

CENCOOR VFD

FC310 Series Mini General-Purpose Inverter

C350 Fully Automatic Intelligent Inverter

H1 Backpack Frequency Converter for Water Industry

C300 Series Smart Pump Drive

T510 Series General-Purpose Inverter

S400 Series Photovoltaic

Water Pump Inverter



The VFD is mainly composed of rectification, filtering, inversion, braking unit, driving unit, detection unit, microprocessor unit, etc. The application of frequency conversion technology and microelectronics technology, can change the operating frequency of motors and extend the service life of equipment. The VFD can directly use the original induction motor to improve mechanical efficiency, there by reducing power consumption and reduce losses.



Global standard product follows CE and other certification standards



Independent air duct compatible with IP54 high protection design



Electrolytic capacitors have high overload capacity and Low high-frequency losses



Equipped with a variety of built-in DC reactor accessories and strong expandability



485 module anti common mode interference suitable for complex scenarios



Synchronous, asynchronous, and reluctance motor drive integration multi machine

01

FC310系列 迷你型矢量变频器



VF/SVC控制

4个DI，1个AI，1个VO，1个FM，1个RO,1个RS485

体型精巧

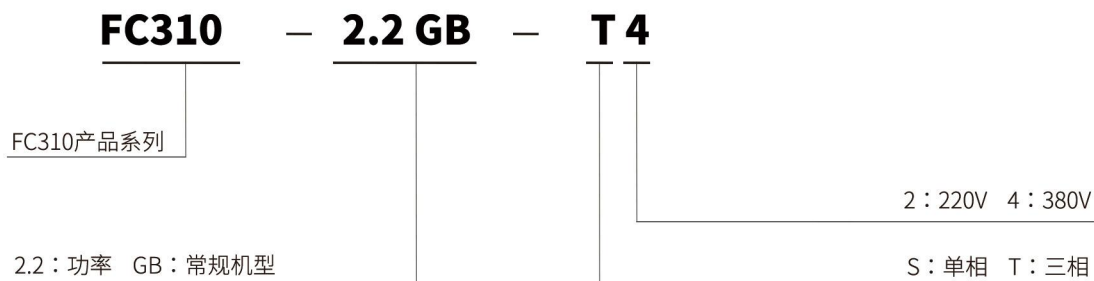
FC310迷你型变频器可实现导轨式安装，节省工时降低成本有效防止灰尘进入变频器内部，造成短路等故障，提高可靠性；长寿命大风量的冷却风机，电解电容位于进风口，有效降低变频器的温升，保障变频器可靠稳定运行。

FC310标配制动单元，用户无需单独购买制动单元，用户匹配合适的制动电阻后，就能满足急刹车的要求，为用户节省成本。散热风机安装简单，采用卡扣固定方式，风机更换只需要取下卡扣，不需要借助其他工具。

功率范围：220V 0.75~2.2KW 380V 0.75~7.5KW

型号说明

Model description



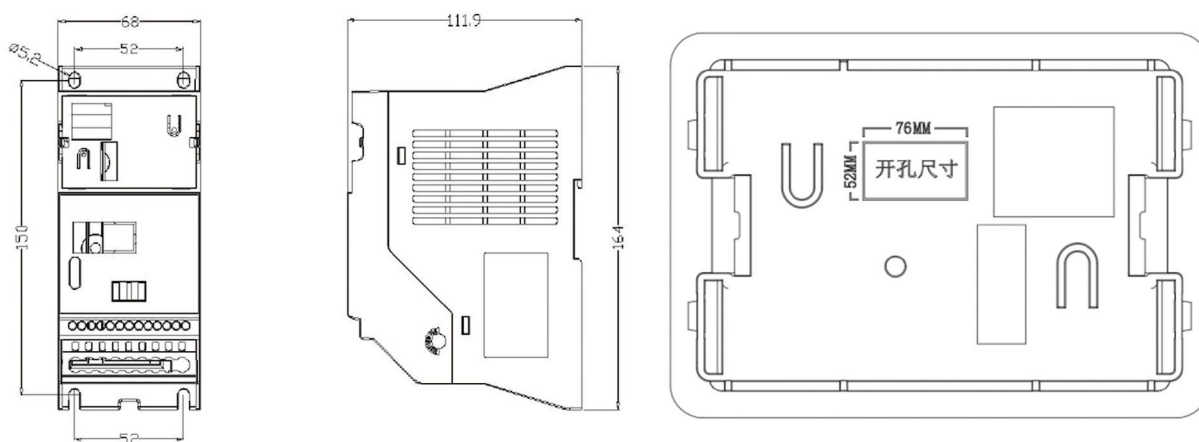
Technical specification table

Power Input	single-phase: 200-240V, 50Hz/60Hz; three-phase: 380-440V, 50Hz/60Hz
Output Voltage Range	Three-phase 0V~ Input voltage
Output Frequency Range	VF:0-200Hz; SVC:output frequency0-200Hz
Control Method	asynchronous motor: VF、SVC; synchronous motor: SVC
Overload Capacity	Overload reported after running at 150% for 60s, 180%rated current 1S
Control Terminal	①4 ordinary digital input terminals; ②1 AI analog input terminal、1个VO Analog output terminal(Support 0~10V and 0~20mA input and output); ③1 FM High-speed pulse output terminal; ④1 RO relay output terminal; ⑤1 RS485 communication terminal

Selection table

Inverter Model	Input Current A	Output Current A	Overall Dimensions(mm)			Mounting Hole (mm)		Installation Aperture mm	Adapted Motor KW
			H	W	D	H1	W1		
Single-phase power supply 200~240V 50 / 60Hz									
FC310-0.75GB-S2	8.2	4.0	164	68	111.9	150	52	5.2	0.75
FC310-1.5GB-S2	14.0	7.0							1.5
FC310-2.2GB-S2	23.0	9.6							2.2
Three-phase power supply 380~440V 50 / 60Hz									
FC310-0.75GB-T4	3.4	2.5	164	68	111.9	150	52	5.2	0.75
FC310-1.5GB-T4	4.6	3.8							1.5
FC310-2.2GB-T4	5.8	5.1							2.2
FC310-4.0GB-T4	11.4	9.0	217	89	146	206	64	5.3	4.0
FC310-5.5GB-T4	16.7	13.0							5.5
FC310-7.5GB-T4	21.9	17.0							7.5

Overall dimensions



02

C350 SERIES

FULLY AUTOMATIC INTELLIGENT INVERTER



SVC/VF Control

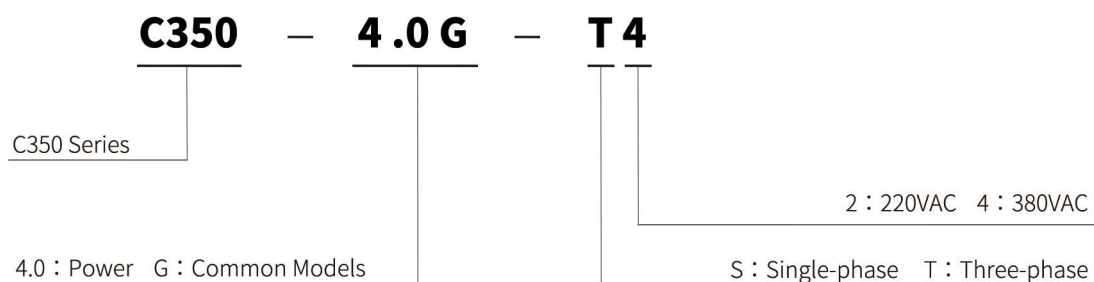
6 circuits DI, 2 circuits AI, 1 circuit DO, 1 circuit AO, 2 circuits RO

High reliability design

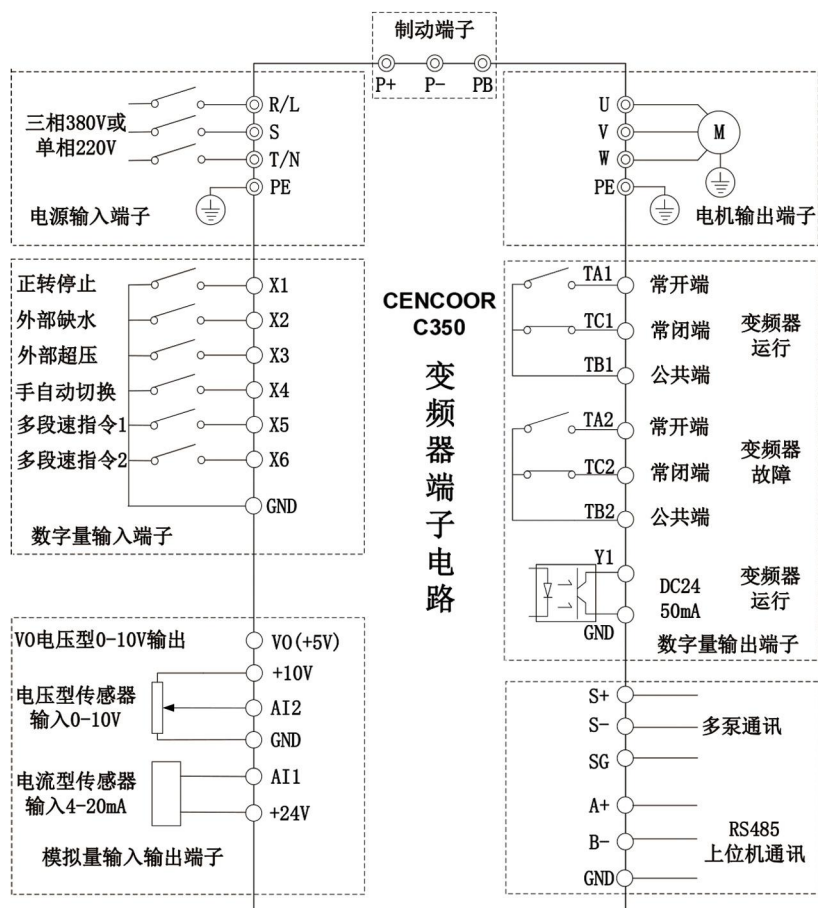
C350 series intelligent frequency converter is a high-performance variable frequency drive specifically designed for water pump and automation control applications. It features multi-functionality, high performance, and robust protection with compatibility for both induction and synchronous motors. It enables single-pump control and intelligent multi-pump coordinated operation, offering simple and reliable system operation with one-key setting for dedicated functions.

Power range : Single 200v : 0.75KW~5.5KW ; Three 220v : 0.75KW~11KW ; Three 380v : 0.75KW~400KW .

Model description



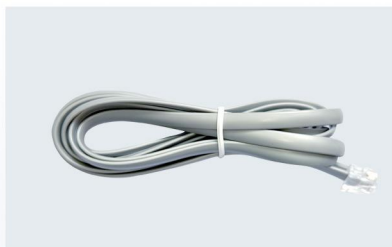
Typical wiring diagram of terminals



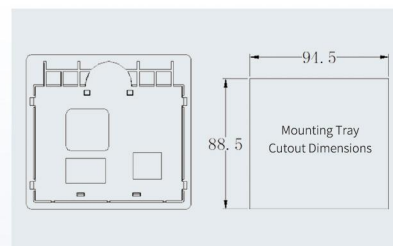
Accessories



External keyboard for connecting VFD



1.5M Keypad Extension Cable



For keypad Mounting

Technical Specification Table

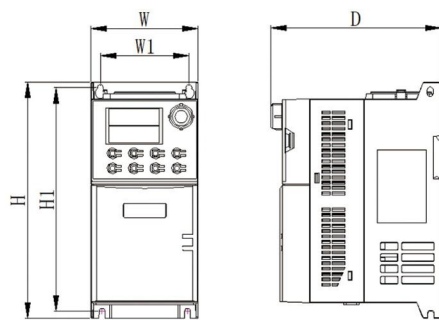
Basic Parameters	Power Input	①AC: Single-phase 220V, Three-phase 220V, Three-phase 380V, 50/60Hz; ②Voltage tolerance: $\pm 15\%$; ③Frequency tolerance: $\pm 5\%$
	Power Output	Output voltage: 3-phase 0V~Vin; Output frequency: 0~500Hz (adjustable)
	Carrier Frequency	Carrier freq.: 0.5~16kHz, auto-adjustable
	Control Method	Asynchronous motor: VF control; Synchronous motor: SVC control
	Overload Capacity	Overload: 150% for 60s, 180% for 1s
Human-Computer Interaction	Input Terminal	6 low-speed DI terminals; 2 AI terminals (AI1, AI2) with 0~10V or 0~20mA input
	Output Terminal	D0:1 collector output; A0:1 analog output, 0~10V; R0:2 relay output
	Communication Terminal	RS485:1; CAN:1
	DTU Terminal	Built-in DTU interface for internal or external GPRS DTU (internal module installable inside the drive) for IoT communication.
Protection Function	Frequency Converter Protection	Overcurrent, Overload, Overvoltage, Undervoltage, Input Phase Loss, Output Phase Loss, Communication Failure, Current Detection Failure, Motor Tuning Failure, Short Circuit to Ground, Relay Failure Detection, etc.
	Motor Protection	Motor stall, Motor overload, Speed limit, etc.
Usage Environment	Usage location	Applications: Water supply or automation systems for residential, commercial, agricultural, and industrial sites. Installation: Factory, basement, or outdoor integrated pump station.
	Cooling Method	Forced air
	Ambient Temperature	-10°C to 50°C, derating required above 40°C
	Storage Temperature	-20°C ~ +60°C
	Ambient Humidity	Less than 95%RH, no condensation
	Vibration	1g
	Highly Derated	Altitude $\leq 3000\text{m}$, derating: 1%/100m above 1000m
	Pollution Level	PD2
	Protection Level	IP54

Selection Table

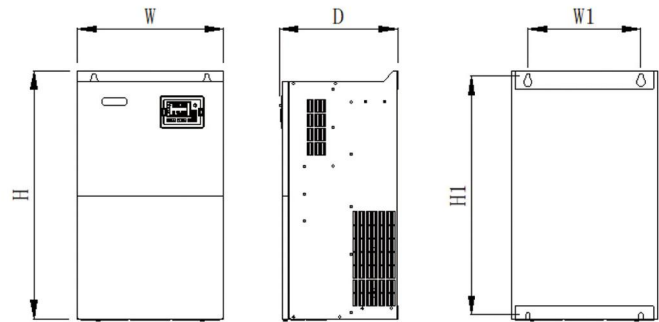
Inverter Model	Power Capacity kVA	Input Current A	Output Current A	Overall Dimensions(mm)			Mounting Hole (mm)		Installation Aperture (mm)	Adapted Motor KW/HP
				H	W	D	H1	W1		
Single-phase power supply 200~240V 50 / 60Hz										
C350-0.75G-S2	1.5	8.2	4.0	197	90	139	187	73	5	0.75/1
C350-1.5G-S2	3.0	14.0	7.0							1.5/2
C350-2.2G-S2	4.0	23.0	9.6							2.2/3
C350-4.0G-S2	5.9	40.0	17.0	243	125	169	227	108	6	4.0/5
C350-5.5G-S2	8.9	52.0	25.0	297	165	206	278	147	6	5.5/7.5
Three-phase power supply 200~240V 50 / 60Hz										
C350-0.75G-T2	2.1	4.6	3.8	197	90	139	187	73	5	0.75/1
C350-1.1G-T2	2.9	6.3	5.1							1.5/2
C350-1.5G-T2	4.2	9.0	7.2							2.2/3
C350-2.2G-T2	5.3	11.4	9.0	202	102	162	189	90	6	3.0/4
C350-4.0G-T2	7.7	16.7	13.0							4.0/5
C350-5.5G-T2	14.8	32.2	25.0							5.5/7.5
C350-7.5G-T2	18.9	41.3	32.0	297	165	206	278	147	6	7.5/10
C350-11G-T2	27.0	59.0	45.0	373	221	203	356	156	6	11.0/15
Three-phase power supply 380~480V 50 / 60Hz										
C350-0.75G-T4	2.8	3.4	2.5	197	90	139	187	73	5	0.75/1
C350-1.5G-T4	5.0	5.0	3.8							1.5/2
C350-2.2G-T4	6.7	5.8	5.1							2.2/3
C350-4.0G-T4	12.0	11.4	9.0	202	102	162	189	90	6	4.0/5
C350-5.5G-T4	17.5	16.7	13.0							5.5/7.5
C350-7.5G-T4	22.8	21.9	17.0							7.5/10
C350-11G-T4	33.4	32.2	25.0	243	125	169	227	108	6	11.0/15

Inverter Model	Power Capacity kVA	Input Current A	Output Current A	Overall Dimensions(mm)			Mounting Hole (mm)		Installation Aperture (mm)	Adapted Motor KW/HP
				H	W	D	H1	W1		
Three-phase power supply 380~480V 50 / 60Hz										
C350-15G-T4	42.8	41.3	32.0	297	165	206	278	147	6	15.0/20
C350-18.5G-T4	45.0	49.5	37.0							18.5/25
C350-22G-T4	54.0	59.0	45.0							22/30
C350-30G-T4	40.0	62.0	60.0	373	221	198	356	156	6	30/40
C350-37G-T4	57.0	76.0	75.0							37/50
C350-45G-T4	69.0	92.0	91.0							45/60
C350-55G-T4	85.0	113.0	112.0	544	325	269	522	241	10	55/70
C350-75G-T4	114.0	157.0	150.0							75/100
C350-93G-T4	134.0	180.0	176.0							90/125
C350-110G-T4	160.0	214.0	210.0	594	350	284	572	270	10	110/150
C350-132G-T4	192.0	256.0	253.0							132/175
C350-160G-T4	231.0	307.0	304.0							160/210
C350-185G-T4	240.0	343.0	340.0	845	500	349	815	320	12	185/240
C350-200G-T4	250.0	385.0	377.0							200/260
C350-220G-T4	280.0	430.0	426.0							220/300
C350-250G-T4	355.0	468.0	465.0	1060	620	368	1030	220	12	250/350
C350-280G-T4	396.0	525.0	520.0							280/370
C350-315G-T4	445.0	590.0	585.0							315/500
C350-355G-T4	500.0	665.0	650.0	1197	800	368	1165	300	14	355/420
C350-400G-T4	565.0	785.0	725.0							400/530

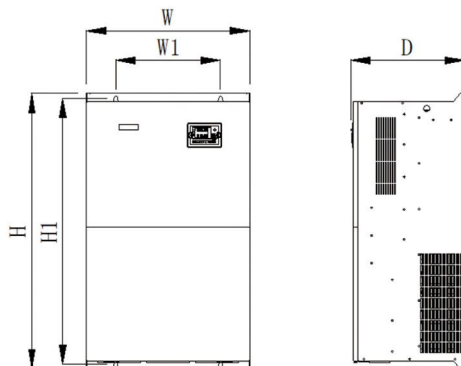
Overall dimensions



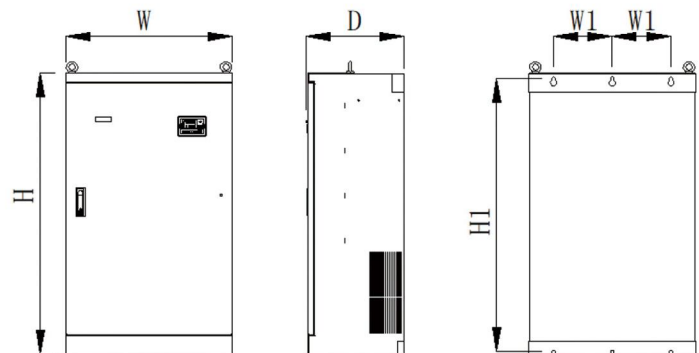
0.75KW-18.5KW



22KW-110KW



132KW-200KW



220KW-400KW

03

H1 SERIES

BACKPACK FREQUENCY CONVERTER FOR WATER INDUSTRY



SVC/VF Control

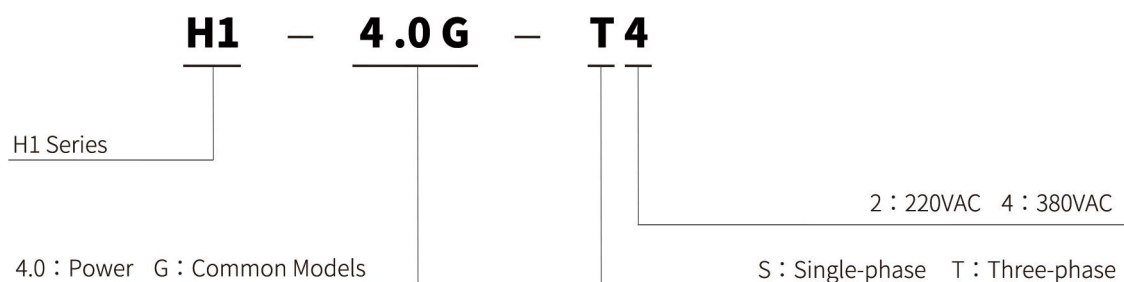
3 circuits DI, 2 circuits AI, 1 circuit DO, 1 circuit AO, 1 circuit RO

High reliability design

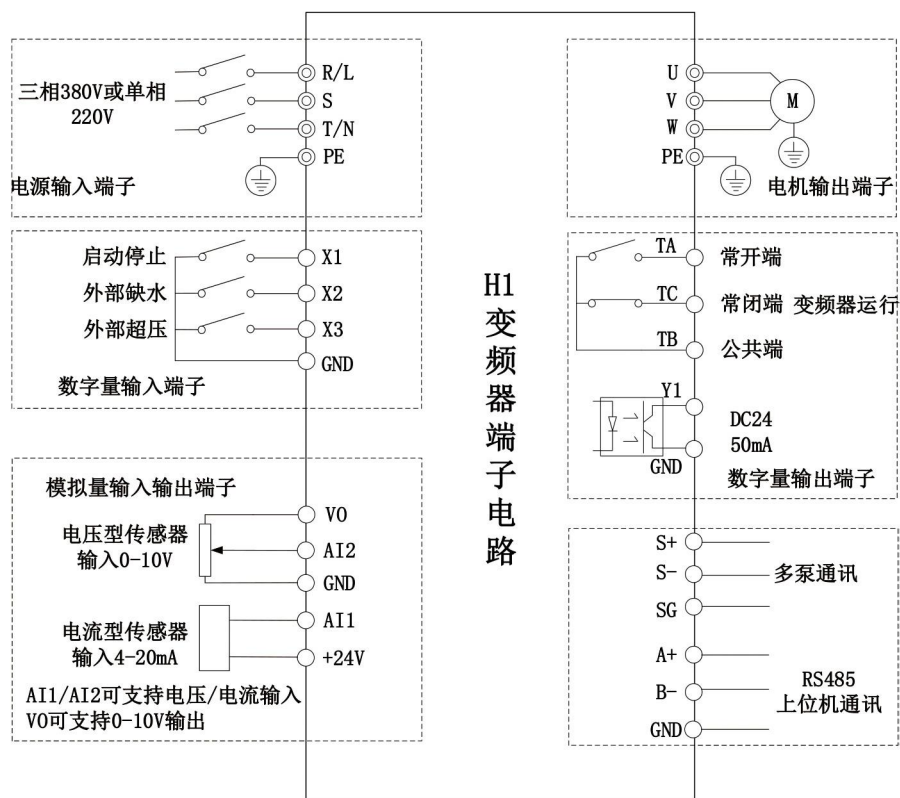
H1 series backpack frequency converter is meticulously designed for water pump applications, featuring multi-functionality, high performance, and high protection with compatibility for both induction and synchronous motors. It enables single-pump control and intelligent multi-pump coordinated operation, offering easy system operation, high reliability, simple parameter tuning, and one-key setting for dedicated functions.

Power range : Single 200v :0.75KW~5.5KW ; Three 220v :0.75KW~11KW ; Three 380v :0.75KW~22KW .

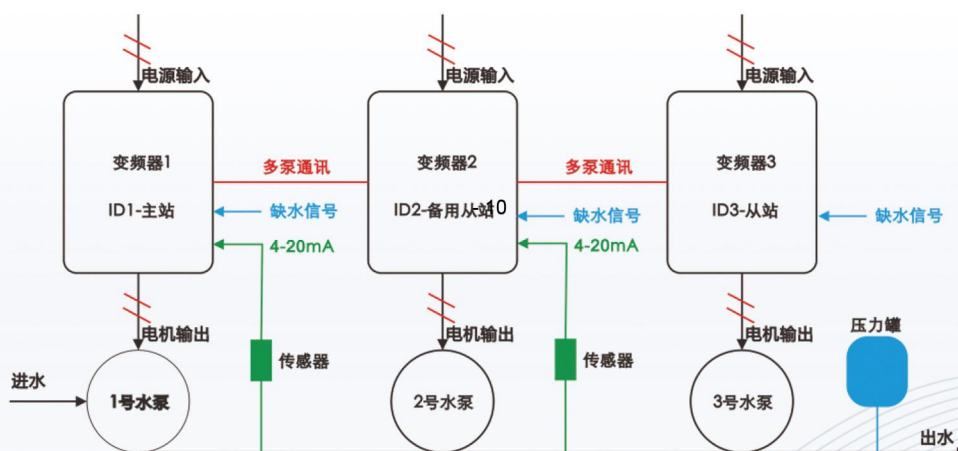
Model description



Typical wiring diagram of terminals



Applications of Multi-pump Water Supply Systems



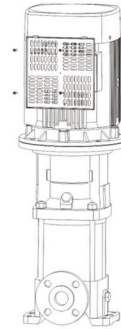
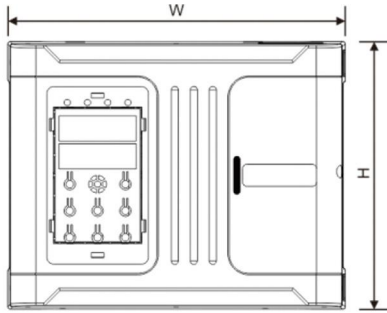
Technical Specification Table

Basic Parameters	Power Input	①AC: Single-phase 220V, Three-phase 220V, Three-phase 380V, 50/60Hz; ②Voltage tolerance: $\pm 15\%$; ③Frequency tolerance: $\pm 5\%$
	Power Output	Output voltage: 3-phase $0V \sim V_{in}$; Output frequency: $0 \sim 500\text{Hz}$ (adjustable)
	Carrier Frequency	Carrier freq.: $0.5 \sim 16\text{kHz}$, auto-adjustable
	Control Method	Asynchronous motor: VF control; Synchronous motor: SVC control
	Overload Capacity	Overload: 150% for 60s, 180% for 1s
Human-Computer Interaction	Input Terminal	3 low-speed DI terminals; 2 AI terminals (AI1, AI2) with $0 \sim 10\text{V}$ or $0 \sim 20\text{mA}$ input
	Output Terminal	D0:1 collector output; A0:1 analog output, $0 \sim 10\text{V}$; R0:1 relay output
	Communication Terminal	RS485:1; CAN:1
	DTU Terminal	Built-in DTU interface for internal or external GPRS DTU (internal module installable inside the drive) for IoT communication.
Protection Function	Frequency Converter Protection	Overcurrent, Overload, Overvoltage, Undervoltage, Input Phase Loss, Output Phase Loss, Communication Failure, Current Detection Failure, Motor Tuning Failure, Short Circuit to Ground, Relay Failure Detection, etc.
	Motor Protection	Motor stall, Motor overload, Speed limit, etc.
Usage Environment	Usage location	Applications: Water supply or automation systems for residential, commercial, agricultural, and industrial sites. Installation: Factory, basement, or outdoor integrated pump station.
	Cooling Method	Natural / Forced air
	Ambient Temperature	-10°C to 50°C , with 1% current derating per 1°C from 40°C to 50°C
	Storage Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
	Ambient Humidity	$5 \sim 95\%$ (non-condensing)
	Vibration	1g
	Highly Derated	Altitude $\leq 3000\text{m}$, derating: 1%/100m above 1000m
	Pollution Level	PD2
	Protection Level	IP54

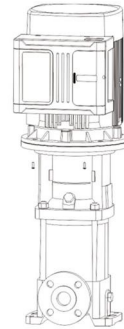
Selection Table

Inverter Model	Power Capacity kVA	Input Current A	Output Current A	Overall Dimensions(mm)			Mounting Hole (mm)		Installation Aperture (mm)	Adapted Motor KW/HP
				H	W	D	H1	W1		
Single-phase power supply 200~240V 50 / 60Hz										
H1-0.75G-S2	2.2	8.2	4.0	225	188	110	—	—	—	0.75/1
H1-1.5G-S2	3.7	14.0	7.0							1.5/2
H1-2.2G-S2	6.0	23.0	9.6							2.2/3
H1-4.0G-S2	9.0	40.0	17.0	267	212	124	—	—	—	4.0/5
H1-5.5G-S2	13.0	55.0	25.0	312	276	146	—	—	—	5.5/7.5
Three-phase power supply 200~240V 50 / 60Hz										
H1-0.75G-T2	2.1	4.6	3.8	225	188	110	—	—	—	0.75/1
H1-1.1G-T2	2.9	6.3	5.1							1.5/2
H1-1.5G-T2	4.2	9.0	7.2							2.2/3
H1-2.2G-T2	5.3	11.4	9.0	267	212	124	—	—	—	3.0/4
H1-4.0G-T2	7.7	16.7	13.0							4.0/5
H1-5.5G-T2	14.8	32.2	25.0							5.5/7.5
H1-7.5G-T2	18.9	41.3	32.0	312	276	146	—	—	—	7.5/10
H1-11G-T2	27.0	59.0	45.0							11.0/15
Three-phase power supply 380~480V 50 / 60Hz										
H1-0.75G-T4	2.8	3.4	2.5	225	188	110	—	—	—	0.75/1
H1-1.5G-T4	5.0	5.0	3.8							1.5/2
H1-2.2G-T4	6.7	5.8	5.1							2.2/3
H1-3.0G-T4	9.5	9.0	7.2	267	212	124	—	—	—	3.0/4
H1-4.0G-T4	12.0	11.4	9.0							4.0/5
H1-5.5G-T4	17.5	16.7	13.0							5.5/7.5
H1-7.5G-T4	22.8	21.9	17.0	312	276	146	—	—	—	7.5/10
H1-11G-T4	33.4	32.2	25.0							11.0/15
H1-15G-T4	42.8	41.3	32.0							15.0/20
H1-18.5G-T4	45.0	49.5	37.0	312	276	146	—	—	—	18.5/25
H1-22G-T4	54.0	59.0	45.0							22.0/30

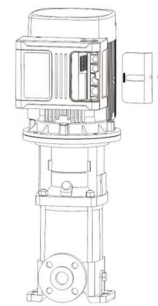
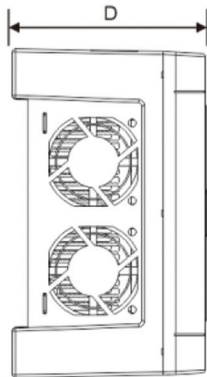
Overall dimensions and installation steps



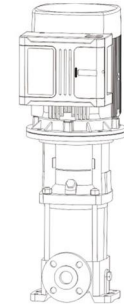
步骤1：安装底板



步骤2：安装机器



步骤3：接线操作



步骤4：安装盖板



04

C300 SERIES SMART PUMP DRIVE



- Standard dual RS485 communication Multi-pump control and host computer monitoring at same time
- Standard dual relay, Two Driven by One Alternate Control Case;
- Ndependent air duct design, Standard temperature rise design, Ensure long-term reliable working Branded core components, Advanced technology solutions , Standout quality with professional QC.
- Overcurrent, overvoltage, overheating, short circuit protection; High/low water pressure protection, dry run and motor idling protection, antifreeze protection, reset function after water shortage.

SVC/VF control

7 channels D1, 2 channels A1, 4- channels DO, 2channels AO, 2channels relays

High reliability

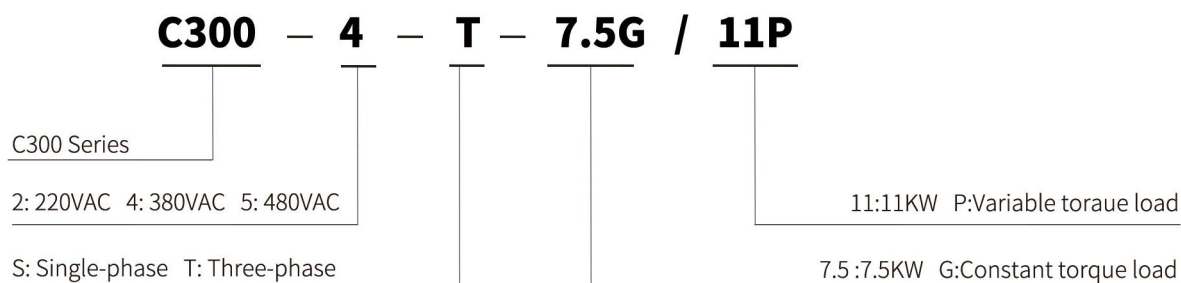
C300 series is a professional smart pump drive. It is special designed according to the control logic and application functions of water supply industry. This cabinet-mounted smart pump drive is leading the market with its advanced PID control algorithm, stable and outstanding performance, strong expansibility and complete functions.

Power range:

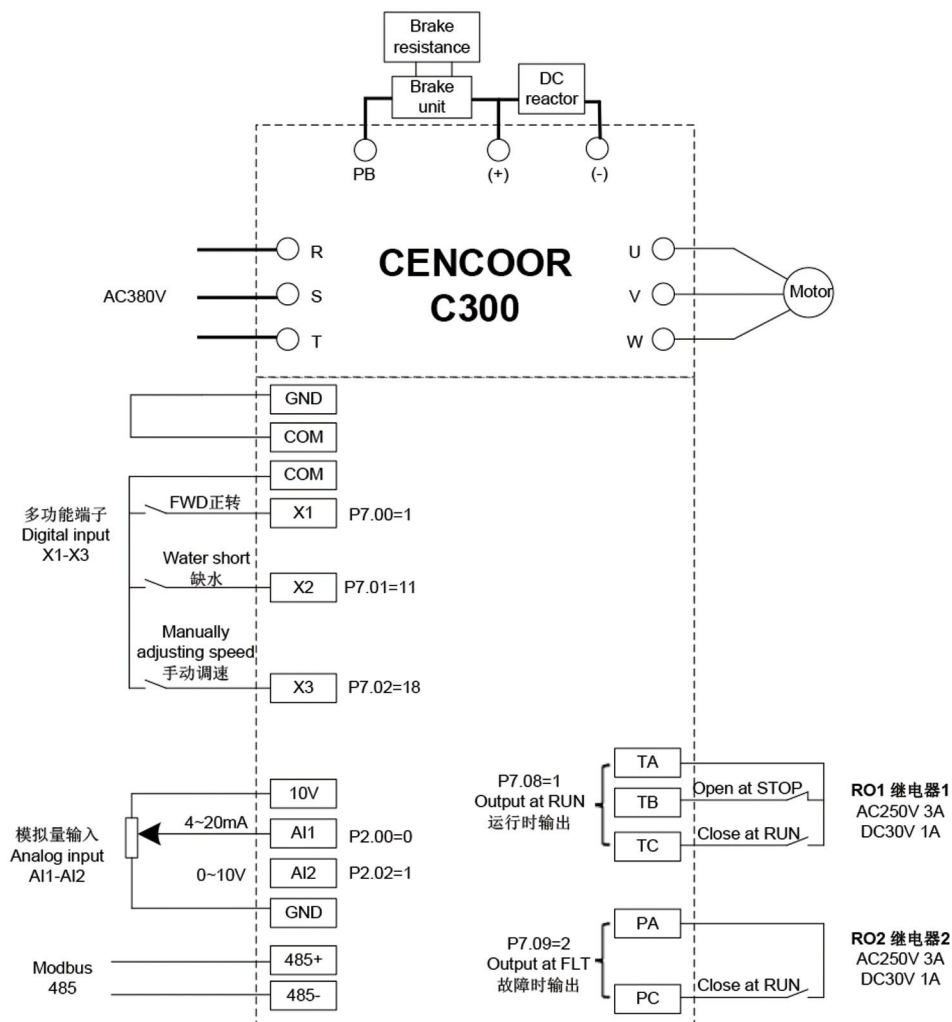
single-phase power supply (200-240V): 0.75-2.2kW;

three-phase power supply (380-480V): 0.75-400kW

Model description



TYPICAL WIRING DIAGRAM OF TERMINALS



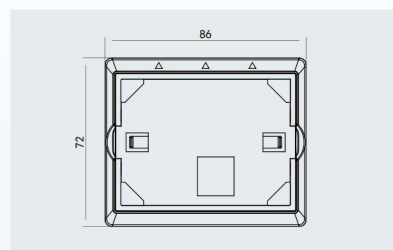
Accessories



External keyboard for connecting VFD



2M Keypad Extension Cable



For keypad Mounting

Technical Specification Table

Control Characteristics	Control Method	V/F control; Open-loop vector control(SVC); Torque control
	Starting Torque	G-type :0.5 Hz/150%(SVC) P-type: 0.5 Hz/ 100%
	Speed Range	1:100 (SVC)
	Speed Accuracy	±0.5% (SVC)
	Overload Capacity	G-type :150% rated current for 60s; 180% rated current for 3s P-type:120% rated current for 60s;150% rated current for 3s
Input/Output Specifications	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
I/O Configuration	Analog Inputs	2 channel, (1X0-10V/0-20mA)
	Digital Inputs	6 channels(X6 compatible with analog output X5 compatible with high-speed pulse input)
	Analog Outputs	2 channels
	Digital outputs	1 channel, compatible with high-speed pulse output
	Relay Outputs	2 channels
	RS485 Communication	1 port
	Power Supply	2 channels (1x DC 10;1x DC 24 V)
Environmental Conditions	Altitude	Below 1000m.For use above 1000m,derate by 1% per 100m increase
	Ambient Temperature	-10℃, to +40℃, (Derate when operating between 40℃ to 50℃)
	Humidity	Less than 95%6 RH, non-condensing
	Vibration	Less than 5.9 m/s (0.6g)
	Storage Temperature	-20℃ to +60℃

Model Selection For 220-380V

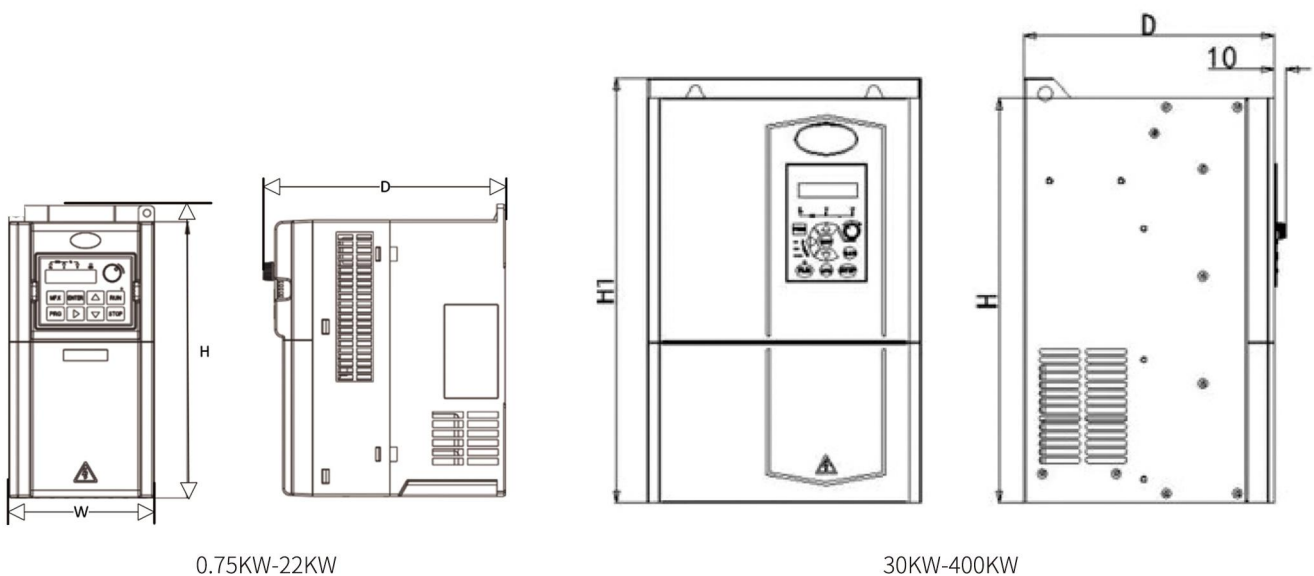
Inverter Model	Output voltage (V)	Power (kW)	Size (mm)	N. W (kg)	G. W (kg)	Packing size (mm)
C300-2T0.75G/1.5P	220V/240V	0.75kW	162*92*152	1.4	1.65	215*152*208
C300-2T1.5G/2.2P	220V/240V	1.5kW	162*92*152	1.4	1.65	215*152*208
C300-2T2.2G/3.0P	220V/240V	2.2kW	162*92*152	1.4	1.65	215*152*208
C300-4T0.75G/1.5P	380V/415	0.75kW	162*92*152	1.4	1.65	215*152*208
C300-4T1.5G/2.2P	380V/415	1.5kW	162*92*152	1.4	1.65	215*152*208
C300-4T2.2G/3.0P	380V/415	2.2kW	162*92*152	1.4	1.65	215*152*208
C300-4T4.0G/5.5P	380V/415	4kW	162*92*152	1.4	1.65	215*152*208
C300-4T5.5G/7.5P	380V/415	5.5kW	219*109*172.5	2.1	2.4	260*175*238
C300-4T7.5G/11P	380V/415	7.5kW	219*109*172.5	2.1	2.4	260*175*238
C300-4T11G/15P	380V/415	11kW	261*130*182	3.4	3.8	315*195*252
C300-4T15G/18.5P	380V/415	15kW	261*130*182	3.4	3.8	315*195*252
C300-4T18.5G/22P	380V/415	18.5kW	261*130*182	5.7	6.45	360*270*290
C300-4T22G/30P	380V/415	22kW	261*130*182	5.9K	6.6	360*270*290
C300-4T30G/37P	380V/415	30kW	430*274*245	11.2	12.2	440*305*310
C300-4T37G/45P	380V/415	37kW	430*274*245	16.3	17.5	520*375*350
C300-4T45G/55P	380V/415	45kW	542*300*300	16.3	17.5	520*375*350
C300-4T55G/75P	380V/415	55kW	542*300*300	25.9	27.8	635*400*410

Model Selection For 220-380V

Inverter Model	Output voltage (V)	Power (kW)	Size (mm)	N. W (kg)	G. W (kg)	Packing size (mm)
C300-4T75G/90P	380V/415	75kW	580*338*340	35.5	48.3	715*495*435
C300-4T90G/110P	380V/415	90kW	580*338*340	35.5	48.3	715*495*435
C300-4T110G/132P	380V/415	110kW	580*338*340	35.5	48.3	715*495*435
C300-4T160G/185P	380V/415	160kW	790*420*366	68	80	870*520*470
C300-4T185G/200P	380V/415	185kW	790*420*366	68	80	870*520*470
C300-4T200G/220P	380V/415	200kW	790*420*366	68	80	870*520*470
C300-4T220G/250P	380V/415	220kW	1110*490*370	87	103	890*590*470
C300-4T250G/280P	380V/415	250kW	1110*490*370	110	126	1190*590*470
C300-4T280G/315P	380V/415	280kW	1190*650*370	140	164	1260*750*470
C300-4T315G/355P	380V/415	315kW	1190*650*370	140	164	1260*750*470
C300-4T355G/400P	380V/415	355kW	1190*650*370	140	164	1260*750*470
C300-4T400G	380V/415	400kW	1190*650*370	140	164	1260*750*470

Special note: Models Selection For 450V-480V can be customized.

Overall dimensions



05

T510 SERIES GENERAL-PURPOSE INVERTER



SVC/VF Control

6 circuits DI, 3 circuits AI; 2 circuits relays

High reliability design

T510 series inverter adopt speed sensorless vector control technology, the product has excellent driving performance and control functions. It 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 0.75kw to 4kw is MOSFET, 5.5kw to 800kw is IGBT. The whole series of independent duct design, improve product reliability and performance, enhance product competitiveness.

Power range : 200v-240v :0.4KW~2.2KW ; 480v-550v:0.75KW~800KW.

Model description

T510 — 4 — T — 18.5G / 22P

T510 Series

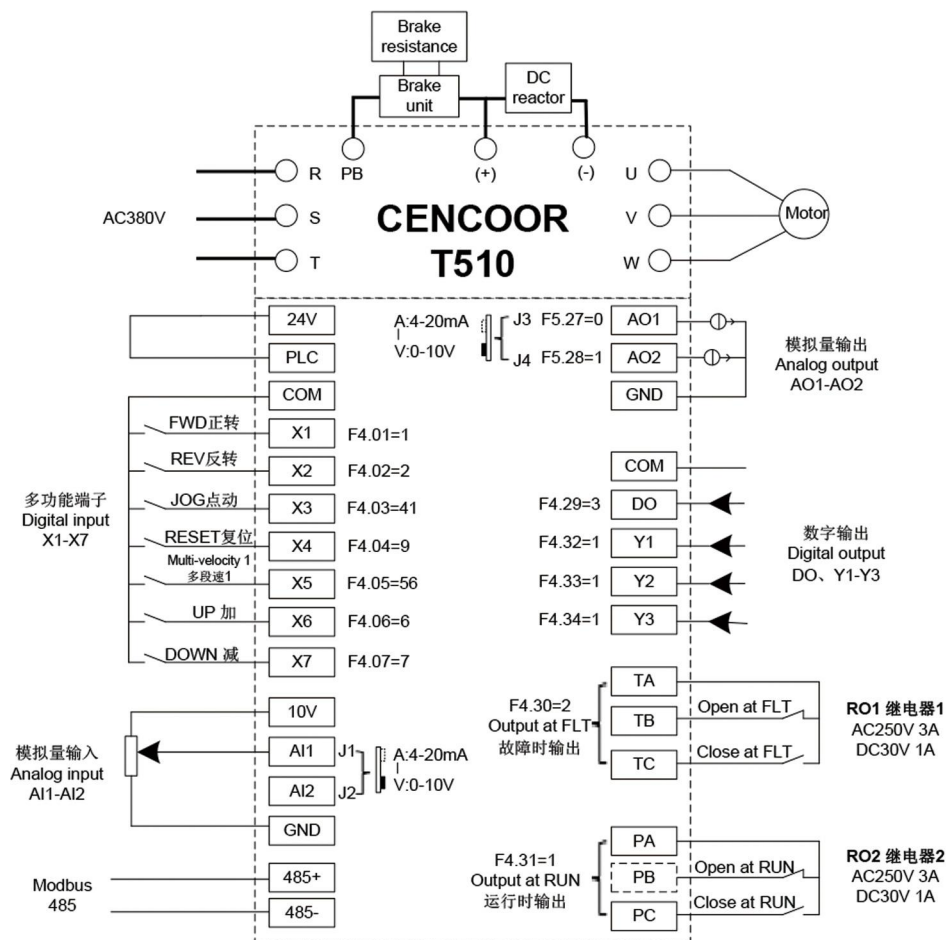
2: 220VAC 4: 380VAC

S: Single-phase T: Three-phase

22:22KW P:Variable torque load

18.5:18.5KW G:Constant torque load

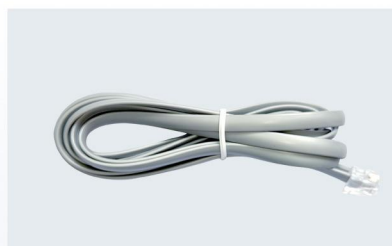
Typical wiring diagram of terminals



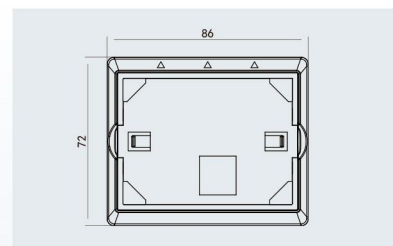
Accessories



External keyboard for connecting VFD



2M Keypad Extension Cable



For keypad Mounting

Technical Specification Table

Control Characteristics	Control Method	V/F control; Open-loop vector control(SVC); Torque control
	Starting Torque	G-type :0.5 Hz/150%(SVC) P-type: 0.5 Hz/ 100%
	Speed Range	1:100 (SVC)
	Speed Accuracy	±0.5% (SVC)
	Overload Capacity	G-type :150% rated current for 60s; 180% rated current for 3s P-type:120% rated current for 60s;150% rated current for 3s
Input/Output Specifications	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
I/O Configuration	Analog Inputs	2 channel, (1X0-10V/4-20mA)
	Digital Inputs	6 channels(X6 compatible with analog output X5 compatible with high-speed pulse input)
	Analog Outputs	2 channels
	Digital outputs	1 channel, compatible with high-speed pulse output
	Relay Outputs	2 channels
	RS485 Communication	1 port
	Power Supply	2 channels (1x DC 10;1x DC 24 V)
Environmental Conditions	Altitude	Below 1000m.For use above 1000m, derate by 1% per 100m increase
	Ambient Temperature	-10℃, to +40℃, (Derate when operating between 40℃ to 50℃)
	Humidity	Less than 95%6 RH, non-condensing
	Vibration	Less than 5.9 m/s (0.6g)
	Storage Temperature	-20℃ to +60℃

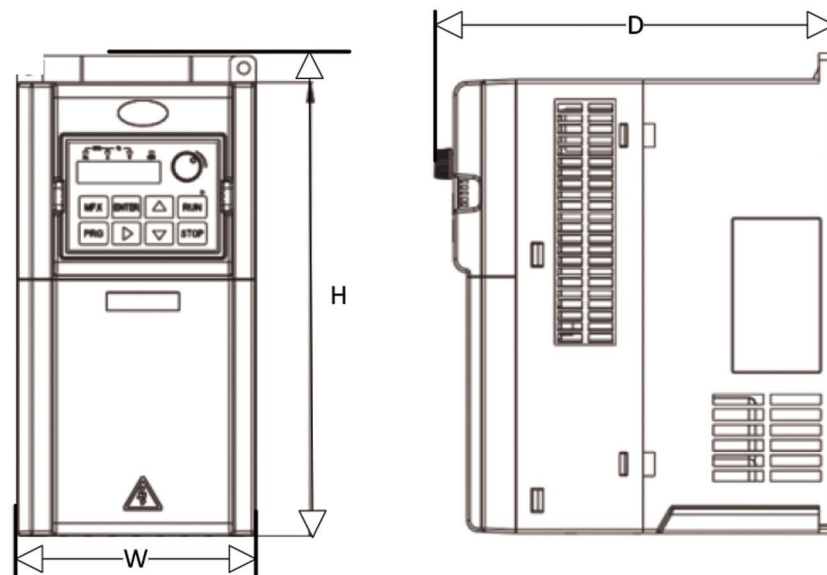
Selection Table

Inverter Model	Output voltage (V)	Horsepower (HP)	Power (kW)	Size (mm)	N. W (kg)	G. W (kg)	Packing size (mm)
T510-2T0.75G/1.5P	220V/240V	1HP	0.75kW	172*92*152	1.4	1.65	215*152*208
T510-2T1.5G/2.2P	220V/240V	2HP	1.5kW	172*92*152	1.4	1.65	215*152*208
T510-2T2.2G/3.0P	220V/240V	3HP	2.2kW	172*92*152	1.4	1.65	215*152*208
T510-2T4.0G/5.5P	220V/240V	5HP	4kW	219*109*172.5	2.1	2.4	260*175*238
T510-2T5.5G/7.5P	220V/240V	7HP	5.5kW	261*130*182	3.4	3.8	315*195*252
T510-2T7.5G/11P	220V/240V	10HP	7.5kW	261*130*182	3.4	3.8	315*195*252
T510-2T11G/15P	220V/240V	14HP	11kW	261*130*182	5.9	6.6	360*270*290
T510-5T0.75G/1.5P	480V/550V	1HP	0.75kW	172*92*152	1.4	1.65	215*152*208
T510-5T1.5G/2.2P	480V/550V	2HP	1.5kW	172*92*152	1.4	1.65	215*152*208
T510-5T2.2G/3.0P	480V/550V	3HP	2.2kW	172*92*152	1.4	1.65	215*152*208
T510-5T4.0G/5.5P	480V/550V	5HP	4kW	172*92*152	1.4	1.65	215*152*208
T510-5T5.5G/7.5P	480V/550V	7.5HP	5.5kW	219*109*172.5	2.1	2.4	260*175*238
T510-5T7.5G/11P	480V/550V	10HP	7.5kW	219*109*172.5	2.1	2.4	260*175*238
T510-5T11G/15P	480V/550V	14HP	11kW	261*130*182	3.4	3.8	315*195*252
T510-5T15G/18.5P	480V/550V	20HP	15kW	261*130*182	3.4	3.8	315*195*252
T510-5T18.5G/22P	480V/550V	24HP	18.5kW	261*130*182	5.7	6.45	360*270*290
T510-5T22G/30P	480V/550V	29HP	22kW	261*130*182	5.9	6.6	360*270*290

Inverter Model	Output voltage (V)	Horsepower (HP)	Power (kW)	Size (mm)	N. W (kg)	G. W (kg)	Packing size (mm)
T510-5T30G/37P	480V/550V	40HP	30kW	430*274*245	11.2	12.2	440*305*310
T510-5T37G/45P	480V/550V	49HP	37kW	500*347*306	11.9	14.9	520*375*350
T510-5T45G/55P	480V/550V	60HP	45kW	542*300*300	16.3	19.45	560*393*332
T510-5T55G/75P	480V/550V	73HP	55kW	542*300*300	25.9	27.8	635*400*410
T510-5T75G/90P	480V/550V	100HP	75kW	580*338*340	35.5	48.3	715*495*435
T510-5T90G/110P	480V/550V	120HP	90kW	580*338*340	35.5	48.3	715*495*435
T510-5T110G/132P	480V/550V	146HP	110kW	580*338*340	35.5	48.3	715*495*435
T510-5T160G/185P	480V/550V	213HP	160kW	790*420*366	68	80	870*520*470
T510-5T185G/200P	480V/550V	246HP	185kW	790*420*366	68	80	870*520*470
T510-5T200G/220P	480V/550V	266HP	200kW	790*420*366	68	80	870*520*470
T510-5T220G/250P	480V/550V	293HP	220kW	1110*490*370	87	103	890*590*470
T510-5T250G/280P	480V/550V	333HP	250kW	1110*490*370	110	126	1190*590*470
T510-5T280G/315P	480V/550V	373HP	280kW	1190*650*370	140	164	1260*750*470
T510-5T315G/355P	480V/550V	420HP	315kW	1190*650*370	140	164	1260*750*470
T510-5T355G/400P	480V/550V	473HP	355kW	1190*650*370	140	164	1260*750*470
T510-5T400G	480V/550V	533HP	400kW	1190*650*370	140	164	1260*750*470

Special note: Models Selection For 400KW-800KW can be customized.

Overall dimensions



06

S400 SERIES PHOTOVOLTAIC WATER PUMP INVERTER



SVC/VF control

7 channels D1, 2 channels A1, 4- channels DO, 2channels AO, 2channels relays

High reliability

S400 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.

Power range:220V~480V

Model description

S400 — 4 — T — 11G / PV

S400 Series

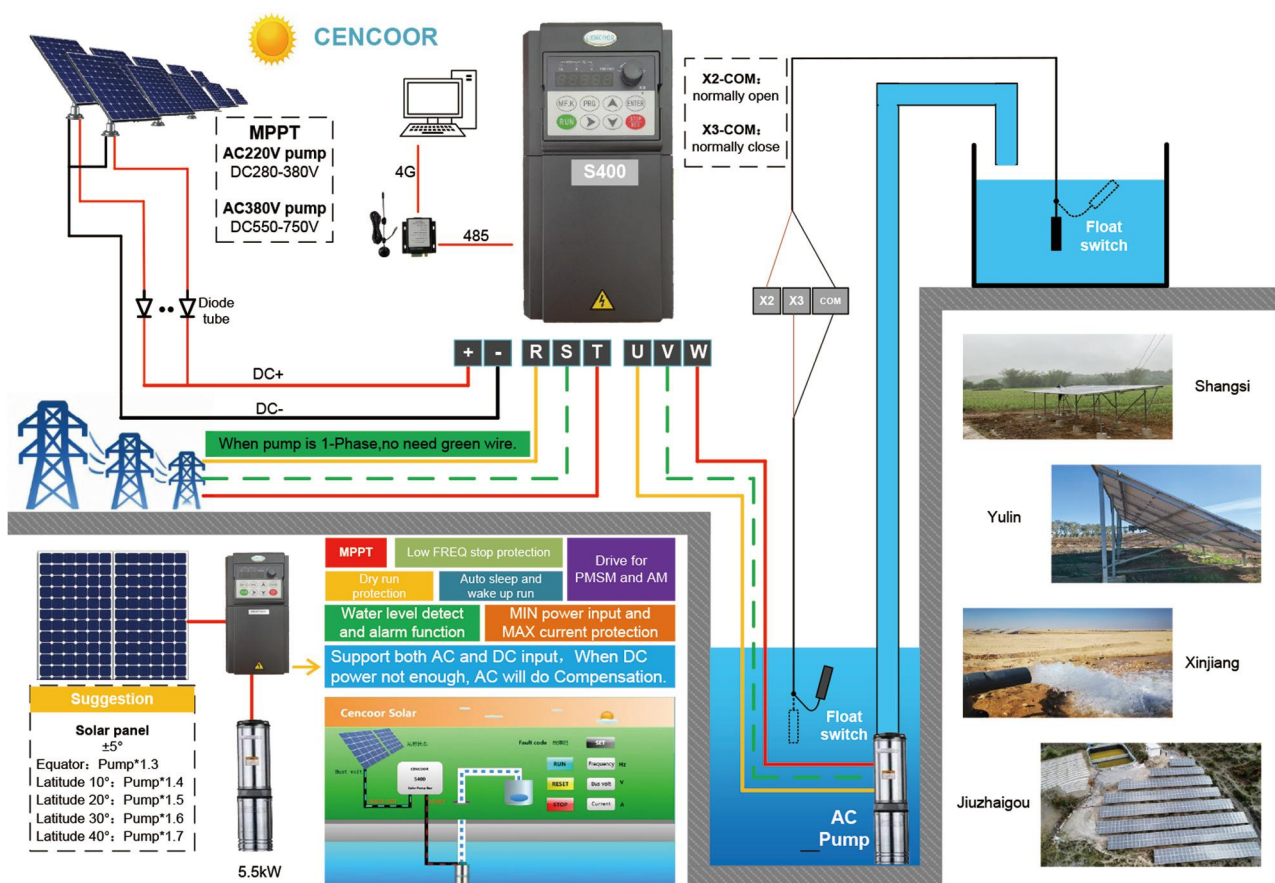
2: 220VAC 4: 380VAC 7: 690VAC

SS: Single-phase Motor S: Single T: Three

PV:Special for Photovoltaic Pumps

11 :11KW G:Constant torque load

APPLICATION CASES



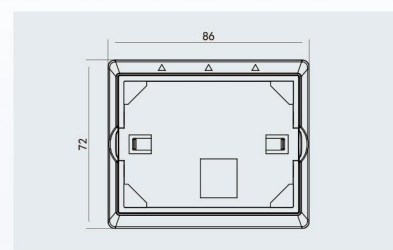
Accessories



External keyboard for connecting VFD



2M Keypad Extension Cable



For keypad Mounting

Technical Data

TYPE	2S	2T	4T
AC input voltage(V)	220 (-15%) ~240V (+10%) (1PH)	220 (-15%) ~ 240V (+10%) (3PH)	380 (-15%) ~ 440V (+10%) (3PH)
Max DC voltage (V)	440	440	800
starting voltage(V)	200	200	300
Min running voltage (V)	150	150	250
Recommended DC input voltage range (V)	200-400	200-400	300-750
Recommended MPP Voltage (V)	330	330	550

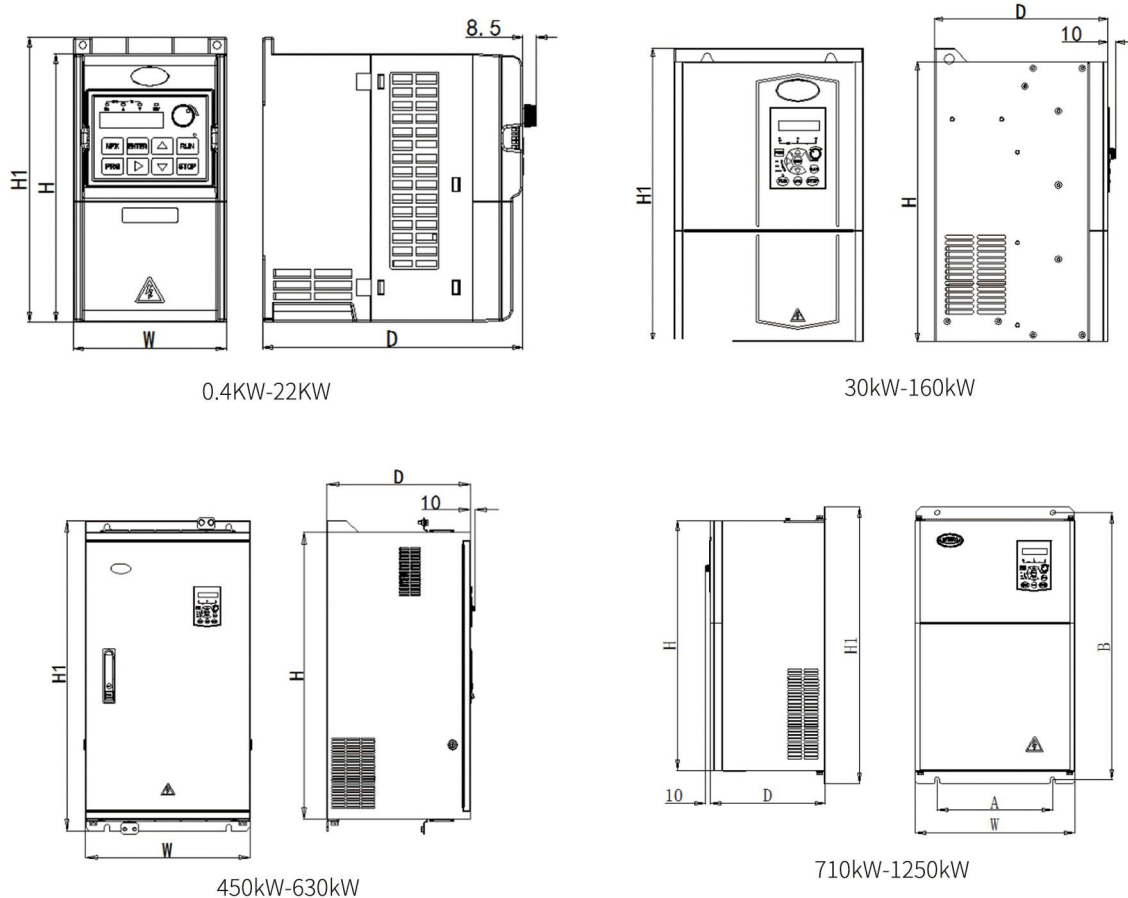
Selection Table

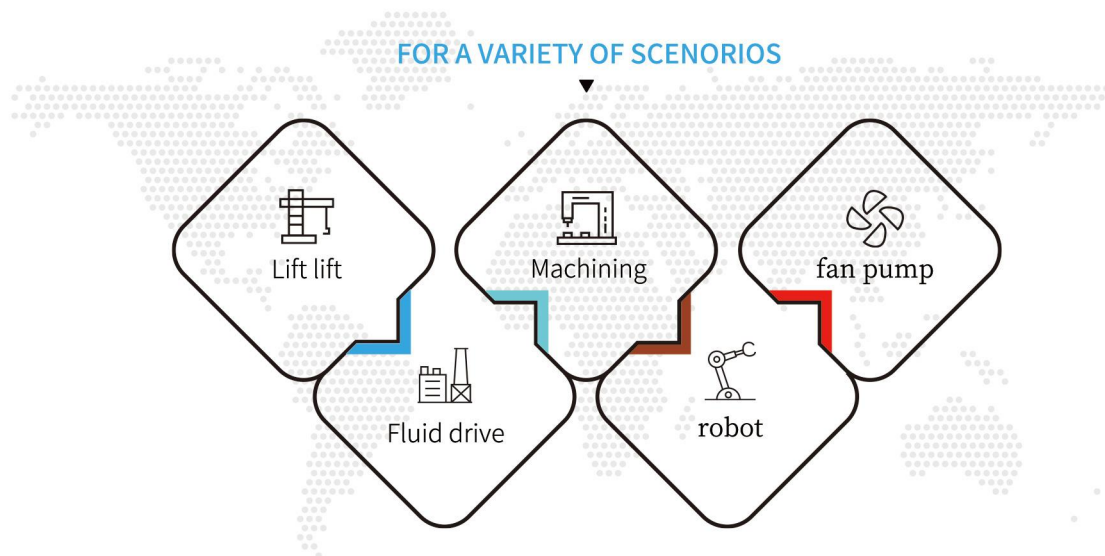
Inverter Model	Max DC input current (A)	Rated input current (A)	rated output current (A)	Mounting holes (mm)		Overall Dimension (mm)				Weight (kg)
				A1/A2	B	H	H1	W	D	
Single-phase power supply 200~240V 50 / 60Hz										
S400-2S0. 4G-PV	9	5.4	2.3	81/81	162	162	172	92	152	1.4
S400-2S0. 75G-PV	9	8.2	4							
S400-2S1. 5G-PV	12	14	7							
S400-2S2. 2G-PV	12	23	9.6							
Three-phase power supply 200~240V 50 / 60Hz										
S400-2T4. 0G-PV	20	17	16	81/81	162	162	172	92	152	1.4
S400-2T5. 5G-PV	30	25	20							
S400-2T7. 5G-PV	40	33	30							
Three-phase power supply 380~480V 50 / 60Hz										
S400-4T0. 75G-PV	9	3.4	2.5	81/81	162	162	172	92	152	1.4
S400-4T1. 5G-PV	9	5	3.7							
S400-4T2. 2G-PV	12	5.8	5.1							
S400-4T4. 0G-PV	16.5	10.5	9							
S400-4T5. 5G-PV	23.9	14.6	13	98/98	208	207	219	109	172.5	2.4
S400-4T7. 5G-PV	30.6	20.5	17							
S400-4T11G-PV	39.2	26	25	119/119	250	250	261	130	182	3.8
S400-4T15G-PV	49	35	32							
S400-4T18. 5G-PV	50	38.5	37	167/177	282	280	293	190	199	6.5
S400-4T22G-PV	60	46.5	45							
S400-4T30G-PV	81	62	60	210/200	410	390	426	250	210	14.6
S400-4T37G-PV	90	76	75							
S400-4T45G-PV	130	92	91	266/266	473	450	492	300	236	19.4
S400-4T55G-PV	150	113	112							

Selection Table

Inverter Model	Max DC input current (A)	Rated input current (A)	rated output current (A)	Mounting holes (mm)		Overall Dimension(mm)				Weight (kg)
				A1/A2	B	H	H1	W	D	
Three-phase power supply 380~480V 50 / 60Hz										
S400-4T75G-PV	200	157	150	230/230	536	500	555	320	230	26.5
S400-4T90G-PV	250	180	176	320/320	611	568	634	410	240	49
S400-4T110G-PV	300	214	210							
S400-4T132G-PV	360	256	253	310/310	594	545	620	440	310	
S400-4T160G-PV	430	307	304	310/310	764	600	675	440	320	
S400-4T185G-PV	480	346	330	310/310	764	730	790	420	366	80
S400-4T200G-PV	500	385	377							
S400-4T220G-PV	525	430	426	360/360	785	750	810	490	370	103
S400-4T250G-PV	550	468	465							
S400-4T280G-PV	600	525	520	520/520	1159	1120	1190	650	370	164
S400-4T315G-PV	690	590	585							
S400-4T355G-PV	760	665	650							
S400-4T400G-PV	870	785	725							
S400-4T450G-PV	970	883	800	335/335	1372	1320	1405	800	430	
S400-4T500G-PV	1100	988	930							

Overall dimensions





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