SHCKELE

Zhejiang Chuanken Electric Co.,ltd.

Contact: +8615270931770

www. shckele. com

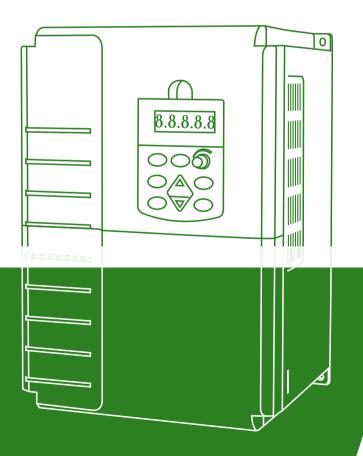
- Zhejiang Chuanken Electric Co., Itd. All rights reserved.
 Are subject to change without prior notice. Please use the latest version, Chuanken Electronics has the final interpretation right;
 Due to limited space, for more information, please call us!



INVERTER Selection Guide

SHCKELE

---- Motor drive control field solution provider



- Be tolerant to diversity
- willing to innovation

About // chuanken/

Be tolerant to diversity

www. shckele. com

A new and high technology enterprise with the courage to innovate and constantly seek breakthroughs, integrating production and research and development, is committed to the product upgrading and technological innovation in the field of industrial automation control; With strong technical strength and continuous spirit of innovation, it annotates the transcendental development of science and technology enterprises. Under the joint efforts of the company's employees over the years, the company has become a well-known brand in China in the fields of motor starting and protection and automatic energy saving control — Zhejiang Chuanken Electric Co., ltd.

Chuanken Electric adhering to the "technology innovation as the soul, customer-oriented" value system, adhere to the leading technology, customer first, full participation, continuous improvement of quality management concept; At present, the company has been successful to market more intelligent soft series, inverter products, developed products with completely independent intellectual property rights, performance can satisfy the demands of various customers widely electronics has a senior r&d team, has two major research and development center in Shanghai, wenzhou, focus on product innovation and upgrade in the field of industrial automation control, including within the company is specialized in research and development personnel accounted for 25% of the total number of employees; The company introduced advanced processing equipment at home and abroad, set up a high standard dust-free workshop, circuit board using automatic electronic equipment production and welding, to avoid the failure rate caused by human welding; The company's various refined production process, to ensure that the company factory products 100% qualified!





Enterprise / Qualification /

- Be tolerant to diversity
- | willing to innovation

www.shokala.com

www. shckele. com

Quality is the life of the company promote corporate culture, and implementing the quality assurance system, external to convey the spirit of enterprise, establish a brand concept. To ensure the quality of products, the company with first –class production and testing equipment. We have the world's most advanced production equipment. The use of a new concept of machine industry strong technical force, production to meet international standards of high quality final products.









#: 引地

独特

国国家强制性产品认证证书

201-131-2、6228-132-2、5238-138-5、5233-20-2、5238-132-2、5238-138-5、5233-138-5、5233-20-2、5233-20-5 iii 688-13- 4238-5 iii-13-138-5 203、2233-6233-688- 発見資金・233- 報告・子 本部本本社本要求

GB 14048.6-2008 上述产品符合强制性产品认证实施规则 28Ca-C03-02-2014价要求、种发此证。

在11 (4016, 6-2008) 上述产品符合领制处产品认证实施规则 2016-103-0212014特要点,特定总征。 015-9-11月23日 有效配款。2016-9-13月12日 本证书的库效性保护发达环始的文型位等获得评估。 交更证券。证书首定规定目指:2012-9-102月07日 (特点包含可谓过程实验是对法的。man pro co重角

在日140日、0-720日 上述产品等金額利性产品认证实施規則 705-037-032-2314年要求、申定必証、 015-011月33日 有組組生、2016年18月12日 本述书的京放性保証支援取出的、規定2012年42月07日 (株在日本では対策を選択日報: 2012年42月07日 (株在日本では対策を選出者の認定、2012年42月07日

独特

在日140日、0-720日 上述产品等金額利性产品认证实施規則 705-037-032-2314年要求、申定必証、 015-011月33日 有組組生、2016年18月12日 本述书的京放性保証支援取出的、規定2012年42月07日 (株在日本では対策を選択日報: 2012年42月07日 (株在日本では対策を選出者の認定、2012年42月07日





第一中国国家提制性产品认证证书 卓与中 1015日10日201797 参与人名の。現在 上が14分中には完成していません。 北京を表現するためは 次が5月一中には完成した。 メールを記される。 メールを記述される。 ストローを記述される。 ストロ

GB 14048.6-2008 上述产品符合指制性产品认证实施规则 CSC3-CO3-O2: 2014的要求、特定此证、 全球日期: 2015年12月30日 - 有效和至: 2029年11月3日日 塩体日期: 2015年12月30日 - 有效和至: 2029年11月3日日 但今有效股份/本证书的有效程限移发证机构约定期益替获得保持。 品格的地位员中国的企业设置基础。





中国质量认证中心

国国家强制性产品认证证书

国国家張制性产品认证。 近年時十、25150004435000 本本人名の、地路 上の17セラナ中は天然への 本年を表からのはもののはできる。 本年を表からのは、 本の表の一十十七代では、 まの表の一十十七代では、 まのまのまのまのまのまのまでは、 まのまのまのまのまのまでは、 まのまのまでは、 まのまでは、 まのまのまでは、 まのまのまでは、 まのまのまでは、 まのまでは、 までは、 までは、

电水配機器 201-10-7, 5020-10-7, 5020-10-7, 5020-10-7, 5023-50-7, 5020-50-7, 11-68-10-7, 2020-11-62-108-7, 505, 2003, 605, 605, 606, 後後間電ぶ-535- 産業・7 本報本権基本機工業を 68, 1683 (-2008

GB 14048.6-2008 上述产品符合报制性产品认证实施规则 [SCA-CO3-02:2024的要求、特定此版、 015年12月30日 有效期至: 2029年11月6日日 本江茶的有效性依据支证机构的定期监督获得保持。

国国家强制性产品认证证书

| MRI-115-7. SCHI-122-7. SCHI-108-7. SCHI-108-7. SCHI-90-7. SCHI-200-7. H. GROC, Lo. ACMER. Unida. 1984. 200. 2708. 600. 5005. 5606. 使用表別: NC-530. 機能. 37 GB 14048.6-2008 上述产品符合强制性产品认证实施规则 28Ca-C03-02-2014价要求、种发此证。

015年12月30日 有效期至: 2029年11月6日日 本江茶的有效性依据支证机构的定期监督获得保持。



国国家强制性产品认证证书

国国家提制性产品认证在

4年人名の、総合

上のマラケルは大からは

1年のフラケルは大からは

1年ののフラケルは大からは

1年ののフラケルは大からは

1年ののフラケルは大からは

1年の

GB 14545.6-2008 上述产品等合植制物产品认证实施规则 550×(50)-位2 2014研条系、特定总括。 315年12月30日 有成率区、2008年11月前日 本統率的資政性依据支援机构约定期监管股界保持。 持続社区が支援保管公益等が3mm cmc pro metal



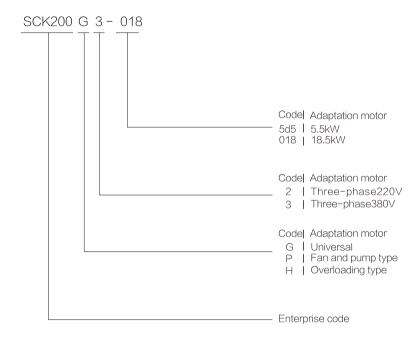








> Model selection definition



Standard platform series

➤ SCK200 series high-performance vector inverter: voltage grade 220V, power range 0.4~75kW 380V voltage level, the range of 0.75 ~ 630kW power

Special series

- ➤ Lifting inverter
- ➤ Special converter for grate
- ➤ Textile frequency changer
- ➤ Converter for injection molding
- ➤ Rotary cutting machine frequency
- > Air compressor special frequency
- ➤ High frequency output
- ➤ Constant pressure water supply
- Printing industry
- ➤ Tension control special inverter
- ➤ Machine tool spindle
- ➤ Woodworking high speed milling machine



Typical industry application

Air compressor industry

- ➤ High performance vector frequency conversion
- ➤ Closed loop constant pressure control
- ➤ Multi-machine network control
- ➤ Energy saving up to 20%~50%
- ➤ Intelligent sleep and low pressure wake up
- > Intelligent sleep and low pressure wake up, air compressor energy-saving integrated cabinet program is optional



Injection molding machine industry

- ➤ Integrated energy-saving control cabinet or plastic injection machine inverter program is optional
- ➤ Asynchronous servo scheme and double closed loop synchronous servo scheme are optional
- ➤ No high pressure throttling, overflow energy loss, energy saving rate up to 25%~70%
- > Soft start tracking operation, extend the service life of injection molding machine
- ➤ Independent air duct design, rear parts, top fan can be easily removed, easy to maintain;

Printing and packaging industry



- ➤ High performance vector control/torque control to achieve constant linear speed, constant tension control
- ➤ Tension sensor, speed encoder, no speed encoder, can widely replace torque motor, dc motor and magnetic clutch
- ➤ Dynamic torque current control, fast response
- > Coil diameter calculation special function, automatic calculation of the current coil diameter
- ➤ Double station free switch function, suitable for coating machine, paper machine, printing machine.

Hoisting crane



- > Professional design of lock logic timing function, to ensure comfort and safety of the brake at the moment of opening, no "overshoot" phenomenon on the upside, no "weightlessness" on the moment of descent.
- ➤ Acceleration and deceleration s-curve can be selected to guarantee the ride comfort. The acceleration and deceleration time and operation frequency can be adjusted to ensure the accurate flat floor of the building lift.
- ➤ Release brake setting can ensure the start of the motor. Different frequency of release brake can be set.

 Starting current and current detection time can ensure the size of lifting torque to prevent chute phenomenon.
- ➤ The inverter has perfect protection functions such as phase loss protection, under-voltage protection, overcurrent protection, over-heat protection, overload protection and brake lock output protection.

Machine tool industry



- ➤ Rich comprehensive functions, excellent servo characteristics, it can be used in different CNC systems, can achieve synchronous control; High-speed response; Low speed high torque cutting, high speed constant power cutting
- ➤ The maximum speed of asynchronous servo can reach 8000r/min; Synchronous servo can be weakly magnetic 2~3 times
- > The scheme of permanent magnet synchronous direct drive motor used in high precision nc machine tool is supported
- > Spindle open loop control: a variety of vector control methods for various machine tools

Typical industry application

Wood processing



- ➤ Built-in rotary cutting machine, skin rolling machine, peeling machine process algorithm
- > Unique vector control algorithm, dynamic torque current control, fast response to load changes
- > Automatically adjust the feed speed of the rotary cutter according to the position of the rotary cutter
- > Online setting of rotary cutting process parameters, online modification of functional parameters to view
- > Wide application range of voltage, especially suitable for rural power grid conditions of the occasion, stable and reliable work



Textile industry

- Reduce breakage rate and improve production efficiency
- > Special external radiator, easy to clean cotton wool
- > Unique swing frequency function, suitable for yarn winding equipment
- > Abundant indication signal: full sand indication, broken line indication, off power indication



Stone processing

- ➤ Simple and convenient operation, installation line reduction
- > Smooth running curve, reduce plate damage rate, start smooth
- > Reduce mechanical damage and maintenance cost
- ➤ Constant tension control of internal anti-break rope, main and auxiliary operation function of frequency



Oil field

- > Special frequency converter for pumping unit, no energy feedback or energy consumption braking
- ➤ More advanced process algorithm, higher power saving effect, less harmonic and reactive current
- > Can provide outdoor digital control cabinet, thermostatic control cabinet can be in the field high
- > Rich and flexible monitoring functions



Constant pressure

- ➤ Excellent PID function, according to the actual water consumption, automatic water pressure detection
- Centralized constant pressure water supply: built-in one towed multiple water supply expansion card,
- ➤ Constant pressure is maintained in the system at any flow
- > PID has sleep and wake function, built-in bypass system
- ➤ High efficiency and energy saving, stable pressure, high feedback too low, under voltage protection
- > Avoid frequent start and stop, and start smooth, reduce the impact of the pump, increase the service life of the pump

• Technical specification

Project		Specifications					
	Highest Frequency	Vector Control: 0~300hzv/f Control: 0~3000Hz					
	Carrier frequency	0.5kHz~16kHz carrier frequency can be automatically adjusted					
	Input frequency resolution	Digital setting: 0.01Hz Simulation setting: maximum frequency ×0.025%					
	control mode	Open loop vector control (SVC), closed loop vector control (FVC), V/F control					
	Starting torque	G model: 0.5hz /150% (SVC);0 hz / 180% (FVC) P-type machine: 0.5Hz/100%					
	Speed range	1:100(SVC) 1:1000(FVC)					
	Steady speed precision	±0.5% (SVC) ±0.02% (FVC)					
	Torque control accuracy	±5% (FVC)					
	Overload capacity	G-type machine: 150% rated current 60s;180% rated current, 3s P-type machine: 120% rated current 60s;150% rated current, 3s					
Basic	Torque increase	Automatic torque lifting;Manual torque increases by 0.1%~30.0%					
function	V/F curve	Three ways: linear;Multipoint;V/F curve of type N (1.2, 1.4, 1.6, 1.8, 2)					
	V/F separation	Two ways: full separation and half separation					
	Acceleration deceleration	Four kinds of acceleration and deceleration time range: 0.00s~65000s.					
	DC brake	Dc braking frequency: 0.00Hz~ maximum frequency Braking time: 0.0s~36.0s Braking action current value: 0.0%~100.0%					
	Inching control	Frequency range: 0.00Hz~50.00hz.inching acceleration and deceleration time: 0.00s~65000s					
	PLC, multi-speed operation	Up to 16 speed runs through built-in plc or control terminal					
	Built-in PID	It is convenient to realize process control closed-loop control system					
	Voltage adjustment (AVR)	When the network voltage changes, it can automatically protect the output voltage constant					
	Over drain rate control	The current and voltage are automatically limited during operation					
	Fast current limiting function	Minimize overcurrent fault, protect inverter normal operation					
	Torque limitation	The characteristics of "excavator" automatically limit the torque during operation to prevent frequent overcurrent trip;The closed - loop vector mode can realize torque control					

Inverter



SCK series ► Inverter

	Excellent performance	Current vector control to achieve asynchronous motor and synchronous motor control				
	Instantaneous stop	Voltage decrease is compensated by the energy feedback from the load				
	Rapid current limiting	Avoid frequency converter frequent overcurrent fault				
	Virtual IO	Five groups of virtual DIDO, can achieve simple logic control				
	Timing control	Timing control function: set the time range from 0.0Min to 6500.0Min				
Personal function	Multiple motor switching	Two sets of motor parameters, can achieve two motor switching control				
	Multithreaded bus support	Current support: rs-485 bus, later will support profibus-dp, canOpen and other buses				
	Motor overheat protection	PG card interface can input the motor temperature simulation quantity				
	Multi-encoder support	Support differential, open collector, UVW, rotary transformer, sine and cosine encoders				
	Background software	Through virtual oscilloscope, the internal state of inverter can be monitored graphically				
	Command source	Operation panel is given, control terminal is given, serial communication port is given				
	Frequency source	10 frequency sources: digital given, analog voltage given, analog current given, pulse given, serial port given. Can be switched through a variety of ways				
	Auxiliary frequency source	10 auxiliary frequency sources.It				
Run	The input terminals	Standard: 6 digital input terminals, 1 support up to 50kHz high-speed pulse input 2 analog input terminals, 2 support 0~10V voltage input or 0~20mA current input expansion capacity				
	The output terminals	Standard: 1 high speed pulse output terminal (optional open collector), support 0~50kHz square wave signal output1 digital output terminal2 sets of relay output terminals1 analog output terminal, 1 support 0~20mA current output or 0~10V voltage output expansion capacity				
	LED display	Display parameters				
-	LCD display	Optional, Chinese/English prompt operation content				
Display and	Parameters of the copy	Rapid replication of parameters can be achieved through LCD operation panel options				
keyboard operation	Key locking	Implement partial or full key lock, define the scope of some keys to prevent misoperation				
,	Protection function	Short circuit detection of the upper motor, input and output phase loss protection, over-current protection, over-voltage protection, overload protection, etc				
	Use place	Indoor, not directly exposed to the sun, no dust, corrosive gas, combustible gas, oil mist				
	The altitude	Below 1000m, above 1000m derogated use				
Envi ronment	Environment temperature	-10 ℃~ +40℃ (ambient temperature is 40℃~50℃, apply for derating)				
	Humidity	Less than 95%RH, no condensation				
		Less than 5.9m/s2 (0.6g)				
	Vibration	Less than 5.9m/s2 (0.6g)				



Working principle

PLC card is a multi-functional micro PLC specially developed for frequency converter. PLC can be integrated into frequency converter through expansion card.

The traditional special inverter needs to change the bottom layer to realize the special plane function, and the PLC card only needs to write different ladder diagram program, no need to change the bottom layer to realize the special plane function.



Source

- Input / 4 out, can share inverter I/O (8 in / 4 out) and 2AI / 2AO
- compatible with MX1H instruction set
- basic instruction processing speed is 0.084us/ step
- integrated instruction processing speed is 1K steps/ms
- •program capacity 12K steps, 2K bytes power off to maintain
- with PID command, constitute a closed loop system, inverter more reliable

Conmunication

- ◆ RS485 port, Modbus programming
- ◆ Modbus/ free port /MXLink network

▶ Programming environment

- Support ladder diagram, statement table, sequence function diagram
- Chinese editing environment, user program software encryption







Inverter

- ◆ Inverter built-in PLC card is equivalent to a inverter plus a powerful PLC, PLC card compatible with the inverter I/O and 2 analog input and 2 analog output, more simple and convenient, save a lot of cost.
- ◆ PLC card can read and write inverter parameters directly through the internal protocol, communication speed up to 1~2ms
- ◆ PLC card can use a special register to read and write customers need voltage, current, speed and other signals,



SCK200 series universal inverter

▶ Product overview

SCK200 series universal vector inverter, simple operation, excellent vector control performance, High cost performance and easy to maintain, and in printing, textile, machine tools and packaging machinery, water supply, fan and many other areas of outstanding performance.







Technical indicators

Power range: single phase: 0.4kw ~ 75kW; Three phase: 0.75 kW to 630 kW

Output frequency: 0~400Hz

Speed range: 1:200

Control mode: no PG open loop vector control, V/F control

Operation mode: speed mode

Starting torque: 150% rated torque can be output at 0.25Hz

▶ Product advantage

- 1, advanced vector control algorithm, low frequency start torque is large,
- 2. Built-in PID function forms a closed-loop control system
- 3, through the built-in simple PLC function automatically run multi-stage speed
- 4. Built-in automatic torque compensation function and deviation compensation function
- 5. Common dc bus
- 6, support a variety of frequency given mode, digital given, analog given,
- $\ensuremath{\mathsf{PID}}$ given, communication given, free switch through terminal keyboard given mode

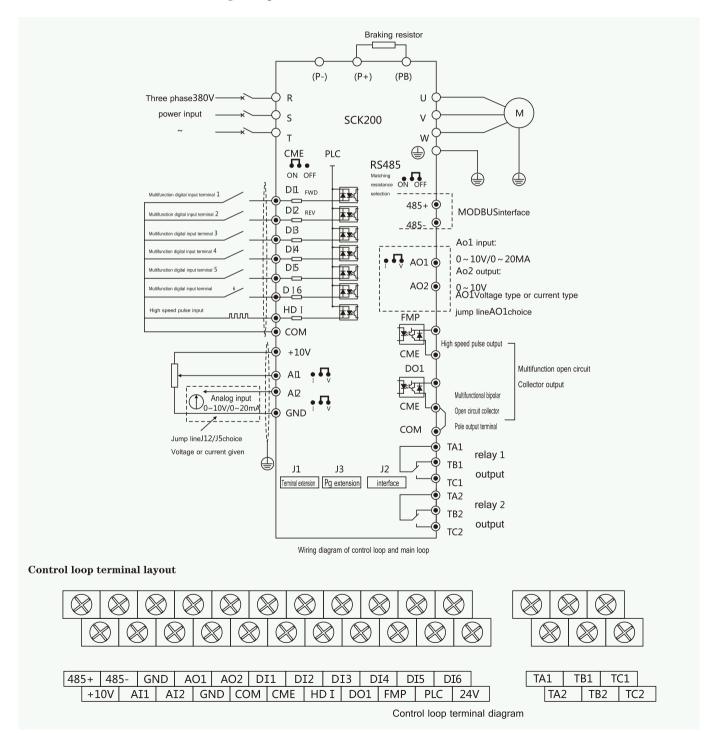
- 7, Rich programmable input and output terminals
- 8, Can achieve instantaneous power failure without stopping
- 9. Unique address mapping function
- 10, can provide a variety of fault protection functions
- 11. Single-phase $0.4kW \sim 2.2kW$ braking unit can be optional: three-phase $0.4kW \sim 22kW$ brakingUnit standard built in

▶ Industry application

CNC lathe, grinding machine, drilling machine, textile machinery, printing and dyeing equipment, packaging and printing machinery.



Ontrol circuit and main circuit wiring description



SCK series ► Inverter

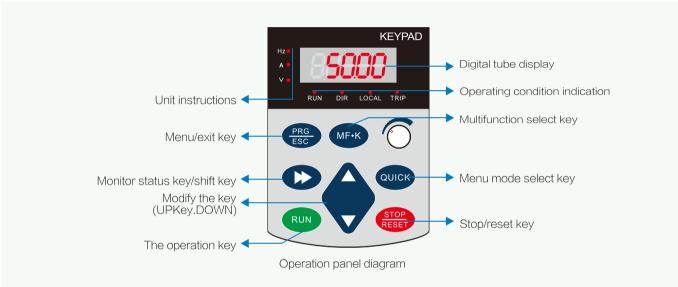
▶ Control loop terminal description

Category	Terminal symbols	Terminal name	Functional specifications		
Power supply	+10V- GND	External +10V power supply	Supply +10v power to the outside, maximum output current: 10m Alt is generally used as the working power source of external potentiometer, and the resistance range of potentiometer is $1k\Omega \sim 5k\Omega$		
	+24V- COM	External +24V power supply	To provide a +24V power supply, generally used as a digital input and output terminal operating power and External sensor power supply;Maximum output current: 200mA		
Analog	Al1- GND	Analog input terminal 1	1. Input range: DC 0V \sim 10V/0mA \sim 20mA, from Al1 on the control boardJumper selection decision. 2, input impedance, voltage type 22 k Ω , 500 Ω current input.		
input	AI2- GND	Analog input terminal 2	1. Input range: DC 0V \sim 10V/0mA \sim 20mA, jump from Al2 on the control boardLine selection decision. 2, input impedance, voltage type 22 k Ω , 500 Ω current input.		
	D I 1	Digital input1			
	D I 2	Digital input2	1, optical lotus isolation, compatible with bipolar input		
5. u	D I 3	Digital input3	2, input impedance: 4.4 k Ω		
Digital input	D 4	Digital input4	3. Voltage range when level input: 9V ~ 30V		
iriput	D 5	Digital input5			
	D 1 6	Digital input6			
	HD I	High speed pulse input	.Maximum input frequency: 50kHz		
Output	AO1- GND	Analog output 1	The jumper J6 selection on the control board determines the voltage or current output. Output voltage range: 0V ~ 10V Output current range: 0mA ~ 20mA		
analog	AO2- GND	Analog output 2	Output voltage range: 0V ~ 10V		
Digital output	DO1- CME	Digital output 1	Lotus isolation, open collector output Output voltage range: 0V ~ 24V Output current range: 0mA ~ 50mA Note: the digital input point CME and the digital input point C0M are internally isolated, but when they leave the factoryCME and COM have been internally shorted (DO1 now defaults to +24V drivers).		
	FM- COM	High speed pulse output	Constrained by function code b4-00 "FM terminal output mode selection ", when used as a high-speed pulseImpulse output, Max. 50kHz: when output as open collector, same as DO1 specification		
	TA1- TB1/TA2-TB2	Normally closed contacts	Contact driving capability:		
Relay output	TA1- TC1/TA2-TC2	Often beginning terminal	AC250V,3A,COSO=0.4。 DC 30V,1A		
Coordon	J1	Card interface	With optional card (I /O expansion card, such as PLC card) interface		
Secondary interface	J3	PGCard interface	OC, differential,UVWABZ, rotation, etc		
	J2	Interface	Panel outlet interface		



Operation display interface

The operation panel can be used to modify the functional parameters of the inverter, monitor its working status and control its operation (start and stop).



Function indicator light description

RUN: When the light is off, the inverter is in the state of shutdown. When the light is on, the inverter is in the state of operation.

LOCAL: The light off indicates the keyboard operation and control state, the light on indicates the terminal operation and control state

DIR: Positive and negative turn indicator light, the light is in the state of positive turn.

TRIP:

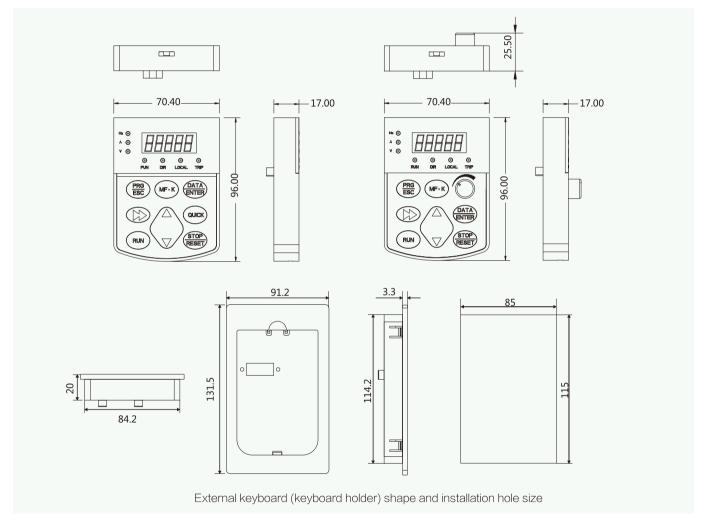
- 1)When the light is on, it is in torque control mode, when the light is slow flashing, it is in tuning state
- 2) Unit indicator light: Hz: frequency unit; A: current unit; V: voltage unit;
- 3) Digital display area: 5-digit LED display can display the set frequency, output frequency, various monitoring data and alarm code.
- 4) keyboard button description table

Keyboard menu

		Noyboard Mona
Key	Name	Function
PRG/ESC	Programming key	First level menu entry or exit
DATA/ENTER	Identify key	Step by step enter the menu screen and confirm the setting parameters
\triangle	Increasing key	Increment of data or function code
∇	Descending key	Decrement of data or function code
	Shift key	Display parameters can be selected cyclically under the stop display interface When modifying the parameters, you can select the modification bit of the parameters.
RUN	Operation key	In keyboard mode, used to run operations.
STOP/RESET	Stop/reset	In the running state, press this key to stop the operation. In the fault alarm state, it can be used for compound operation. The characteristics of the key are governed by the function code b9-00.
MF.K	Multifunction select key	Select function switch according to b9-01
QUICK	Menu select key	Switch between different menu modes according to the a0-08 median value

SCK series > Inverter

External keyboard (keyboard holder) shape and installation hole size



Choose accessories

If you need the following optional parts, please specify when ordering.

Inverter accessories

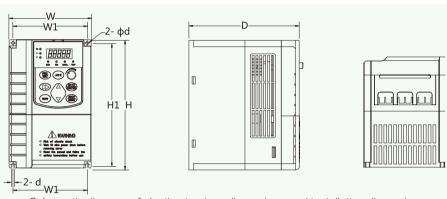
Name	Model	Function	Note
Built-in brake unit	Product model rear belt "-b"	Single phase from 0.4kw to 2.2kw Three – phase from 0.75kW ~ 15kW built-in brake unit is standard configuration	
External brake unit		22kW and above external brake unit	
Energy feedback unit		Energy saving products	
The rectifier unit		nverter common bus	



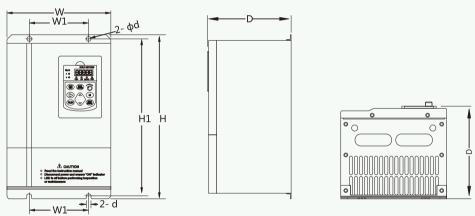


→ SCK series Inverter

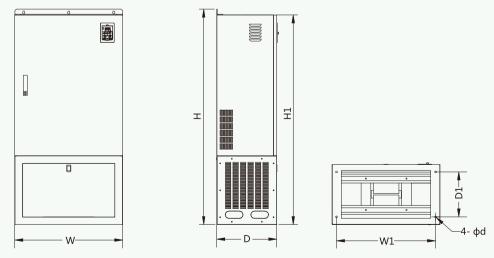
Overall dimensions



Schematic diagram of plastic structure dimensions and installation dimensions



Sheet metal structure outline dimensions and installation dimensions schematic diagram



Cabinet type machine structure dimensions and installation dimensions schematic diagram



• The shell structure of various models is as follows:

	Single phase220V	Three-phase220V		Three-phase380V	
Models	0.4kW~2.2kW	0.4kW~3.7kW	5.5kW~75kW	0.75kW~18.5kW	22kW~400kW
Shell type	Plastic structure	Plastic structure	Sheet metal structure	Plastic structure	Sheet metal structure

▶ Inverter appearance and mounting hole size

Frequency converter model	Shape and mounting dimension(mm)						
Frequency converter model	W	W1	Н	H1	D	D1	Φd
	Three-phase380V						
				<u>'</u>			
SCK200G3- 004/P3- 5d5	118	118	185	175.5	157		Ф4.5
SCK200G3-5d5/P3-7d5	160	148	247	235	177		Ф5.5
SCK200G3-7d5/P3-011	160	148	247	235	177		Ψ5.5
SCK200G3- 011/P3- 015				334	194		Ф7
SCK200G3- 015/P3- 018	220	126	349				
SCK200G3- 018/P3- 022							
SCK200G3- 022/P3- 030		160	470	4350	218		Ф7
SCK200G3- 030/P3- 037	260						
SCK200G3- 037/P3- 045							
SCK200G3- 045/P3- 055	390	260	600	570	240		Ф10
SCK200G3- 055/P3- 075	330	200	000	370	240		7 10
SCK200G3- 075/P3- 090	475	345	700	670	239		Ф12
SCK200G3- 090/P3- 110	170	0.10	, 00	070	200		7 12
SCK200G3- 110/P3- 132			930	890	380		Ф12
SCK200G3- 132/P3- 160	585	450					
SCK200G3- 160/P3- 185	300	430					
SCK200G3- 185/P3- 200							
SCK200G3- 200/P3- 220							
SCK200G3- 220/P3- 250					385		Ф14
SCK200G3- 250/P3- 280	650	420	1060	1010			
SCK200G3- 280/P3- 315							
SCK200G3- 315/P3- 355 SCK200G3- 355/P3- 400							
SCK200G3-355/P3-400 SCK200G3-400/P3-450	800	680	1360	1270	400		Ф14
SCK200G3- 450/P3- 560							
SCK200G3- 450/P3- 630	900	480	1790	1760	480		Ф14
30NZUUG3- 30U/P3- 03U							



✓ SCK series Inverter