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CENCOOR

Innovation,Technology
SmartFactory,LeadershipInFuture

Guangzhou Cencoor Electric Co., Ltd.

CENCOOR

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OfficialWebsite

- The **most potential** brand in low voltage inverter market
- The **most growing** brand of automation in China
- Annual capacity: **500000** sets of inverters

Brand Strength

- **187** intellectual property rights have been obtained (26 invention patents, 59 utility model patents, 34 design patents and 68 software copyrights)
- Focus on motor drive control for **15** years (Master the leading technology of high performance variable frequency vector control and motion control.)

Core Technology

- It has provided drive and control solutions for more than **1.5 million** motors worldwide.
- Implement local service strategy, more than **15** liaison offices, more than **80** service outlets.

First Class Service

Guangzhou Cencoor Electric Co., Ltd. is a state-certified private high-tech enterprise as well as a software enterprise recognized by Shenzhen Science and Technology and Information Bureau. Since its establishment, the company specializes in the development, production, sales and service of industrial automation products. The main products are frequency converter, servo drive and system, soft starter, electric vehicle motor controller, solar photovoltaic inverter and pump controller, inverter, man-machine interface, programmable controller, power supply system, power supply products. At present, its marketing network is located in many countries and regions along the "one belt and one road" both at home and abroad.

T200 Mini Variable-Frequency Drive

Power range: single-phase power supply (200-240V): 0.4-1.5KW; three-phase power supply (380-480V): 0.75-2.2KW

T200 mini Variable-Frequency Drive is positioned as a common application of small power OEM matching market, adopting vector V / F control technology. This series of Variable-Frequency Drive have many common functions, such as PID, multi-stage speed, DC braking, MODBUS communication, etc., with complete functions and smaller volume, which can further reduce the installation space.

- V/F control
- 5 circuits DI, 1 circuits AI, 1 relay control
- Exquisite figure, compact structure

Technical Specification Table

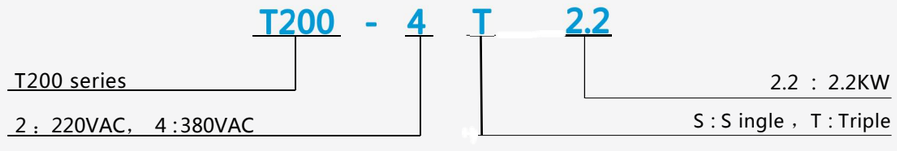
Control	Control mode	V/F
	Starting torque	0.5Hz/150%（V/F）
	Speed regulation range	1：100
	Speed stabilization accuracy	±0.5%
	Overload capacity	150% rated current 60s；180% rated current 3s
Input	Input voltage range	220V/380V±15%
	Input frequency range	50/60Hz. Fluctuation range: ± 5%
	Output voltage range	0-220V. 0-415V
	Output frequency range	0~320Hz
Input	AI	1 circuit, 1 circuit 0-10V（4-20mA）
	DI	5 circuits
	AO	Null
	DO	Null
	Delay output	1 circuit (Normally open)
	RS485 interface	1 circuit
	Power supply	1 circuit 10V
Environment	Altitude	Lower than 1000m, if it is higher than 1000m, the derating will be 1% for every 100m increase.
	Ambient temperature	-10℃~+40℃ (the ambient temperature is 40 ℃ - 50 ℃, please derate in use)
	Humidity	Less than 95% RH, no water condensation.
	Vibration	Less than 5.9 m/s2（0.6g）
	Storage temperature	-20℃~+60℃

Applications

Woodworking machinery, food packaging, electronic equipment, logistics equipment, and other small power transmission occasions.



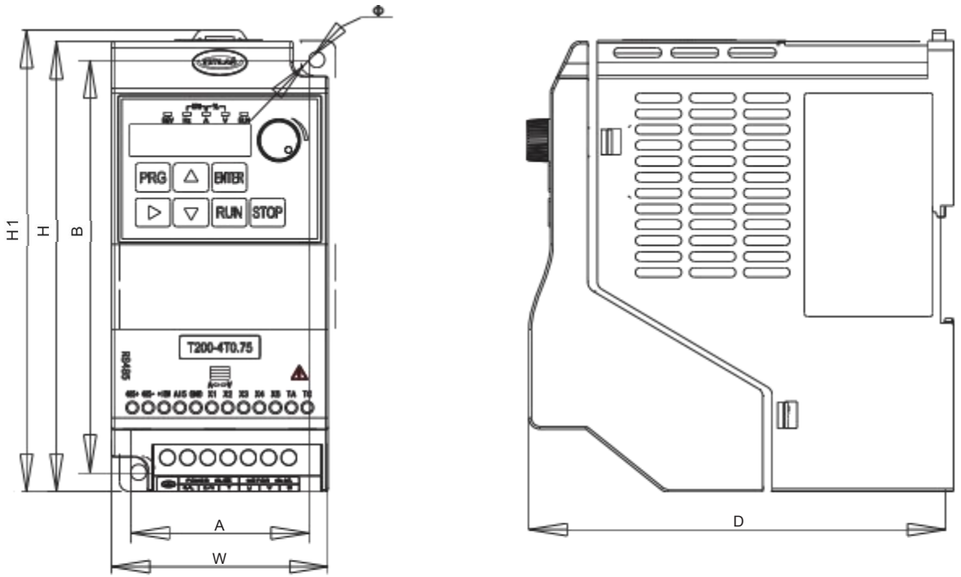
Nameplate and Model



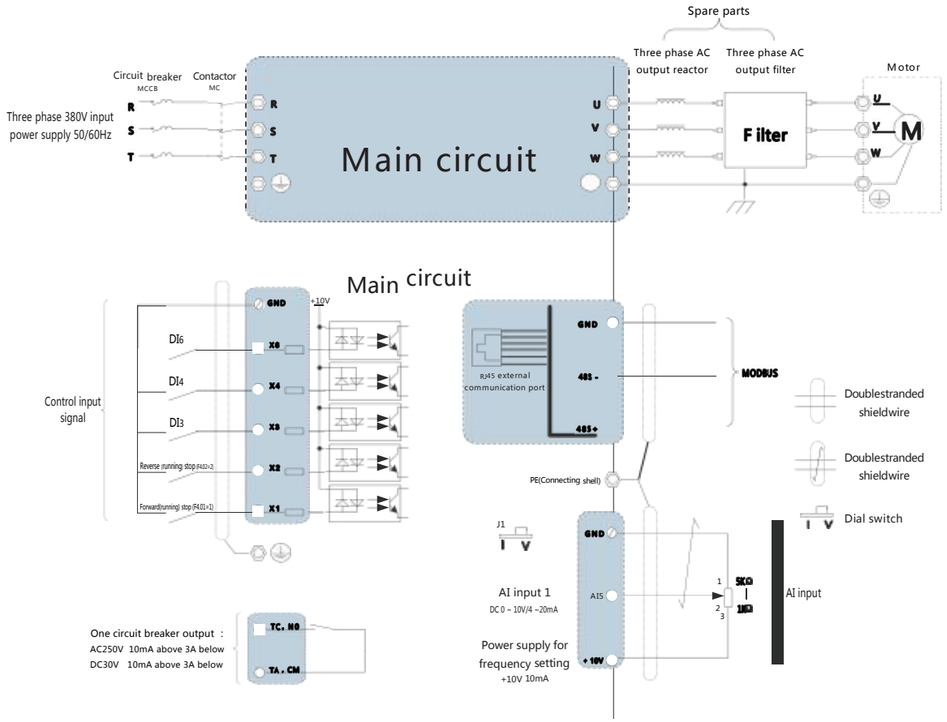
■ Model Selection Table

Shell code	Model	Position bore(mm)		Overall dimension(mm)				Mounting diameter(mm)	Weight (Kg)
		A	B	H	H1	W	D		
M1	T200-2S0.4	56	130	142	145.5	68	131	⌀5.0	0.8
	T200-2S0.75								
	T200-2S1.5								
	T200-4T0.75								
	T200-4T1.5								
	T200-4T2.2								

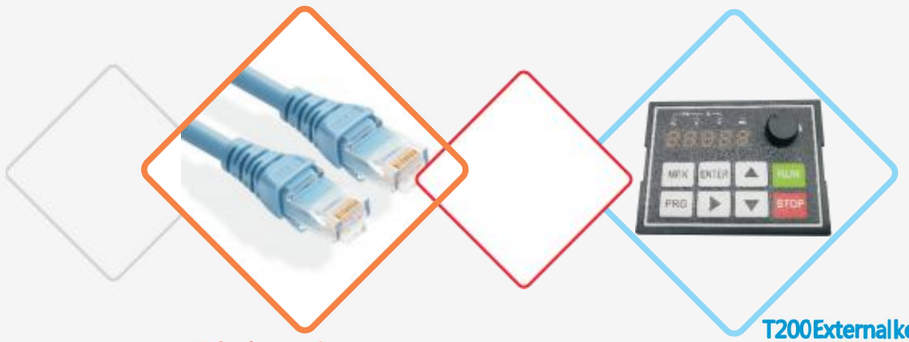
■ Overall Dimension



■ Wiring Diagram



■ Accessories



Telephone wire

Purpose: lead wire for external keyboard.

T200 External keyboard

Purpose: to connect frequency converter, easy to operate.

T510 Series General Purpose Inverter

Power range: single-phase power supply (200-240V) : 0.4-2.2KW; three-phase power supply (380-480V) : 0.75-37kW

T510 series inverter adopt speed sensorless vector control technology, the product has excellent driving performance and control functions; the product has rich hardware configuration, powerful software functions, and has a greater improvement in ease of use and reliability, which can better meet the different needs of various industrial control occasions. T510 series 0.75~22kw built-in
standard braking unit, 30~37kw selected built-in braking unit, the whole series of independent duct design, improve product reliability and performance, enhance product competitiveness.

- SVC/VF control
- 6 circuits DI, 3 circuits AI, 2 circuits relays
- High reliability design

Technical Specification Table

Control	Control mode	V/F control; Open loop vector control (SVC); Torque control
	Starting torque	G type : 0.5Hz/150%（SVC） P type : 0.5Hz/100%
	Speed regulation range	1：100 （SVC）
	Speed stabilization accuracy	±0.5%（SVC）
	Overload capacity	G type : 150% rated current 60s; 180% rated current 3s P type : 120% rated current 60s; 150% rated current 3s
Input	Input voltage range	220V/380V±15%
	Input frequency range	50/60Hz. Fluctuation range: ± 5%
	Output voltage range	0-220V, 0-415V
	Output frequency range	SVC:0~320Hz, V/F: 0~3200Hz
Interface	AI	2 circuit , 1 circuit 0-10V, 1 circuit 0-20mA
	DI	6 circuits, X5 compatible with high-speed pulse Input
	AO	2 circuits
	DO	1 circuit, compatible with high-speed pulse output
	Relay output	2 circuit
	RS485 interface	1 circuit
	Power supply	2 circuits: 1 circuit DC 10V, 1 circuit DC 24V
Environment	Altitude	Lower than 1000m, if it is higher than 1000m, the derating will be 1% for every 100m increase.
	Ambient temperature	-10℃ ~ +40℃ (the ambient temperature is 40 ℃ - 50 ℃, please derate in use)
	Humidity	Less than 95% RH, no water condensation.
	Vibration	Less than 5.9 m/s2（0.6g）
	Storage temperature	-20℃ ~ +60℃

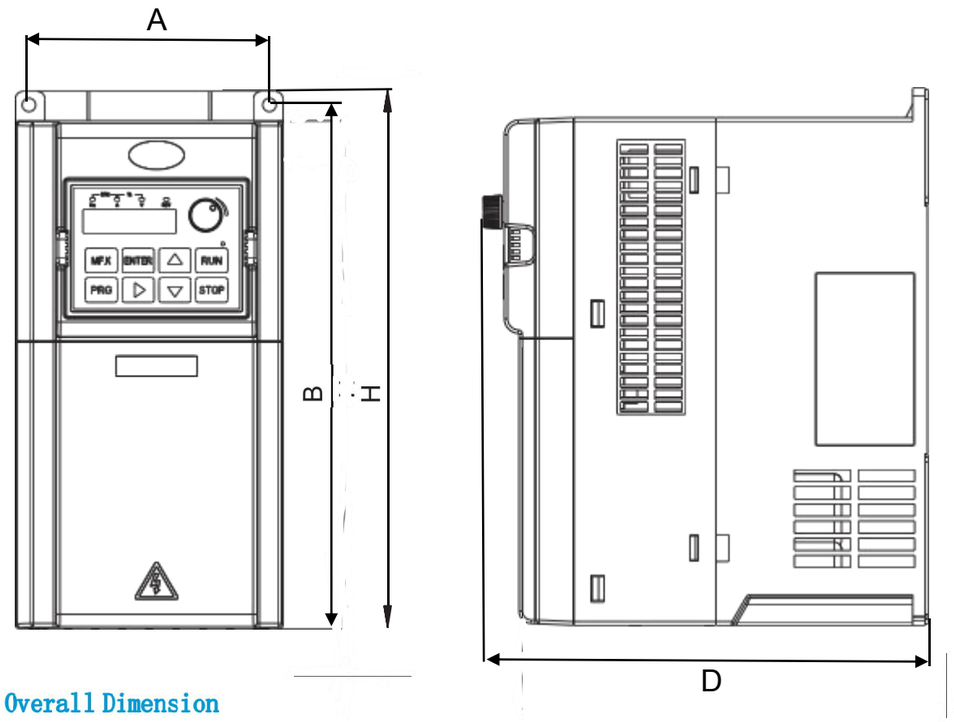
Applications

Machine tool、 Cable machinery、 Petrochemical industry、Textile industry、 Food packaging、 Eluting equipment、 Centrifuge etc.

Nameplate and Model

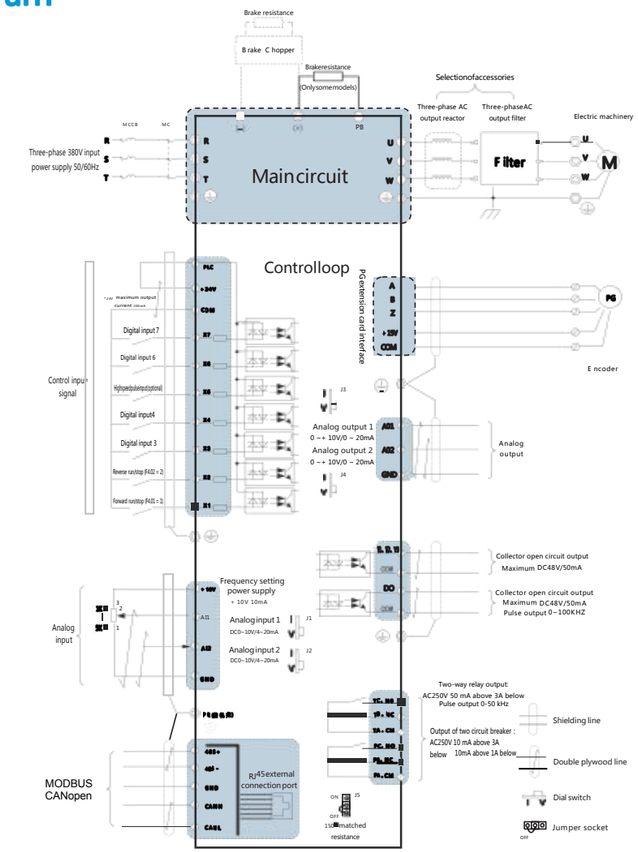
■ Model Selection Table

Shell code	Model	Overall dimension (mm)			Position bore (mm)		Weight (kg)
		H	W	D	A	B	
Z1	T510-2T0.75B	172	92	152	81	162	1.65
	T510-2T1.5B						
	T510-2T2.2B						
	T510-4T0.75G/1.5PB-S						
	T510-4T1.5G/2.2PB-S						
	T510-4T2.2G/3.0PB-S						
	T510-4T4.0G/5.5PB-S						
Z2	T510-4T5.5G/7.5PB	219	109	173	98	208	2.4
	T510-4T7.5G/11PB						
Z3	T510-4T11G/15PB	261	130	182	119	250	3.8
	T510-4T15G/18.5PB						
Z4	T510-4T18.5G/22PB-S	293	190	199	167/177	282	6.6
	T510-4T22G/30PB-S						
Z5	T510-4T30G/37P-S	430	274	245	210/200	390	14.6
	T510-4T37G/45P-S						
Z6	T510-4T45G/55P	542	300	300	266/266	473	27.8
	T510-4T55G/75P						
Z7	T510-4T75G/90P	580	338	340	270/270	560	48.3
	T510-4T90G/110P						
	T510-4T110G/132P						
Z8	T510-4T160G/185P	790	420	366	310	764	80
	T510-4T185G/200P						
	T510-4T200G/220P						
Z9	T510-4T220G/250P	1110	490	370	360	1085	103
	T510-4T250G/280P						126
Z10	T510-4T280G/315P	1190	650	370	520	1159	164
	T510-4T315G/355P						
	T510-4T355G/400P						
	T510-4T400G						

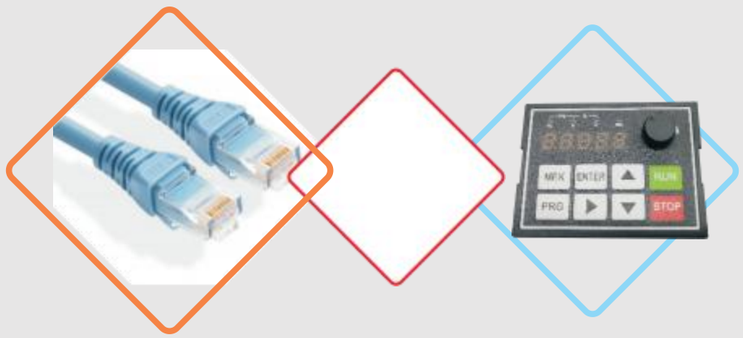


■ Overall Dimension

■ Wiring Diagram



Accessories



T600 Series High Performance Vector Inverter

Power range: single-phase power supply (200-240V): 0.4-2.2KW; three-phase power supply (380-690V): 0.75-1250kW

T600 series high performance vector converter which can be widely used in speed control of asynchronous motor/synchronous motor. The product adopts the international leading vector control algorithm to achieve high performance and high precision motor drive control, which strengthens the design of customer ease of use and industry specialization. It has more optimized functions, more flexible application and more stable performance.

- SVC/VF control
- 7 circuits DI, 4 circuits AI, 2 circuits relay
- Highreliabilitydesign

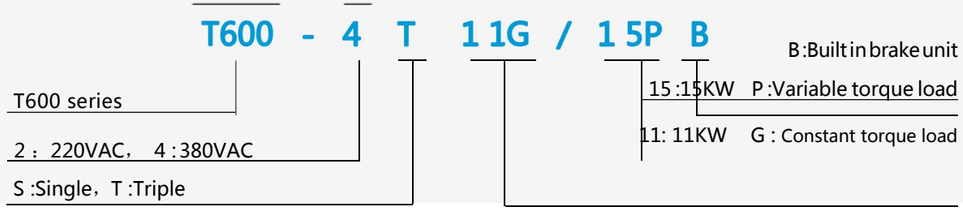
Technical Specification

	Control mode	V/F control; Open loop vector control (SVC); Closed loop vector control (FVC); Torque control
	Starting torque	G type: 0.5Hz/150% (SVC) P type: 0.5Hz/100%
	Speed regulation range	1:100 (SVC)
	Speed stabilization accuracy	±0.5% (SVC) ±0.2% (FVC)
	Overload capacity	G type: 150% rated current 60s; 180% rated current 3s P type: 120% rated current 60s; 150% rated current 3s
	Input voltage range	220V/380V± 15%
	Input frequency range	50/60Hz, Fluctuation range: ± 5%
	Output voltage range	0-220V, 0-415V
	Output frequency range	SVC:0～320Hz, V/F: 0～3200Hz
	AI	2 circuit 1 circuit 0-10V, 1 circuit 0-10V/0-20mA
	DI	7 circuits X5 compatible with high-speed pulse Input
	AO	2 circuits 0-10V or 4-20mA
	DO	4 circuit, DO compatible with high-speed pulse output
	Relay output	2 circuit
	S485 interface	1 circuit
	Power supply	2 circuits: 1 circuit DC 10V, 1 circuit DC 24V
	Altitude	Lower than 1000m, if it is higher than 1000m, the derating will be 1% for every 100m increase.
	Ambient temperature	-10℃～+40℃ (the ambient temperature is 40 ℃ - 50 ℃, please derate in use)
	Humidity	Less than 95% RH, no water condensation.

Applications

Cable, machine tool, metal products, petrochemicals, natural gas, hoisting equipment, pulp and paper, textile, printing and dyeing, ceramics and other industrial equipment.

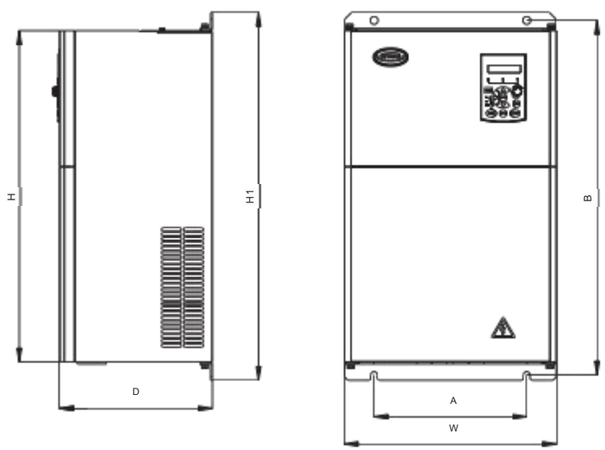
Nameplate and Model



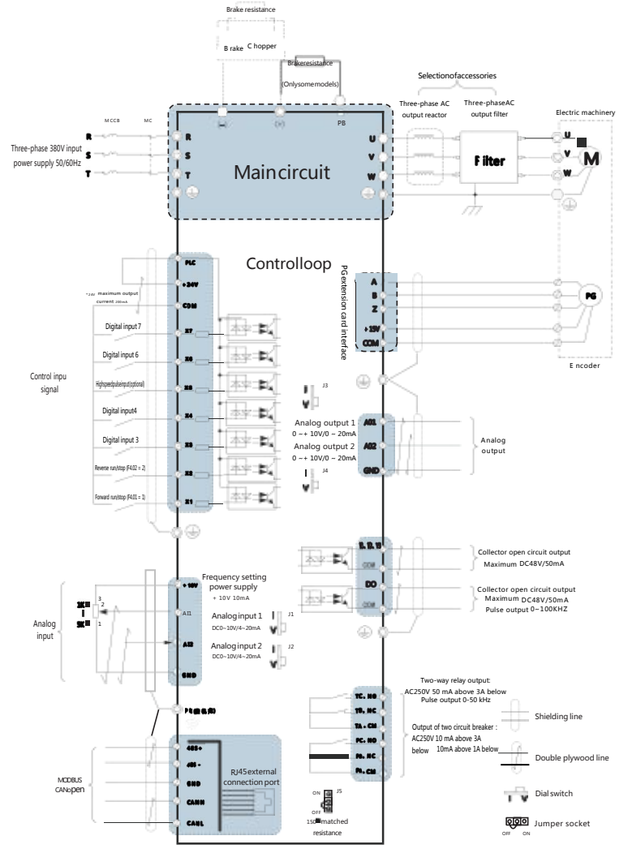
Model Selection Table

Shell code	Model	Positionbore(mm) A	Positionbore(mm) B	Overall dimension(mm) H	Overall dimension(mm) H1	Overall dimension(mm) W	Overall dimension(mm) D	Mounting diameter(mm	Weight (Kg)
Z1	T600-2S0.4B T600-2S0.75B T600-2S1.5B T600-4T0.75G/1.5PB T600-4T1.5G/2.2PB T600-4T2.2G/3.0PB T600-4T3.0GB	76	164	177	/	93	177	⌀5.5	0.95
A	T600-2S0.4B-D T600-2S0.75B-D T600-2S1.5B-D T600-2S2.2B T600-4T0.75G/1.5PB-D T600-4T1.5G/2.2PB-D T600-4T2.2G/3.0PB-D T600-4T3.0G/4.0PB T600-4T4.0G/5.5PB T600-4T5.5G/7.5PB	106.5	175.5	185	/	118	166.5	⌀4.5	1.8
B	T600-4T5.5G/7.5PB-D T600-4T7.5G/11PB T600-4T11G/15PB	148	234.5	247	/	161	187.5	⌀5.6	3.6
C	T600-4T15G/18.5PB T600-4T18.5G/22PB	150	322	300	336	210	200	⌀7	7.2
D	T600-4T22G/30P （B） T600-4T30G/37P （B） T600-4T37G/45P （B）	230	440	410	455	290	230	⌀7	17.8
E	T600-4T45G/55P （B） T600-4T55G/75P （B） T600-4T75G/90P （B）	230	536	500	555	320	230	⌀10	22.2
F	T600-4T75G/90P（B）-D T600-4T90G/110P （B） T600-4T110G/132P （B）	320	611	568	634	410	240	⌀12	36.9
G	T600-4T110G/132P（B）-D T600-4T132G/160P T600-4T132G/160P-D T600-4T160G/200P	320	669	616	692	475	347	⌀12	52.5
H	T600-4T160G/200P-D T600-4T200G/220P	420	818.6	762	843	520	352	⌀14	81
I	T600-4T220G/250P T600-4T250G/280P	420	1107.5	1051	1132	614	365	⌀14	137
J	T600-4T280G/315P T600-4T315G/355P	520	1214	1150	1241	740	366	⌀14	154.8
K	T600-4T355G/400P T600-4T400G/500P T600-4T450G/500P	620	1542	1470	1592	820	366	⌀18	244
L	T600-4T500G/560P T600-4T560G/630P T600-4T630G/710P	620	1622	1550	1673	970	378	⌀18	376
M	T600-4T710G/800P T600-4T800G/900P	825	1672	1638	1715	1200	510	⌀18	468

OverallDimension



Wiring Diagram



Accessories

Dual display keyboard
Purpose:forparametersetting

Network port keyboard cable
Purpose: lead wire for external keyboard.

PG card 6
Purpose:photoelectricencoderof A/B/Zopencollectoroutputand push-pulloutput.

T600-E Series Permanent Magnet Synchronous Drive

Power range: Three phase power supply (380V) : 0. 75～800kW

T600-E series is a general-purpose high-performance current vector driver, which is mainly used to control and adjust the speed and torque of three-phase AC synchronous motor. It adopts high-performance vector control technology, low-speed and high torque output, with good dynamic characteristics, super overload capacity, user programmable function, background monitoring software, communication bus function, supporting a variety of PG cards, etc, The combination function is rich and powerful, and the performance is stable. It can be used to drive all kinds of automatic production equipment.

Characteristic:

- It can realize the control of synchronous motor without encoder and popularize the synchronous motor;
- It can accurately identify the parameters of asynchronous induction motor and permanent magnet synchronous motor, and realize high-performance vector control.

- SVC/VF control
- 7 circuits DI, 3 circuits AI, 2 circuits relay
- High reliability design

Applications

Drive of various automatic production equipment

Technical Specification Table

Control	Control mode	V/F control; Open loop vector control (SVC); Closed loop vector control (FVC); Torque control
	Starting torque	G type : 0 . 5Hz/ 1 50% （SVC） P type : 0 . 5Hz/ 1 00%
	Speed regulation range	1 : 100 （SVC）
	Speed stabilization accuracy	±0. 5%（SVC） ±0.2%（FVC）
	Overload capacity	G type : 1 50% rated current 60s; 180% rated current 3s P type : 120% rated current 60s; 150% rated current 3s
Input	Input voltage range	220V/380V± 1 5%
	Input frequency range	50/60Hz. Fluctuation range: ± 5%
	Output voltage range	0-220V. 0-415V
	Output frequency range	SVC:0～320Hz. V/ F: 0～3200Hz
Input	AI	2 circuit , 1 circuit 0- 10V. 1 circuit 0- 10V/0-20mA
	DI	7 circuits. X5 compatible with high-speed pulse Input
	AO	2 circuits 0- 10V or 4-20mA
	DO	4 circuit , DO compatible with high-speed pulse output
	Relay output	2 circuit
	RS485 interface	1 circuit
	Power supply	2 circuits: 1 circuit DC 10V, 1 circuit DC 24V
Environment	Altitude	Lower than 1000m, if it is higher than 1000m, the derating will be 1% for every 100m increase.
	Ambient temperature	- 10℃～ + 40℃ (the ambient temperature is 40 ℃ - 50 ℃, please derate in use)
	Humidity	Less than 95% RH, no water condensation.
	Vibration	Less than 5.9 m/s2（0.6g）
	Storage temperature	- 2 0℃ ～ +6 0℃

Nameplate and Model

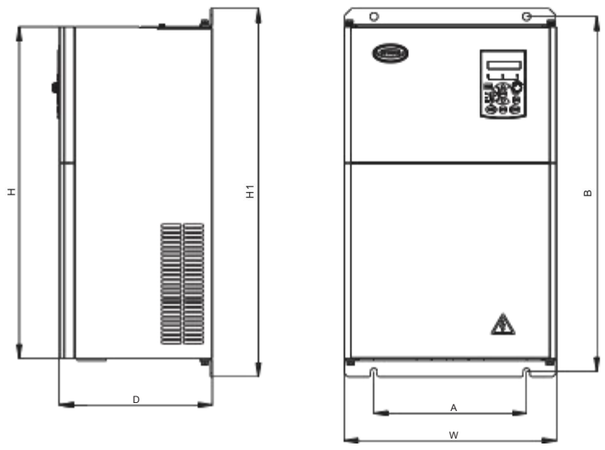
T600 - E - 4 T 630G / 710P

- T600 - E series
- 2 : 220VAC, 4 : 380VAC
- S : Single , T : Triple
- 630 : 630KW G : Constant torque load
- 710 : 710KW P : Variable torque load

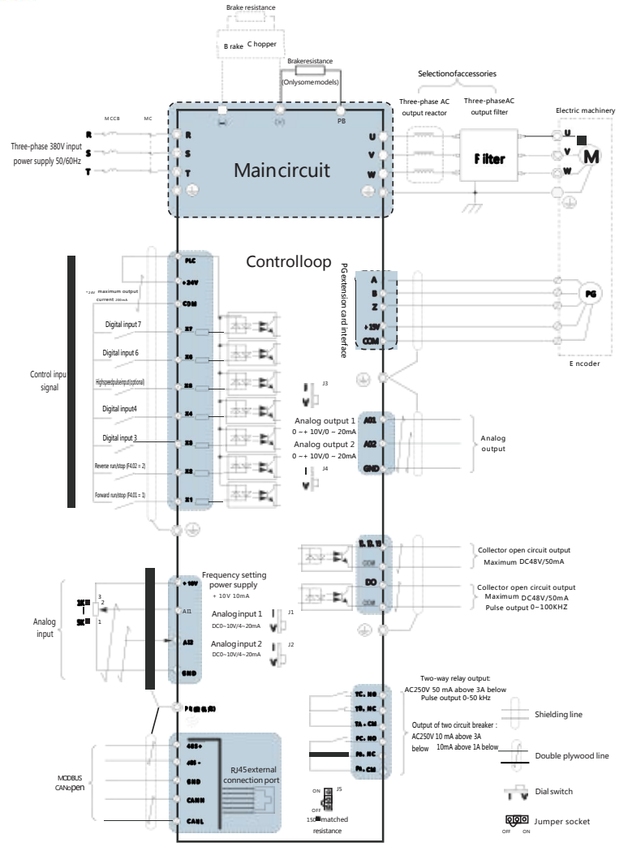
ModelSelectionTable

Shell code	Model	Positionbore(mm)		Overall dimension(mm)				Mounting diameter(mm	Weight (Kg)
		A	B	H	H1	W	D		
Z1	T600-E-2S0.4B T600-E-2S0.75B T600-E-2S1.5B T600-E-4T0.75G/1.5PB T600-E-4T1.5G/2.2PB T600-E-4T2.2G/3.0PB T600-E-4T3.0GB	76	164	177	/	93	177	⌀5.5	0.95
A	T600-E-2S0.4B-D T600-E-2S0.75B-D T600-E-2S1.5B-D T600-E-2S2.2B T600-E-4T0.75G/1.5PB-D T600-E-4T1.5G/2.2PB-D T600-E-4T2.2G/3.0PB-D T600-E-4T3.0G/4.0PB T600-E-4T4.0G/5.5PB T600-E-4T5.5G/7.5PB	106.5	175.5	185	/	118	166.5	⌀4.5	1.8
B	T600-E-4T5.5G/7.5PB-D T600-E-4T7.5G/11PB T600-E-4T11G/15PB	148	234.5	247	/	161	187.5	⌀5.6	3.6
C	T600-E-4T15G/18.5PB T600-E-4T18.5G/22PB	150	322	300	336	210	200	⌀7	7.2
D	T600-E-4T22G/30P （B） T600-E-4T30G/37P （B） T600-E-4T37G/45P （B）	230	440	410	455	290	230	⌀7	17.8
E	T600-E-4T45G/55P （B） T600-E-4T55G/75P （B） T600-E-4T75G/90P （B）	230	536	500	555	320	230	⌀10	22.2
F	T600-E-4T75G/90P （B）-D T600-E-4T90G/110P （B） T600-E-4T110G/132P （B）	320	611	568	634	410	240	⌀12	36.9
G	T600-E-4T110G/132P （B）-D T600-E-4T132G/160P T600-E-4T132G/160P-D T600-E-4T160G/200P	320	669	616	692	475	347	⌀12	52.5
H	T600-E-4T160G/200P-D T600-E-4T200G/220P	420	818.6	762	843	520	352	⌀14	81
I	T600-E-4T220G/250P T600-E-4T250G/280P	420	1107.5	1051	1132	614	365	⌀14	137
J	T600-E-4T280G/315P T600-E-4T315G/355P	520	1214	1150	1241	740	366	⌀14	154.8
K	T600-E-4T355G/400P T600-E-4T400G/500P T600-E-4T450G/500P	620	1542	1470	1592	820	366	⌀18	244
L	T600-E-4T500G/560P T600-E-4T560G/630P T600-E-4T630G/710P	620	1622	1550	1673	970	378	⌀18	376
M	T600-E-4T710G/800P T600-E-4T800G/900P	825	1672	1638	1715	1200	510	⌀18	468

OverallDimension



WiringDiagram



Accessories

Dual display keyboard
Purpose:forparametersetting

Network port keyboard cable
Purpose: lead wire for external keyboard.

PG card 6
Purpose:photoelectricencoder of A/B/Zopencollectoroutput and push-pulloutput.

SW60 Variable Frequency Constant Pressure Water Supply Controller

Power range: Three phase power supply (380V) : 0.75~800KW

SW60 multiple-unit pump variable frequency constant pressure water supply special controller, combined with the control requirements of multiple-unit pump variable frequency constant pressure water supply, adopts a seven inch touch screen HMI integrated control controller specially for multiple-unit pump variable frequency constant pressure water supply.

7-inch Touch Screen TFT Color Display

Automatic Control of 1-4 Water Pumps

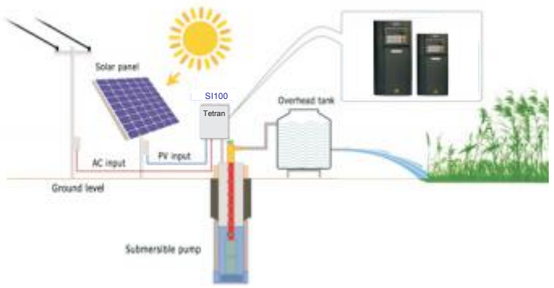
■Applications

Multiple-unit pump water supply and sewage treatment in living quarters and municipal engineering

SI100 Series Photovoltaic Water Pump Inverter

Power range: DC180V~880V

SI100 series PV water pump special frequency converter adopts the core control algorithm of vector control frequency converter and combines the application control requirements of PV water pump to develop a special frequency converter for outdoor PV power supply. It has the control functions of maximum power tracking, light weak sleep, light intensity wake-up, high water sleep, under load warning and so on. According to the needs of customers, the power can be switched to the power grid to ensure the normal operation of the water pump.



■Applications

Water pump for outdoor photovoltaic power supply