
	Storage humidity	< 95%RH (no freezing, no condensation)	
	Oscillation	4.9m/s ²	
	Impact	19.6m/s ²	
	Protection level	IP20	
	Operating environment	No corrosive gas or combustible gas No water, oil, or chemical splash Environment with less dust, dirt, salt and metal powder	
	Altitude	< 1000m (derate between 1000m~2000m)	
	Others	No electrostatic interference, strong electric field, strong magnetic sound, radiation, etc.	
Applicable standards		IEC61800-2/-3/-5, IEC61000-2/-3/-4	
Installation type		Side installation/base installation	
Performance	Speed control range	1:5000 (the lower limit of the speed control range is the value under the condition of not stopping at rated torque load)	
	Speed fluctuation rate	Load fluctuation	< ± 0.01% of rated speed (load fluctuation: 0%~100%)
		Voltage fluctuation	< ±0% of rated speed (rated voltage ± 10%)
		Temperature fluctuation	Rated speed below ± 0.1% (temperature fluctuation: 25 ± 25 °C)
Torque control accuracy (reproducibility)	±1%		
Control function	Position control	Electronic gear ratio setting, pulse deviation clearing, command smoothing setting, internal PR mode, position near, position completion and feed-forward compensation	
	Speed control (internal)	4 speed parameter switching, rotary detection signal output, soft start, zero speed clamp, and speed consistency detection	
	Torque control (internal)	4 torque parameter switching, single trigger and target torque completion	
	Advanced features	Online parameter recognition, low frequency suppression, automatic vibration suppression, disturbance observer, and auto-tuning	
RS485	Modbus protocol		
Communication function	CAN	CIA-301 V4.02: CANopen application layer and communication protocol DSP-402 V2.0: drive and motion control sub-protocol	
	USB	USB2.0 standard for upper computer (12Mbps)	
Input and output signals	Assignable input signal	Operating voltage range: DC24V ± 20% Input channel: 4 Input mode: common collector input, common emitter input Input signal: <ul style="list-style-type: none"> Servo ON (/S-ON) PI-P switching (/P-CON) External torque limit on FWD (/P-OT), External torque limit on REV(/N-OT) Alarm reset (/ALM-RST) Forward-side external torque limiting (/P-CL), reverse-side external torque limiting (/N-CL) Motor rotation direction switching (/SPD-D) signal Internal speed selection (/SPD-A, /SPD-B) Control mode selection (/C-SEL) Zero clamp (/ZCLAMP) Command pulse inhibit (/INHIBIT) Magnetic pole detection (/P-DET) signal Gain selection (/G-SEL) Command pulse multiplier selection (/PSEL) Signals all are assignable and positive/negative logic can be changed	

Item		Specification
I/O signal	Assignable output signals	Operating voltage range: DC5V ~ DC30V Output channel: 2 Output mode: photo-coupler output (isolated) Output signal: <ul style="list-style-type: none"> Positioning completion (/COIN) Speed consistency detection (/V-CMP) Rotation detection (/TGON) Servo ready (/S-RDY) Torque limit detection (/CLT) Speed limit detection (/VLT) Brake (/BK) Warning (/WARN) Positioning Near (/NEAR) Command pulse input multiplier selection (/PSELA) Alarm codes (ALO1, ALO2, ALO3) Signals all are assignable and positive/negative logic can be changed
		Command pulse pattern
Command pulse	Input pattern	Linear drive, open collector
	Max. input frequency	Differential : 4pps max at high speed Open collector: maximum 200Kpps
Shutdown control		Servo alarm, servo OFF, and overtravel (OT) action
Regeneration treatment		Built-in
Overtravel (OT) prevention		P-OT, N-OT, deceleration stop or free stop
Protection		Overcurrent, overvoltage, undervoltage, overload, regeneration fault, encoder disconnection, etc
Auxiliary functions		Intelligent setting, alarm recording, JOG operation, encoder reset, inertia recognition, FFT analysis, etc
Display		3 LED indicators (ERR, RUN, PWR); Nixie tube optional
Regeneration treatment		External braking resistor

Drive Wiring Diagram



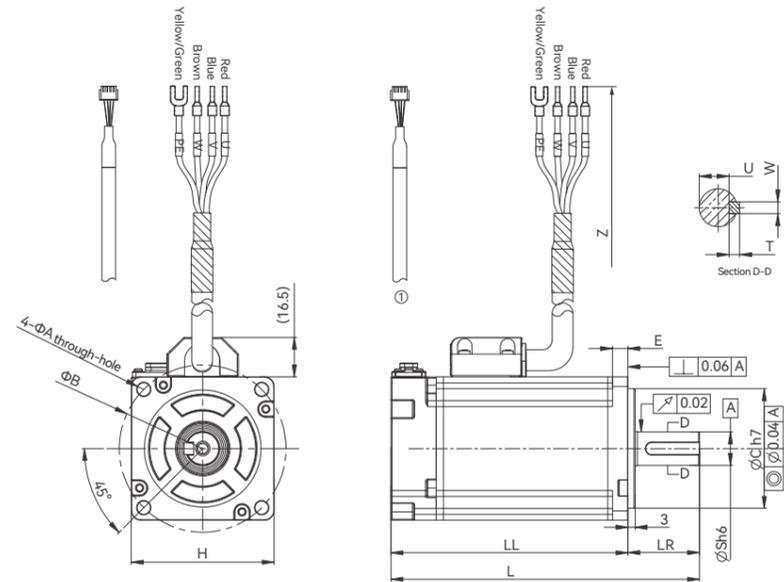
Motor Model Description



Motor Mechanical Characteristics

Item	Description
Operating system	Continuous
Oscillation	< 45m/s ² (5G) during rotation and < 24.5m/s ² (2.5G) during stop
Insulation resistance	Direct current (DC) 48V, >10MΩ
Operating ambient temperature	0°C ~ 40°C
Operating ambient humidity	20% ~ 80% (no condensation)
Excitation method	Permanent magnet type
Installation method	Flange
Insulation grade	F grade
Insulation voltage	AC 1500V for 1m (for 220V model)
Operating temperature	-15°C~40°C
Operating humidity	20~90% RH(no condensation)
Protection level	IP67 (axis end excluded)

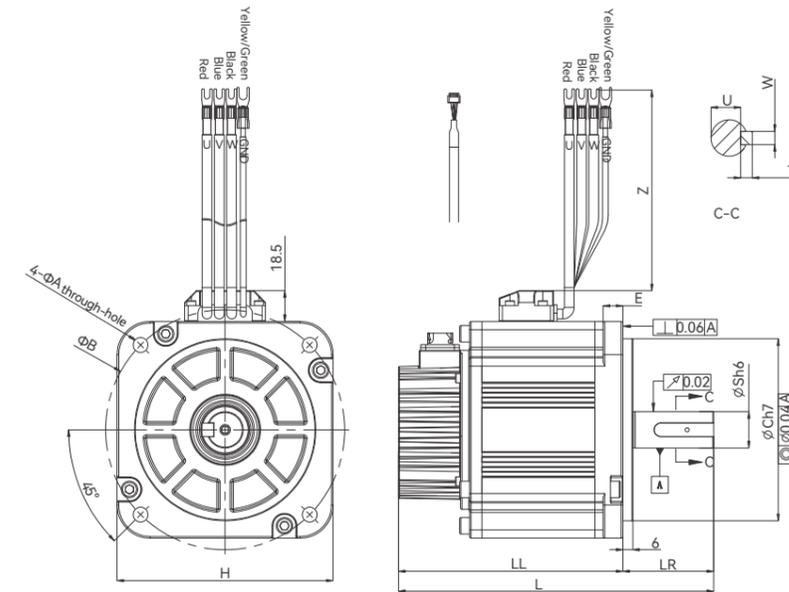
Motor Installation Dimension



Unit: mm

Model	A	B	C	S	E	F	H	L	LL	LR	T	W	U	Z
V7E-L06□-R2030-R1△	5.5	70	50	14	6.5	M5 depth 10	60	110.5	80.5	30	5	5	11	1000
V7E-L06□-R2030-R2△								141.5	111.5					
V7E-L06□-R4030-R1△								129.5	99.5					
V7E-L06□-R4030-R2△								160.5	130.5					
V7E-L06□-R6030-R1△								148.5	118.5					
V7E-L06□-R6030-R2△								179.5	149.5					
V7E-L08□-R7530-R1△	6.6	90	70	19	8	80	147	112	35	6	6	15.5	1500	
V7E-L08□-R7530-R2△							179	144						
V7E-L08□-1R030-R1△							161	126						
V7E-L08□-1R030-R2△							193	158						
V7E-L08□-1R230-R1△							179	144						
V7E-L08□-1R230-R2△							211	176						
V7E-L08□-1R530-R1△	179	144												
V7E-L08□-1R530-R2△	211	176												

Notes: ① above means the encoder lead style, the wire length can be 1m, 1.5m, 2.5m, 3.5m, 5.5m;
 "□" above means the voltage level, 24V(E) or 48V(G), and the motor sizes is the same;
 "#" above means the encoder type, single-turn absolute (Q) or multi-turn absolute (R), and the motor size is the same.
 △ above means the motor outlet type U or Y.

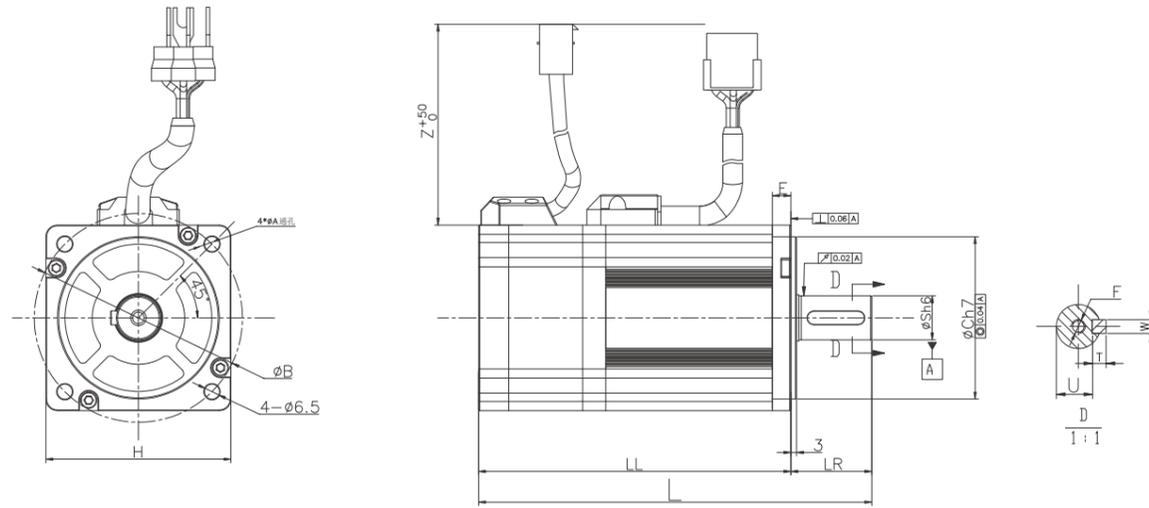


Unit: mm

Model	A	B	C	S	E	F	H	L	LL	LR	T	W	U	Z
V7E-M13□-1R530-R1△	9	145	110	22	12	M5 depth 12	130	191	136	55	7	8	18	1500
V7E-M13□-1R530-R2△								219	165					
V7E-M13G-2R030-#1△-X	9	145	110	22	12.2	M6*18	130.5	274.5	219.5	55	7	8	18	2000
V7E-M13G-2R030-#2△-X								294.5	239.5					
V7E-M13G-2R520-#1△-X								274.5	219.5					
V7E-M13G-2R520-#2△-X								294.5	239.5					
V7E-M13G-2R530-#1△-X								314.5	259.5					
V7E-M13G-2R530-#2△-X								294.5	239.5					
V7E-M13G-3R020-#1△-X														
V7E-M13G-3R020-#2△-X														
V7E-M13G-3R030-#1△-X														
V7E-M13G-3R030-#2△-X														

Notes: ① above means the encoder lead style, the wire length can be 1m, 1.5m, 2.5m, 3.5m, 5.5m;
 "□" above means the voltage level, 24V(E) or 48V(G), and the motor sizes is the same;
 "#" above means the encoder type, single-turn absolute (Q) or multi-turn absolute (R), and the motor size is the same.
 △ above means the motor outlet type U or Y.

Shorter model:



Model	A	B	C	S	E	F	H	L	LL	LR	T	W	U	Z
V7E-L06G-R2030-Q1U-YK	5.5	70	50	14	5	M5*10	60	76.5	46.5	30	5	5	11	500
V7E-L06G-R2030-Q2U-YK								109	79					
V7E-L06G-R4030-Q1U-YK								101.5	71.5					
V7E-L06G-R4030-Q2U-YK								134	104					
V7E-L08G-R7530-Q1U-YK	6.5	90	70	19	5	M6*12	80	119	84	35	6	6	15.5	
V7E-L08G-R7530-Q2U-YK								154	118					
V7E-L08G-1R030-Q1U-YK								136	101					
V7E-L08G-1R030-Q2U-YK								170	135					

Motor Parameter

48V

Model	Rated power (W)	Rated voltage (V)	Rated speed (rpm)	Max. speed (rpm)	Rated current (A)	Peak current (A)	Rated torque (N.m)	Peak torque (N.m)	Rotor inertia (Kg.m ² ×10 ⁻⁴)	Net weight (Kg)	Electromagnetic brake suction current(A)	Electromagnetic brake suction time (ms)	Electromagnetic brake static torque (N.m)	Feedback element		
V7E-L06G-R2030-R1△	200	48	3000	4000	5.3	15.9	0.64	1.92	0.18	1.0				Multi-turn 17-bit absolute encoder		
V7E-L06G-R2030-R2△								0.20	1.3	0.42	60	1.5				
V7E-L06G-R4030-R1△	400						10.6	31.8	1.27	3.81	0.34	1.4				
V7E-L06G-R4030-R2△							0.36	1.8	0.42	60	1.5					
V7E-L06G-R6030-R1△	600						15.8	47.4	1.91	5.73	0.51	1.8				
V7E-L06G-R6030-R2△							0.53	2.1	0.42	60	1.5					
V7E-L08G-R7530-R1△	750					19.9	59.7	2.38	7.14	1.02	2.6					
V7E-L08G-R7530-R2△						1.13	3.3	0.44	100	3.8						
V7E-L08G-1R030-R1△	1000					27.6	82.8	3.18	9.54	1.34	3.2					
V7E-L08G-1R030-R2△						1.45	3.9	0.44	100	3.8						
V7E-L08G-1R230-R1△	1200					32.7	98.1	3.82	11.46	1.63	3.8					
V7E-L08G-1R230-R2△						1.74	4.5	0.44	100	4.8						
V7E-L08G-1R530-R1△	1500			3400	35	105	4.76	14.28	1.94	4.4						
V7E-L08G-1R530-R2△					2.05	5.1	0.44	100	4.8							
V7E-M13G-1R530-R1△		4000			10.51	7.2										
V7E-M13G-1R530-R2△					12.65	7.2	0.46	100	16							
V7E-M13G-2R030-#1△-X	2000		3000	4000	53.3	106.6	6.4	12.8	13.4	9.6				Single-turn/multi-turn 17-bit absolute encoder		
V7E-M13G-2R030-#2△-X				13.7	10.3	0.69	<120	>15								
V7E-M13G-2R520-#1△-X	2500		2000	2500	61.3	122.6	12	24	17.5	10.4						
V7E-M13G-2R520-#2△-X				17.8	11.1	0.69	<120	>15								
V7E-M13G-2R530-#1△-X	3000		3000	4000	66.6	133.2	8	16	13.4	9.6						
V7E-M13G-2R530-#2△-X				13.7	10.3	0.69	<120	>15								
V7E-M13G-3R020-#1△-X	3000		2000	2700	79.4	158.8	14.3	28.6	21.5	11.2						
V7E-M13G-3R020-#2△-X				21.8	11.9	0.69	<120	>15								
V7E-M13G-3R030-#1△-X				17.5	10.4											
V7E-M13G-3R030-#2△-X				17.8	11.1	0.69	<120	>15								

Shorter Model																
V7E-L06G-R2030-Q1U-YK	200	48	3000	4000	5.98	11.96	0.637	1.274	0.091	0.65				Single-turn 17bit absolute value		
V7E-L06G-R2030-Q2U-YK							0.1027	1.05	0.32	60	1.5					
V7E-L06G-R4030-Q1U-YK	400						11.95	23.90	1.27	2.54	0.242	1.2				
V7E-L06G-R4030-Q2U-YK							0.2537	1.6	0.32	60	1.5					
V7E-L08G-R7530-Q1U-YK	750						22.44	44.88	2.387	4.774	0.641	1.95				
V7E-L08G-R7530-Q2U-YK							0.734	2.75	0.35	60	3.2					
V7E-L08G-1R030-Q1U-YK	1000					29.92	59.84	3.183	6.336	0.854	2.45					
V7E-L08G-1R030-Q2U-YK						0.947	4.3	0.35	60	3.2						

Note: "#" above means 17-bit single-turn absolute encoder (Q) or 17-bit multi-turn absolute encoder (R);
△ above means the motor outlet type U or Y.

24V

Model	Rated power (W)	Rated voltage (V)	Rated speed (rpm)	Max. speed (rpm)	Rated current (A)	Peak current (A)	Rated torque (N.m)	Peak torque (N.m)	Rotor inertia (Kg.m ² ×10 ⁻⁴)	Net weight (Kg)	Electromagnetic brake suction current(A)	Electromagnetic brake suction time (ms)	Electromagnetic brake static torque (N.m)	Feedback element		
V7E-L06E-R4030-R1△	400	24	3000	4000	21.2	63.6	1.27	3.81	0.34	1.4				Multi-turn 17-bit absolute encoder		
V7E-L06E-R4030-R2△							0.36	1.8	0.42	60	1.5					
V7E-L06E-R6030-R1△	600						31.6	94.8	1.91	5.73	0.51	1.8				
V7E-L06E-R6030-R2△							0.53	2.1	0.42	60	1.5					
V7E-L08E-R7530-R1△	750						38	114	2.38	7.14	1.02	2.6				
V7E-L08E-R7530-R2△							1.13	3.3	0.44	100	3.8					

Note: "#" above means 17-bit single-turn absolute encoder (Q) or 17-bit multi-turn absolute encoder (R);
△ above means the motor outlet type U or Y.

Encoder Cables

VE04-L0XX-WSNF		V7E 60/80 Single-turn encoder cable
VE06-L0XX-WSDF		V7E 60/80 Multi-turn encoder cable
VE04-L0XX-WANF		V7E 130 Single-turn encoder cable
VE06-L0XX-WADF		V7E 130 Multi-turn encoder cable
VE04-L0XX-WMNL		V7E -YK Single-turn encoder cable
VE06-L0XX-WMDL		V7E-YK Multi-turn encoder cable

Note: For flexible cables, change "ForL" to "H" at the end.

Power Cables (With U-adapter)

VM030-LXXX-DTF		V7E 24/48V 40mm flange power cable without brake
VM030-LXXX-DBTF		V7E 24/48V 40mm flange power cable with brake
VM150-LXXX-TTF		V7E 24/48V 60mm flange power cable without brake
VM150-LXXX-TBTF		V7E 24/48V 60mm flange power cable with brake
VM200-LXXX-TTF		V7E 24/48V 60mm flange power cable without brake
VM200-LXXX-TBTF		V7E 24/48V 60/80mm flange power cable with brake

Power Cables (With S-adapter)

VM250-LXXX-TTF		V7E 24/48V 60/80mm flange power cable without brake
VM250-LXXX-TBTF		V7E 24/48V 60/80mm flange power cable with brake
VM400-LXXX-TTF		V7E 24/48V 80mm flange power cable without brake
VM400-LXXX-TBTF		V7E 24/48V 80mm flange power cable with brake

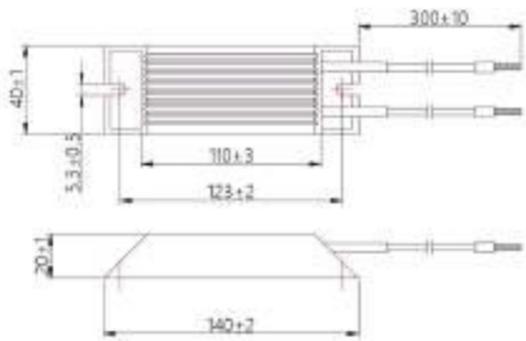
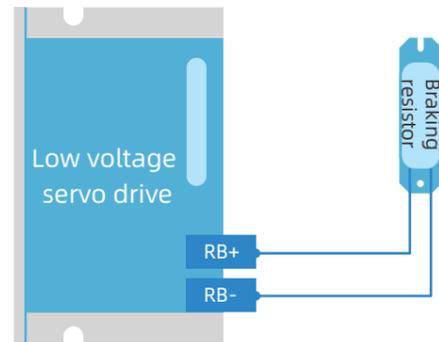
Note: For flexible cables, change "ForL" to "H" at the end.

VM030-LXXX-QTF		V7E 24/48V 40mm flange power cable without brake
VM030-LXXX-QBTF		V7E 24/48V 40mm flange power cable with brake
VM150-LXXX-PTF		V7E 24/48V 60mm flange power cable without brake
VM200-LXXX-PBTF		V7E 24/48V 60mm flange power cable with/without brake
VM250-LXXX-PTF		V7E 24/48V 60/80mm flange power cable with brake
VM400-LXXX-PBTF		V7E 24/48V 60/80mm flange power cable with/without brake
VM400-LXXX-PTF		V7E 24/48V 80mm flange power cable without brake
VM400-LXXX-PBTF		V7E 24/48V 80mm flange power cable with brake

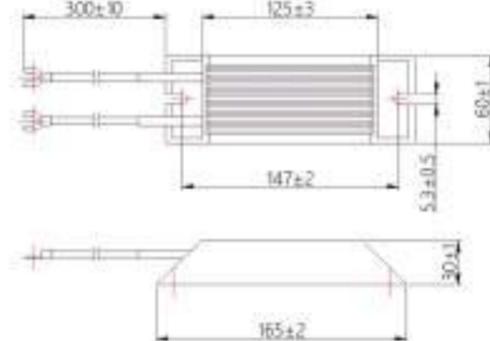
Note: For flexible cables, change "ForL" to "H" at the end.

Brake Resistor

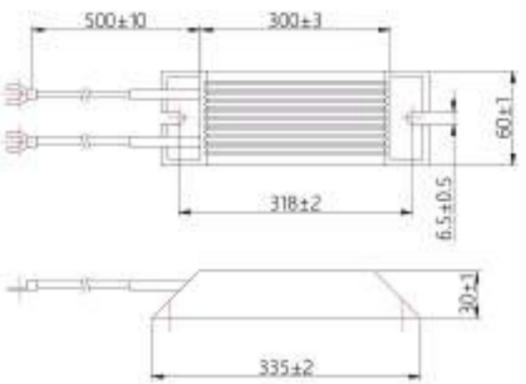
The braking resistor resistance value and power mentioned in the following table are approved according to the common inertia load and intermittent braking mode. If it is necessary to use in the occasions of large inertia or frequent braking for a long period of time, please adjust the braking resistor resistance value and resistor power according to the specifications of the selected drive and the rated parameters of the braking unit. Please consult with the customer service department of Veichi Electric Ltd. if any questions. When external regenerative resistor is connected, connect the resistor to RB+ and RB- terminals, and the wiring reference diagram is shown on the right.



Dimension 1



Dimension 2



Dimension 3

Motor power (KW)	Installation	Resistance (Ω)	Resistor power (W)
200-400W	Dimension 1	10	100
600-750W	Dimension 1	5	100
1000-1500W	Dimension 2	5	200
2000-3000W	Dimension 3	0.8	700

PN to CAN Module

Product Description:

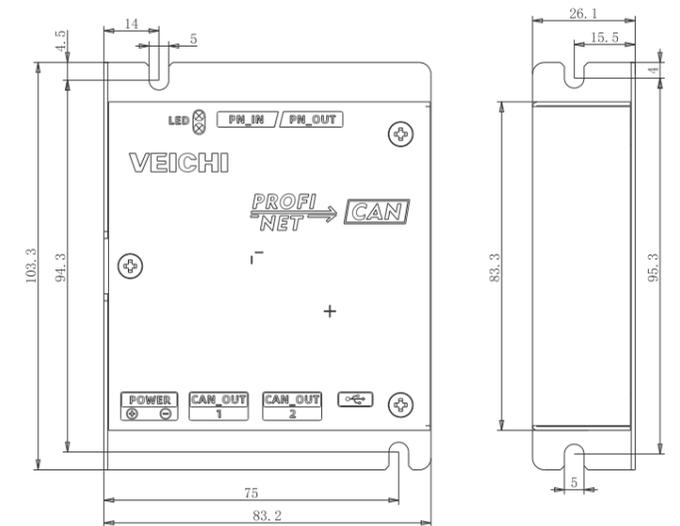
1. This module converts Profinet to CAN communication.
2. Up to 16 CAN nodes subject to communication rate/distance.
3. Applicable to all VEICHI CAN communication products.
4. Process data (PDO), Service data (SDO) communication supported.

Dimension:

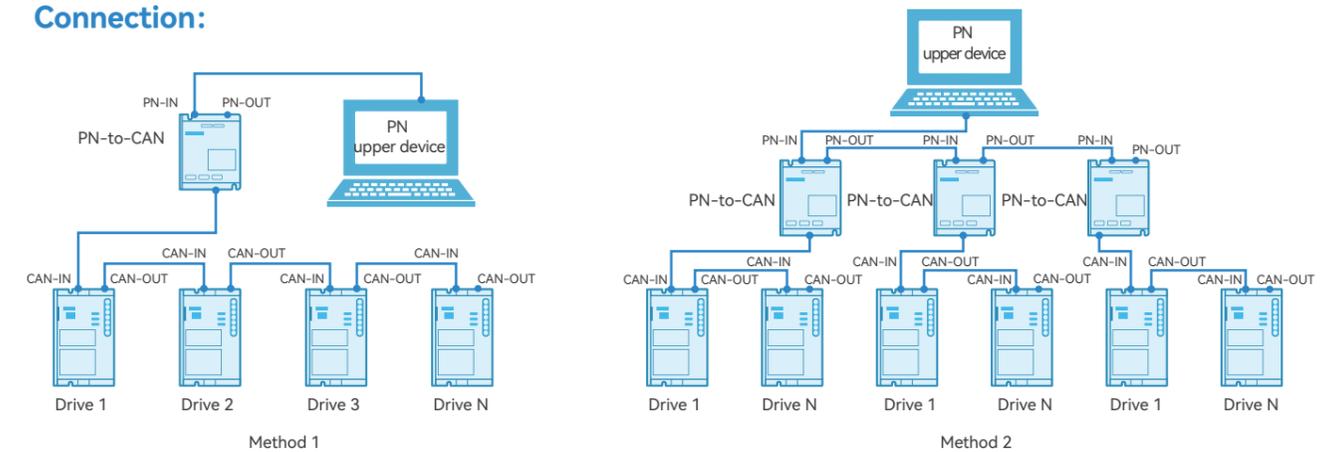


Product Description:

1. This module converts Profinet to CAN communication.
2. Up to 16 CAN nodes subject to communication rate/distance.
3. Applicable to all VEICHI CAN communication products.
4. Process data (PDO), Service data (SDO) communication supported.



Connection:



Application

• Medical devices

• Robots
(mobile robots/service robots/
specialized robots)

• Logistics sorting lines



SD100 Series Low-voltage Servo Drive

R&D and Production

R&D and technology platform

- Consolidating a dynamic force of top-tier professionals and technical experts in domestic industrial control, our R&D team represents 37.16% of our workforce, with 74.62% of our technical staff boasting bachelor's degrees or higher.
- Guided by philosophy of "Innovate with technology and strive for excellence," VEICHI is deeply customer-centric by providing stable and reliable products and technologies designed to the evolving needs of our clients.
- Investing 10% of our revenue into R&D, VEICHI has crafted advanced labs for EMC, safety, reliability, and performance testing to ensure product quality.
- In-depth cooperation with many famous universities and research institutions in China has been established and "Jiangsu Postdoctoral Innovation Practice Base" and "Jiangsu Postgraduate Workstation" are set up successively.

Intelligent automation production

- Digitally driven from inception to production, VEICHI boasts an annual capacity of 914,600 units with streamlined efficiency.
- 5 imported SMT placement lines, 5 automated coating lines, 4 DIP test lines, a robotic arm-equipped automated line, and 12 production lines are equipped with the latest intelligent manufacturing tools.
- All of the product checks are carried out automatically by the management mode of 3 (tri-inspection system)+ 1 (proportional inspection) during the whole process for standard performance.
- Three major production management system WMS, MES and ERP together ensure that the unique code of each product is traceable in the system to manage product quality.

