VEICHI

SD100 Series Low-voltage Servo Drive

Stock code : 688698

VEICHI

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*Version: Y6/2-01

About Us

Veichi Electric (Stock Code: 688698) specializes in electrical transmission and industrial control, operating as an integrated high-tech enterprise in R&D, production, and sales of industrial automation products. With a vision to lead in smart industry and green energy solutions, the company leverages its R&D and manufacturing hubs in Suzhou, additional R&D centers in Shenzhen and Xi'an, and wholly-owned subsidiaries overseas, consistently serving customers worldwide with competitive and reliable solutions.

Under the "One Core, Two New Drivers" strategy, Veichi focuses on industrial automation, offering AC drives, servo systems, and control systems widely applied across heavy and light industries, as well as high-end equipment sectors, supporting the digital and intelligent transformation of manufacturing with its tailored solutions. Simultaneously, in two emerging fields, it provides one-stop solutions for humanoid, collaborative, and mobile robots in embodied intelligence, while in green energy, it delves into segments like photovoltaic, energy storage, and hydrogen energy, to "connect every device with green power," fostering a synergistic growth between core operations and new ventures.

Sustained R&D has yielded a portfolio of proprietary patented technologies including silicon carbide application, HF injection, motor controls and protections (auto-tuning, flying-start, high-speed flux-weakening, V/F control, vector control), high-density water-cooling layout, and IGBT drive protection. As of September 30, 2025, Veichi holds 234 patents, with 66 for invention.

Over two decades of steady growth, Veichi has earned numerous certifications and accolades from national and regulatory authorities, including "High-Tech Enterprise," "Postdoctoral Research Workstation," and provincial honors like "Engineering Technology Research Center," "Enterprise Technology Center," and "Industrial Internet Development Demonstration Enterprise (Benchmark Factory Category)."

Guided by its mission to "Drive Smart Industry, Co-create a Green Future," Veichi will continue to intensify R&D and advance into high-performance, high-reliability fields to propel global progress.

2005
- Start of business in Shenzhen
- First generation of AC drive launched

2016
- Suzhou VEICHI Phase I put into operation
- First-generation motion control system successfully launched

2019
- Restructured into a joint-stock company
- VEICHI overseas subsidiary established, marking the start of global expansion

2020
- Listed on the Science and Technology Innovation Board (STAR Market)
- Recognized as a provincial SRDI "Little Giant" enterprise

2021
- VEICHI-controlled subsidiary established, enhancing industrial chain integration
- Recognized as a SRDI "Little Giant" enterprise

2022
- Xi'an R&D Center established
- VEICHI Digital Energy subsidiary founded, digitalizing the green energy
Integrated power solutions for humanoid/ collaborative/mobile robots launched, initiating deployment in the robotics sector

2023
- Suzhou VEICHI Phase II put into operation
- VEICHI Medical Equipment subsidiary established, expanding into the healthcare sector

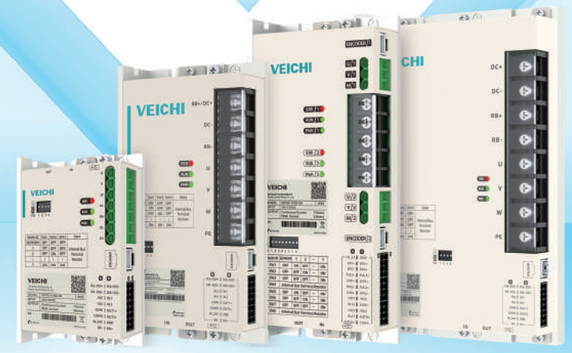
2024
- Strategic acquisition of Changzhou Jiteng, entering the port and marine sector
- "One Core, Two New Drivers" development strategy adopted

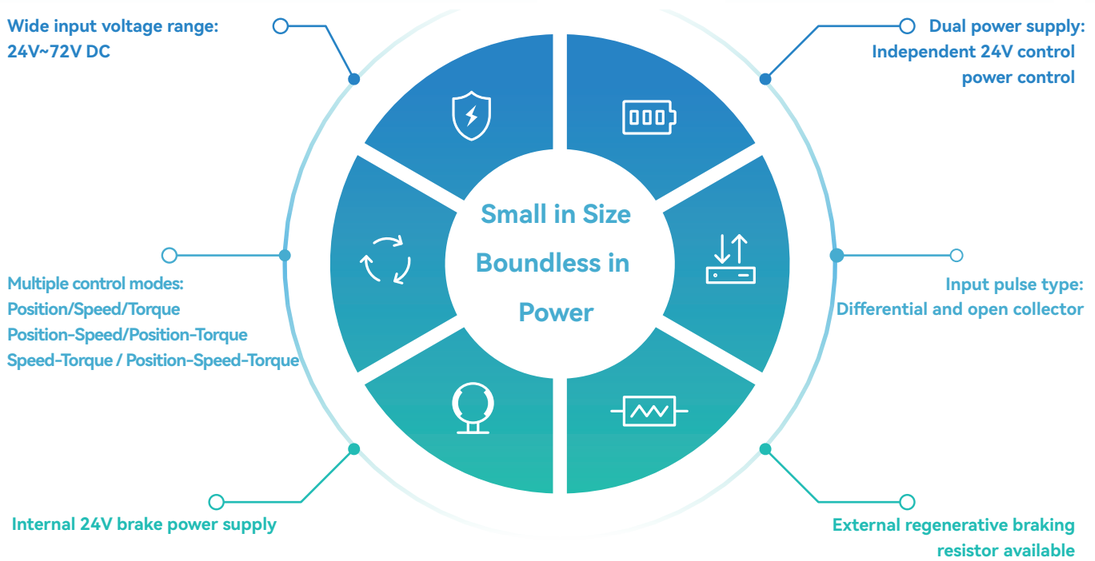
2025
- Suzhou VEICHI Phase III digital production base put into operation
- Changzhou high-end electrical equipment production base topped out
- Jiujiang smart production base groundbreaking ceremony held

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.

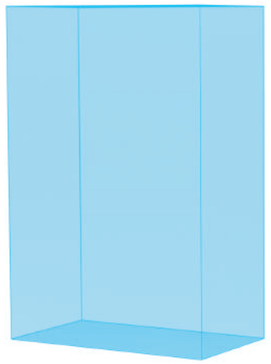




Product Features

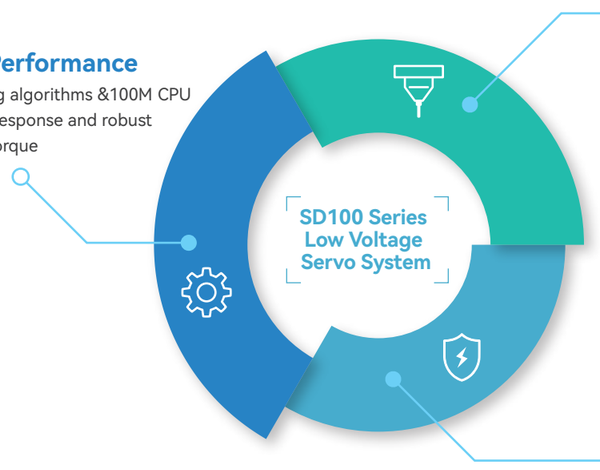
Delicate Structure

- 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

High Precision
Standard 17-bit encoder and optional 23-bit encoder

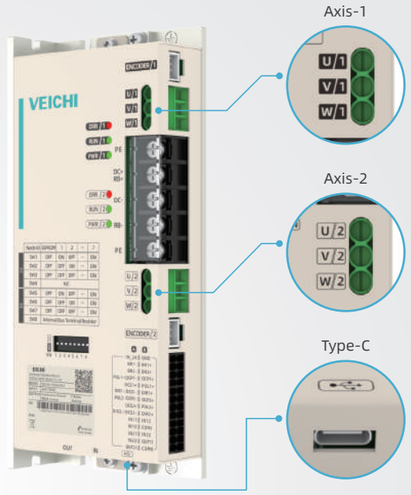
High Reliability
STO for extreme temperatures and strong vibration application

Unique Design

Dual-axis
1+1 > 2
Dual-axis control with one chip doubles the performance

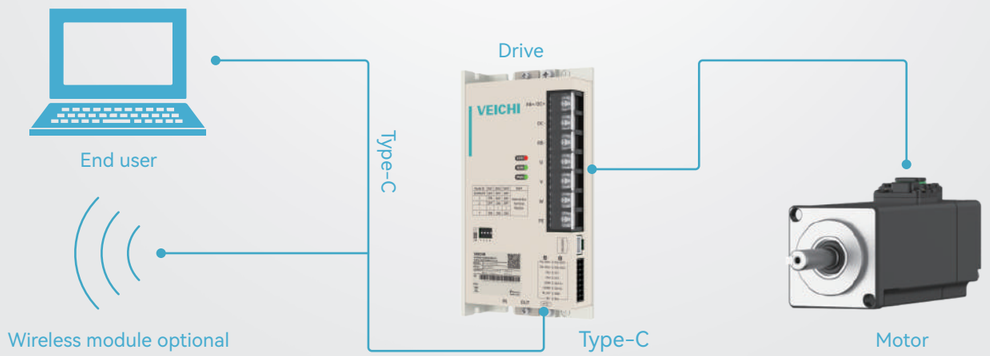
Debugging
Type-C
Type-C port eliminates the dedicated cables

Dissipation
50℃
Exclusive cooling technology defies 50°c heat with ease



User Friendly

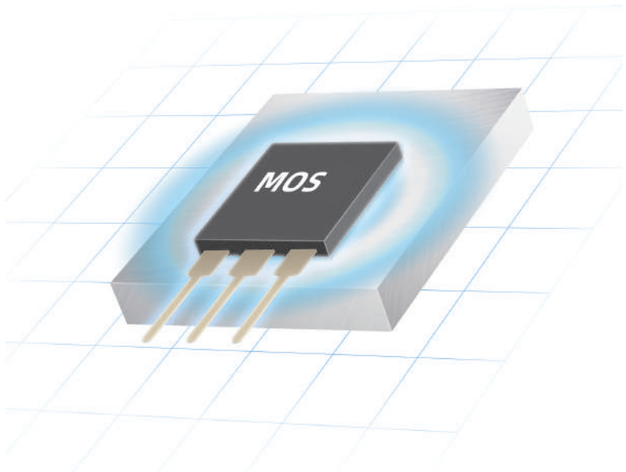
Easy wiring: Quick European-type plug-in terminals are used to reduce wiring time.
Easy debugging: Standard Type-C interfaces are convenient for PC software and Bluetooth module is optional for APP debugging.
Easy mounting: Both front and side installation are allowed thus suitable for different scenarios.



Super Overload Capacity

Overload Capacity
3 times stronger in power devices

Unique heat dissipation further enhances efficient overload operation.



Certification

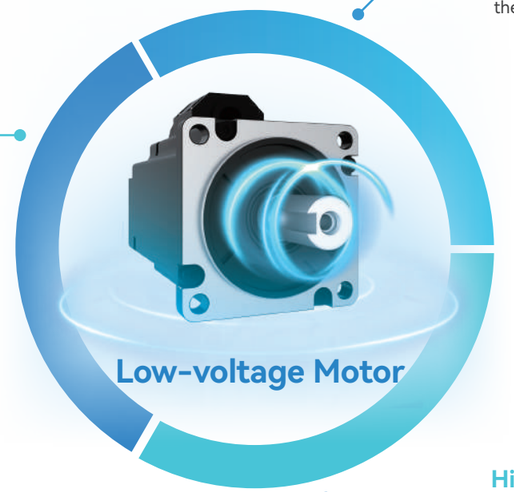
CE & ROSH for wider international market compliance

Short frame

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

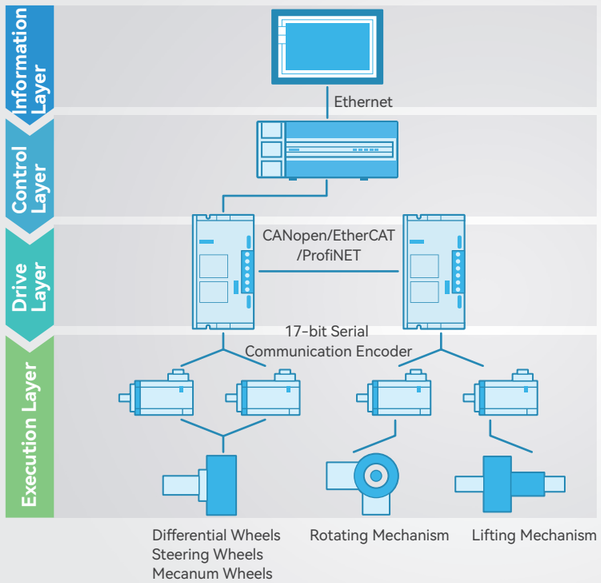
High performance

New electromagnetic design for lower torque fluctuation and higher output



High reliability

Low temperature rise and F class insulation for stable operation under extreme environment



Synchronous Operation

Bus interaction as well as external circuit interaction for synchronous startup/shutdown and synchronous brake/stop to protect the equipment in face of faults

Diverse Buses

CANopen, EtherCAT, Profinet, Modbus-RTU and other bus communication protocols available

EtherCAT
PROFINET
Modbus
CANopen

Energy-saving Function

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

ECO mode in standby saves energy and extends battery life by more than 10%.

Energy efficiency	Battery life
10% or more	10% or more

Servo Drive Naming Rules

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

Output Axes:
Blank: Single-axis
2: Dual-axis
A: Analog input

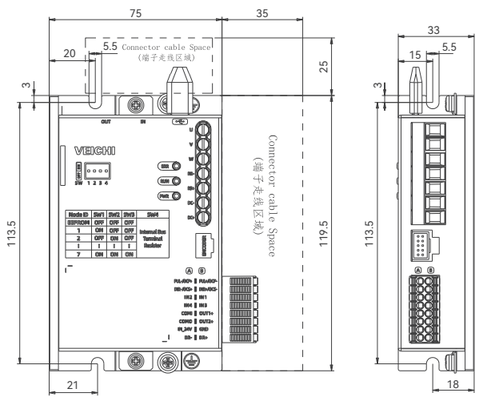
Encoder Type
A: Serial encoder

Control Method
P: Pulse
E: EtherCAT
C: CANopen（Profinet for option）

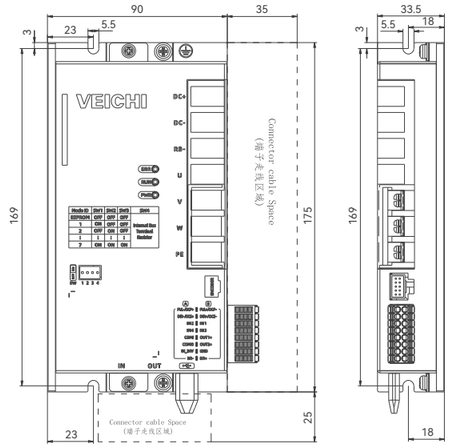
Servo Drive Specification

Model	Input	Output (RMS)	
	DC Voltage (V)	Rated Current (A)	Instantaneous Current (A)
SD100-110G	DC 24-70V	11	42
SD100-210G	DC 24-70V	21	63
SD100-300G	DC 24-70V	30	90
SD100-400G	DC 24-70V	40	120
SD100-600G	DC 24-70V	60	180
SD100-800G	DC 24-70V	80	240

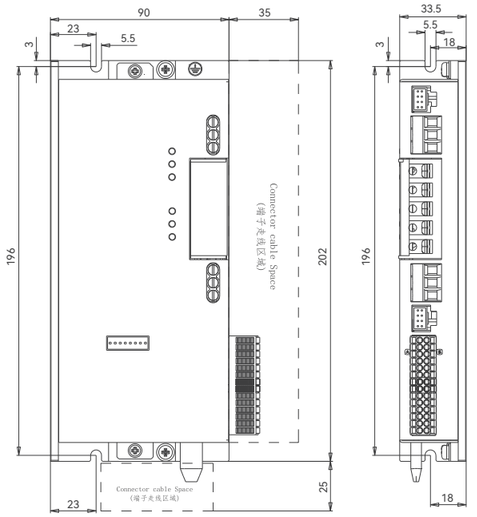
Servo Drive Appearance and Dimensions



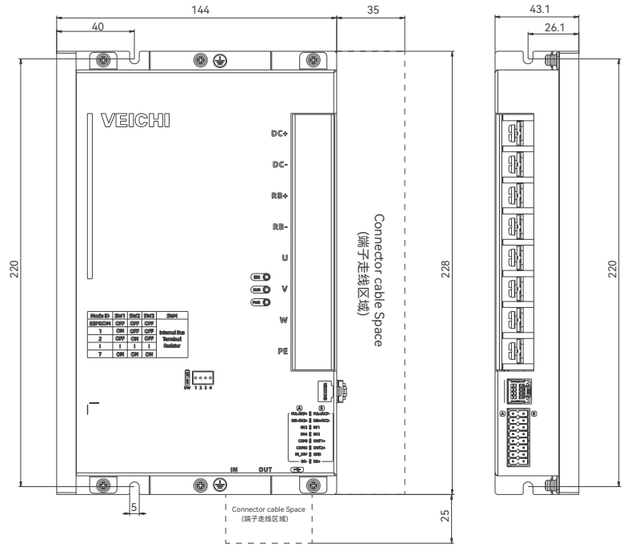
SD100-110G，SD100-210G



SD100-300G，SD100-400G



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



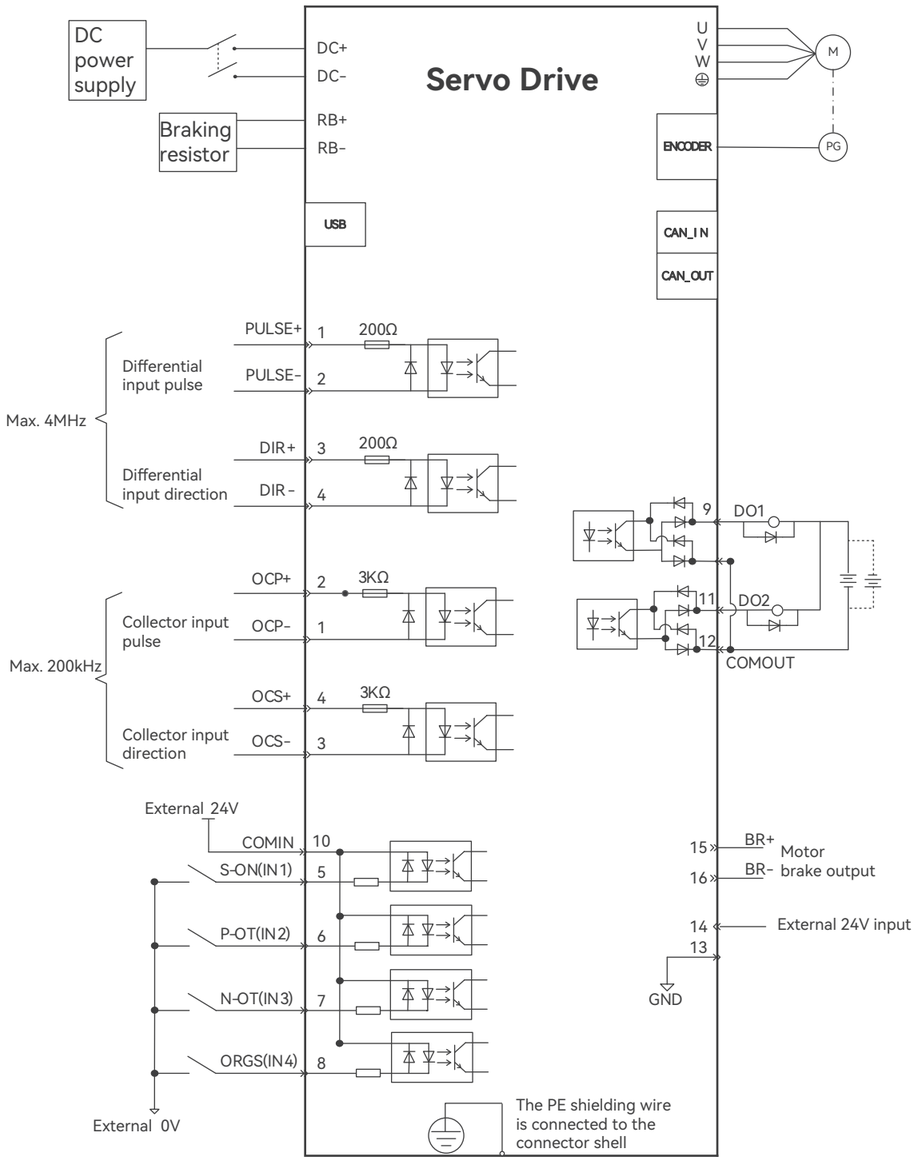
SD100-600G，SD100-800G

Servo Drive Technical Specification

Item			Specification
Control method			MOS PWM control for sine wave current
Feedback	With rotary servo motor		Serial encoder: 17-bit absolute encoder
Environmental condition	Ambient temperature		Standard: -5℃~55℃ (derate between 55℃-60℃); Low-temperature models:-40℃~-5℃（no condensation）
	Storage temperature		Standard: -20℃~85℃; Low temperature models:-40℃~-5℃
	Operating humidity		< 95%RH (no freezing or condensation)
	Storage humidity		< 95%RH (no freezing or condensation)
	Oscillation		4.9m/s²
	Impact		19.6m/s²
	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.
Standards			IEC61800-2/-3/-5、IEC61000-2/-3/-4
Installation			Side installation/base installation
Performance	Speed control range		1:5000 (minimum controllable speed under rated torque without stopping)
	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 ℃)
	Torque control accuracy (reproducible)		±1%
Control function	Position control		Electronic gear ratio setting, pulse deviation clearing, command smoothing setting, internal PR mode, position near, position coincidence and feed-forward compensation
	Speed control (internal)		4 internal torque switching, rotary detection signal output, soft start, zero clamp, and speed completion signal output
	Torque control (internal)		4 torque parameter switching， single trigger and torque reference arrival signal output
	Advanced features		Online parameter recognition, low frequency suppression, automatic vibration suppression, disturbance observer, and auto-tuning
	RS485		Modbus protocol
Communication function	CANopen		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 PC (12Mbps)
Input and output signals	Assignable input signal (Positive/negative logic changeable)		Operating voltage range: DC24V ± 20% Input No.: 4 Input mode: Common collector and common emitter input Input signal: • Servo ON (/S-ON) • Manual PI-P control (/P-CON) • Positive-overtravel (P-OT), Negative-overtravel(N-OT) • Alarm reset (/ALM-RST) • Positive external torque limit (/P-CL), Negative external torque limit(/N-CL) • Motor direction switching (/SPD-D) • Internal speed selection (/SPD-A, /SPD-B) • Control mode selection (/C-SEL) • Zero clamp (/ZCLAMP) • Pulse inhibit (/INHIBIT) • Pole detection (P-DET) • Gain selection (/G-SEL) • Pulse multiplier selection (/PSEL)

Item		Specification
I/O signal	Assignable output signals (Positive/negative logic changeable)	Operating voltage range: 5V~30V DC Output No.: 2 Output mode: Photocoupler (Isolated) Output signal: • Position coincidence (/COIN) • Velocity completion(/V-CMP) • Rotation detection (/TGON) • Servo ready (/S-RDY) • Torque limit (/CLT) • Velocity limit (/VLT) • Brake (/BK) • Warning (/WARN) • Position near(/NEAR) • Pulse input multiplier(/PSELA) • Alarm (/ALO1, /ALO2, /ALO3)
Pulse input	Pulse pattern	Sign + Pulse Train, CW+CCW Pulse Train, 90°-Difference Two-Phase Pulse
	Input pattern	Linear drive, open collector
	Max. input frequency	Differential input: 4Mpps max.; Open collector: 200Kpps max
Stop method		Drive stops under errors, /Servo OF signal and /P-OT & /N-OT
Regenerative brake		Built-in/external regenerative brake resistor supported
Overtravel (OT) prevention		P-OT, N-OT , deceleration stop or free stop
Protection		Overcurrent, overvoltage, undervoltage, overload, regeneration error, encoder disconnection, etc
Auxiliary functions		Intelligent setting, error history, JOG operation, encoder reset, inertia recognition, FFT analysis, etc
Display		3 LED indicators (ERR, RUN, PWR); Nixie tube optional

Drive Wiring Diagram



Servo Motor Naming Rules

V7E - L 06 G - R40 30 - R 1 K

Product Series
V7E

Inertia Level
L: Low

Flange
06: 60mm
08: 80mm

Voltage Level
E: 24V DC
G: 48V DC
I : 72V DC

Rated Power

Code	Power
R40	400W
R75	750W

Wiring Configuration
Y: [Power] Direct out · [Encoder] Pluggable
U: [Power] 0.5m adapter · [Encoder] Pluggable
S: [Power] 0.5m waterproof adapter · [Encoder] Pluggable

Code	Brake
1	Without brake
2	With brake

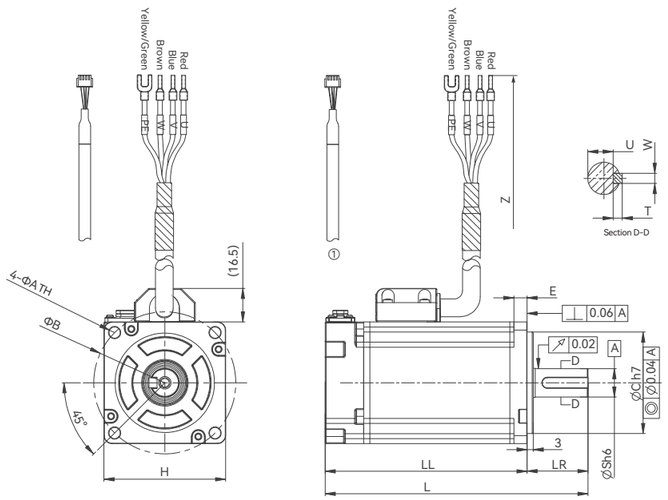
Encoder Type
R: 17-bit multiturn absolute encoder

Rated Speed (RPM)
30: 3000

Servo Motor Mechanical Characteristics

Item	Description
Operating system	Continuous
Oscillation	< 49m/s² (5G) during operation and < 24.5m/s² (2.5G) during stop
Insulation resistance	>10MΩ under 48V DC
Operating temperature	Standard: -15℃ ~ 40℃; Low-temperature models : -40℃ ~ 40℃
Operating humidity	20% ~ 80% (no condensation)
Excitation method	Permanent magnet type
Installation method	Flange
Insulation class	F
Insulation voltage	AC 1500V for 1m (for 200V models)
Storage temperature	-15℃~60℃
Storage humidity	20~80% RH(no condensation)
Protection level	IP67 (axis end excluded)

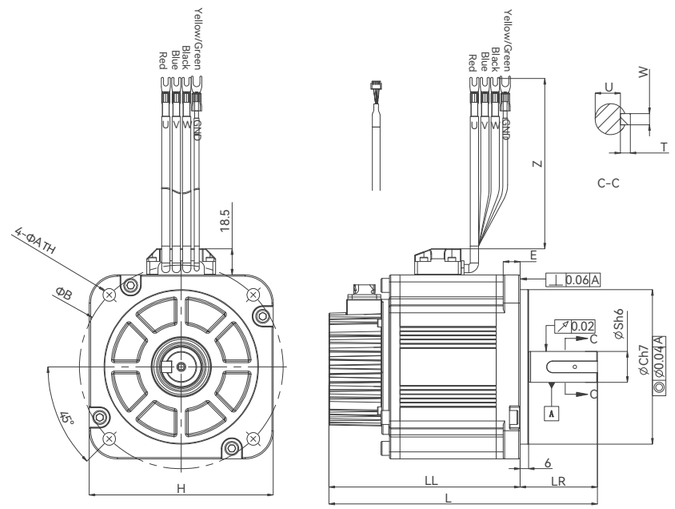
Servo Motor Installation Dimension



Unit: mm

Model	A	B	C	S	E	F	H	L	LL	LR	T	W	U	Z
V7E-L04□-R1030-R1△	4.5	46	30	8	5.5	M5 ↓ 10	40	82.5	107.5	30	3	3	6.2	1000
V7E-L04□-R1030-R2△								108.9	133.9					
V7E-L06□-R2030-R1△	5.5	70	50	14	6.5		60	110.5	80.5	30	5	5	11	
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, and the wire length can be 1m, 1.5m, 2.5m, 3.5m, 5.5m;
□ above means the voltage level, 24V(E) or 48V(G) with the same motor size;
above means the encoder type, single-turn absolute (Q) or multi-turn absolute (R) with the same motor size;
△ above means the power line outlet type U or Y.

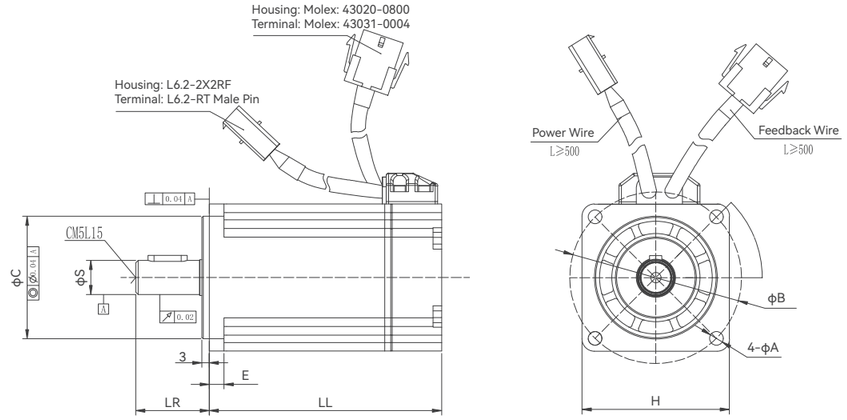


Unit: mm

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 ↓ 12	130	191	136	55	7	8	18	1500
V7E-M13□-1R530-R2△								219.2	164.2					
V7E-M13G-2R030-#1△-X	9	145	110	22	12.2	M6*18	130.5	186.5	157.5	55	7	8	18	2000
V7E-M13G-2R030-#2△-X														
V7E-M13G-2R520-#1△-X								226.5	197.5					
V7E-M13G-2R520-#2△-X														
V7E-M13G-2R530-#1△-X								206.5	177.5					
V7E-M13G-2R530-#2△-X														
V7E-M13G-3R020-#1△-X								226.5	197.5					
V7E-M13G-3R020-#2△-X														
V7E-M13G-3R030-#1△-X								206.5	197.5					
V7E-M13G-3R030-#2△-X														

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

Shorter model:



Model	A	B	C	S	E	H	LR	LL
V7E-M06G-R2030-#1U-A	5.5	70	50	14	7.5	60	30	52
V7E-M06G-R2030-#2U-A								79
V7E-M06G-R4030-#1U-A								71
V7E-M06G-R4030-#2U-A								98
V7E-M08G-R7530-#1U-A	6.5	90	70	19	8	80	35	83.5
V7E-M08G-R7530-#2U-A								117
V7E-M08G-1R030-#1S-A								95.5
V7E-M08G-1R030-#2S-A								129

Servo Motor Specifications

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.m2×10^-4)	Net Weight (Kg)	Brake Activation Current (A)	Brake Activation Time (ms)	Brake Static Torque (N·m)	Encoder Type
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				28	84	3.82	11.46	2	3.8				
V7E-L08G-1R230-R2△									2.11	4.5	0.44	100	4.8	
V7E-L08G-1R530-R1△	1500			3400	35	105	4.76	14.28	2	4.4				
V7E-L08G-1R530-R2△									2.11	5.1	0.44	100	4.8	
V7E-M13G-1R530-R1△				4000	38.7	116.1	4.8	14.4	10.51	7.2				
V7E-M13G-1R530-R2△					41.93	125.79			12.65	7.2	0.46	100	16	
V7E-M13G-2R030-#1△-X	2000	48	3000	4000	53.3	106.6	6.4	12.8	10.1	9.6				Single-turn/ multi-turn 17-bit absolute encoder
V7E-M13G-2R030-#2△-X									10.8	10.3	0.69	<120	>15	
V7E-M13G-2R520-#1△-X	2500		2000	2500	61.3	122.6	12	24	17.1	10.4				
V7E-M13G-2R520-#2△-X									17.8	11.1	0.69	<120	>15	
V7E-M13G-2R530-#1△-X			3000	4000	66.6	133.2	8	16	10.1	9.6				
V7E-M13G-2R530-#2△-X									10.8	10.3	0.69	<120	>15	
V7E-M13G-3R020-#1△-X	3000		2000	2700	79.4	158.8	14.3	28.6	17.1	11.2				
V7E-M13G-3R020-#2△-X									17.8	11.9	0.69	<120	>15	
V7E-M13G-3R030-#1△-X			3000	4000	79.5	159	9.55	19.1	14.1	10.4				
V7E-M13G-3R030-#2△-X									14.8	11.1	0.69	<120	>15	
Shorter Model														
V7E-M06G-R2030-#1U-A	200	48	3000	3800	6	19	0.64	1.92	0.25	0.65				Single-turn 17bit absolute encoder
V7E-M06G-R2030-#2U-A									0.27	1.05	0.32	60	1.5	
V7E-M06G-R4030-#1U-A	400			3700	11	35	1.28	3.84	0.56	1.2				
V7E-M06G-R4030-#2U-A									0.58	1.6	0.32	60	1.5	
V7E-M08G-R7530-#1U-A	750			3800	19.5	60	2.39	7.17	1.35	1.95				
V7E-M0BG-R7530-#2U-A									1.45	2.75	0.35	60	3.2	
V7E-M0BG-1R030-#1S-A	1000			3800	28	85	3.18	9.55	1.65	2.45				
V7E-M0BG-1R030-#2S-A									1.75	3.3	0.35	60	3.2	

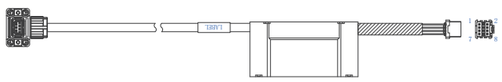
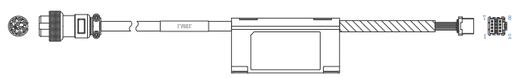
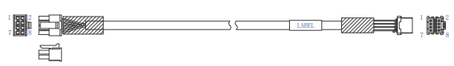
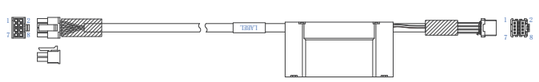
Note: # above means 17-bit single-turn absolute encoder (Q) or 17-bit multi-turn absolute encoder (R);
△ above means the motor outlet type U or Y.

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.m2×10^-4)	Net Weight (Kg)	Brake Activation Current (A)	Brake Activation Time (ms)	Brake Static Torque (N·m)	Encoder Type
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	0.32	60	1.5	
V7E-L06E-R6030-R1△	600				30	90	1.91	5.73	0.51	1.8				
V7E-L06E-R6030-R2△									0.53	2.1	0.32	60	1.5	
V7E-L08E-R7530-R1△	750				36.7	110.1	2.38	7.14	1.02	2.6				
V7E-L08E-R7530-R2△									1.13	3.3	0.354	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.

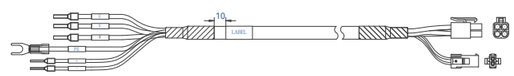
Encoder Cables

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(A) Single-turn encoder cable
VE06-L0XX-WMDL		V7E-YK(A) Multi-turn encoder cable

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

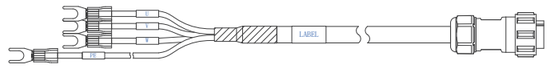
Power Cables（With U-adapter）

VM030-LXXX-DTF		V7E 24V/48V 40 flange without brake
VM030-LXXX-DBTF		V7E 24V/48V 40 flange with brake
VM150-LXXX-TTF		V7E 24V/48V 60 flange without brake
VM150-LXXX-TBTF		V7E 24V/48V 60 flange with brake

VM200-LXXX-TTF		V7E 24V/48V 60 flange without brake
VM200-LXXX-TBTF		V7E 24V/48V 60/80 flange with brake
VM250-LXXX-TTF		V7E 24V/48V 60/80 flange without brake
VM250-LXXX-TBTF		V7E 24V/48V 60/80 flange with brake

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

Power Cables（With S-adapter）

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

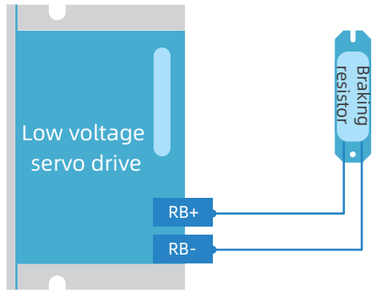
Note: For flexible cables, change “ForL” to “H” at the end.

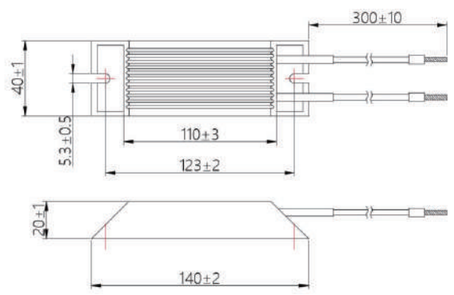
Brake Resistor

The resistance and power values listed in the table are validated for common inertial loads and intermittent braking applications.

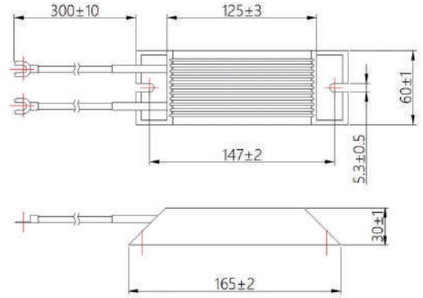
For demanding conditions — such as high-inertia systems or prolonged frequent braking — please recalculate and adjust the braking resistor specifications according to your drive model and braking unit ratings.

Wiring guidance:
Connect the external regenerative resistor between the RB+ and RB− terminals, as shown in the diagram on the right.

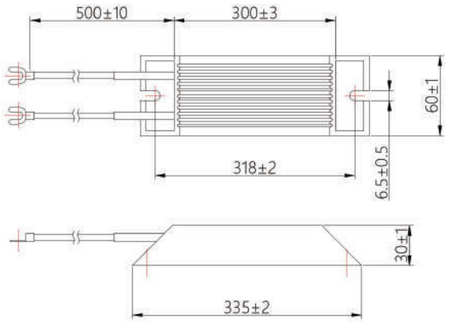




Dimension 1



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

Profinet to CAN Gateway

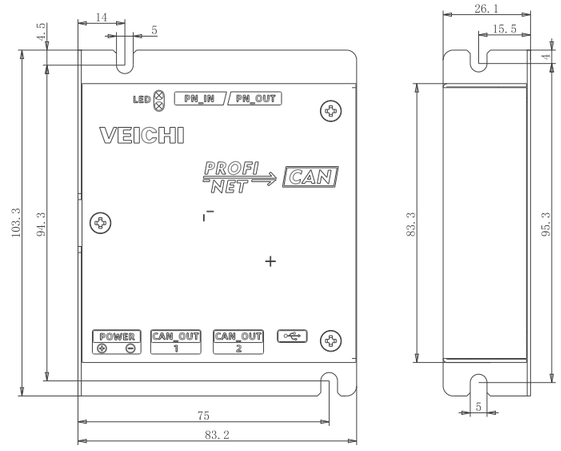
Introduction

Bridge: Converts Profinet to CANopen
Scale: Up to 16 CAN nodes (rate/distance dependent)
Compatible: All VEICHI CAN products
Communicate: PDO & SDO supported

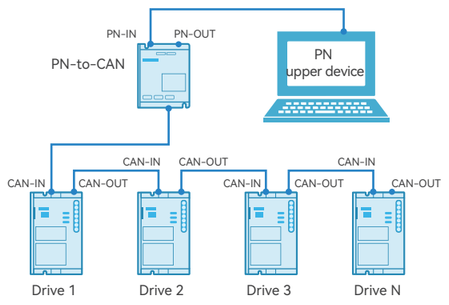
Specifications

Power: DC24V / DC15V (directly via SD100 Ethernet)
Configuration: Host-software with configurable and flexible mapping
Design: Status LEDs + Type-C upgrade port
Model: SD100-PN-CA

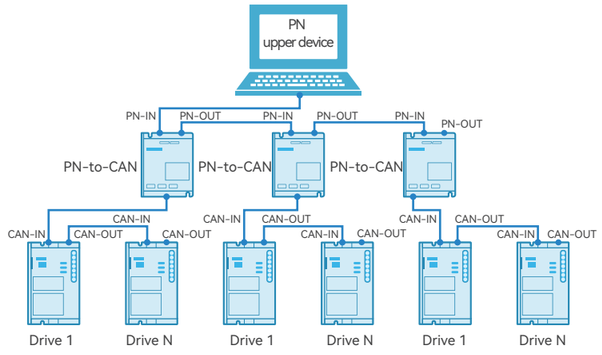
Dimension



Wiring



Method 1



Method 2

Application

- Robots
  (mobile robots/service robots/
  specialized robots)
- Logistics sorting lines
- Medical devices

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.