Vision: To become the first-class general use frequency inverter preferred supplier

Mission: Committed to provide value-added products and services for rapid and changeable customers

Core Values: Respect and Trust, Pragmatic Innovation, Respect Talented Person, Win-win Cooperation

- **Pre-sale Service:**
  Technical scheme analysis, frequency converter model selection; Can customize product and software according to customer requirements
- **Selling Service:**
  Deliver in time, Technical Training,Installation and Debugging
- **After-sale Service:**
  Use effect tracking, Breakdown maintenance, Software upgrades

Learn more visiting the official website:
www.szeasydrive.com

V2.0

EASYDRIVE®

Joint venture with Schneider Electric

Product Catalogue

Shenzhen Easydrive Electric Co., Ltd

Company Profile

Shenzhen Easydrive Electic Co.,Ltd was founded in 2004, a joint venture with Schneider Electric, Shenzhen Double Soft Certification Enterprise ,National High and New Technology Enterprise, Focus on frequency control system and other power electronics transmission technology research and development, production and sales. Relying on high performance vector frequency conversion control technology, power electronics drive technology and other core technology platform and powerful marketing network platform, the product won the title of "quality trusted product", were exported to more than 50 countries and regions. Easydrive repeatedly won the title of "Top 10 brands of low-voltage frequency inverter"

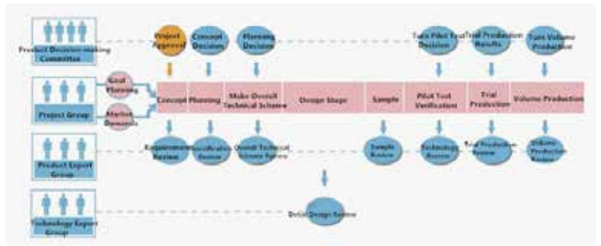
Easydrive electric is committed to provide value-added products and services for rapid and changeable customers, realize the common growth of enterprise value and customer value.

our company has set up more than 20 marketing offices in China ,to provide professional and convenient services for customers. the products are widely used in machine tools, wire and cable, plastic, printing, packaging, textile, electronic equipment, building materials, metallurgy, coal mining, municipal and other industries.

Enterprise honor

Strong Development Ability

Easydrive is a national high-tech enterprises that technical innovation is the life. We adopt advance IPD development process to fully implement strict product planning and test validation from product demand entry to market launch, To ensure rapid, accurate and reliable convert customer requirements into the product.



All-around Technical Testing And Verification Based on Site

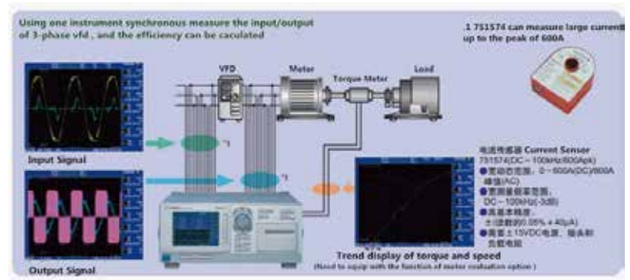
Score technology

Voltage vector, Current vector control algorithm

Flux observer technology, Weak magnetic algorithm

Accurate parameter self-tuning technology

Auto Current Limiting, Current control technology



Motor back to back testing Platform

Motor back to back testing Platform

Motor Performance Test Platform

Power Analyzer

Electric Stress Test Instrument

Environmental Chambers

Environment Test Platform

The High Frequency Noise Simulating Generator

ESD Generator

Automatic Lightning Surge Tester

Intelligent Group Pulse Generator

EMC Test Platform

The Advantage Of The Supply Chain

Easydrive electric always proceed with strict quality management ,Optimizing the production process diligently, applying advanced ERP management system to integrate orders、procurement、Production and coordination of logistics，to ensure the delivery of accurate、timely and reliable. At present it has formed annual production of 150,000 inverters with excellent manufacture supply capacity.

The advantage of the supply chain

Reliable Quality Guarantee System: ISO9001 Quality System Certification

Advanced Production Equipment Guarantee: Three Anti-automatic Coating Apparatus,Automatic Module Welding Equipment,Automatic Production Line

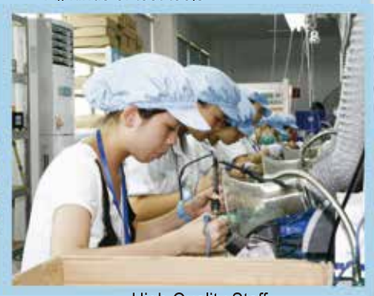
Strict Test Methods Guarantee: All kinds of Auto, Semi-auto Test Equipment

ISO9001 Quality System Certification

All kinds of test tools

Automatic Tester

Product 100% Load Test



High Quality Staff

Orderly Assembly Line

Strict Product Inspection System

Automatic Test Equipment

GT200 High performance system type frequency inverter

Power Range

- GT200 0.7KW—280KW/AC380V~440V

Product Feature

- Excellent performance
  Speed Stable Precision:+/-0.5% rated synchronous speed(SVC)
  Speed Adjustment Range: 1:100(SVC)
  Torque Response:<20ms (SVC)
  Heavy Load Overload Capacity: 110% rated stable operation,150% rated load 1min,180% rated load 3s
  Low frequency large torque, under the open-loop vector model,can realise 0.5Hz loading (150% rated load) stable operation.
  The drive can keep enough torque output capacity and no trip to run when there is instant mutation load.
  Auto Current Limiting: Motor current can be controlled at a certain level does not affect the output torque.
  Can accurately identify the motor parameters, realise high performance vector control.
  Can realise static self-learning,dynamic self-learning, and adapt to different working condition requirement.
  Can realise motor parameters accurate setting under the condition of long cable.

- Rich and Comprehensive Application Function
  Flexible Multi-stage V/F Curve;Multi-stage speed Control;Sample PLC application;Standard RS485 Communication
  The Selection of Frequency Source And Command Source;Frequency Binding and Switching;Frequency master and auxiliary;
  Pulse frequency input and output
  Built-in PI control;Preset for closed-loop;Zero frequency difference ;
  Swing frequency operation;Fixed length control;Speed tracking;Droop control;Instant stop non-stop;Automatic energy-saving operation;Multiple protection and overload warning
  Built-in braking unit below 22kw;Strong Expandability

- Excellent adaptability
  Working voltage range: Rated voltage 380-440V; through the automatic voltage regulation technology (AVR), the long-term low
  Analog output terminal:2-10V/ 0-10V/4-20mA/0-20mA optional, output physical quantity optional, convenient for connecting external instrument.
  Operating time automatically accumulated: set the time to issue instructions to facilitate the maintenance of equipment maintenance.
  User password settings: the user's parameters can be kept secret to prevent unauthorized personnel modify parameters.
  Built in braking unit: Below 22kw no external braking unit needed, reduce the cost of the customer system.
  Strong Expandability : Reserved 2pcs Expansion card position, can connect to I/O Expansion card,communication expansion card and other process expansion card(Such as air compressor adapter card, water-supply card, plastic injection card and etc), or customized cards according to user’s demand.
  Dustproof design: Comprehensive anti-corrosion paint spraying protection, independent air duct design, dust accessories optional to increase overall defensive capabilities, to meet the long-term reliable operation of high humidity or excessive dust occasions.
  Easily replaceable fan: Don’t need to disassemble to realize quick replacement of fan, adapt to the special environment of wind machine, adapt to special occasions which need regular cleaning air duct debris.

GT200 control loop CN3 terminal function explanation

Category	Terminal label	Name	Terminal function explanation	Specification
Communication	485+	RS485 communication port	RS485 differential signal Positive end	Standard RS485 Communication port Use twisted pair or shielded wire
	485–		RS485 differential signal Negative end	
Multifunctional output terminal	DO1	Open collector output terminal	Programmable definition for a variety of functions of the output terminal, see the terminal function parameters F6.11, F6.12 output terminal function, can be extended DO3 open collector output terminal	Optical coupler isolated output. Work Voltage range:9-30V; Maximum output current:50mA
	DO2	Open collector pulse output terminal		Work Voltage range:9-30V; Maximum output current:50mA Maximum output frequency:50KHz(Due to F6.20)
Relay output terminal	TA TB TC	Programmable relay terminal output	Normal:TA-TB often closed; TA-TC often open; Relay output terminal Programmable defined as a variety of functions of the relay output terminals, can be extended TB2 TC2 TA2 (see the parameters of the F6.13 function description)	Contact rating NO：3A 24VDC；5A 250VAC NC：3A 24VDC；3A 250VAC
Analog input	AI1/AI2	Analog input AI2	Accept analog current, voltage input, can be selected by the functional code (Reference: GND) can be extended to AI3, support PT100/PT1000 differential input	Input voltage range:0-10V(Input impedance100KΩ Input current range:0-20mA(Input impedance:165Ω) Resolution:1/1000
Analog output	AO	Analog output	To provide analog voltage, current output, through the functional code selection, can be corresponding to 12 kinds of physical quantities, the factory default output frequency, can be extended AO2 (see parameters F6.24/F6.25 function description)	Voltage output range:0-10V Voltage output range:0-20mA
Multifunctional imput terminal	DI1	Multifunctional imput terminal 1	Programmable logic is defined as a variety of functions of the switch input terminals, see the sixth chapter terminal function parameters (input and output) input terminal function. (common: PLC) (see parameter function F6.00-F6.04 description) can be extended DI6-DI10	Optical coupler isolated output Input impedance:3.3KΩ Maximum input frequency:200Hz Input voltage range:DC9-30V
	DI2	Multifunctional imput terminal 2		
	DI3	Multifunctional imput terminal 3		
	DI4	Multifunctional imput terminal 4		
	DI5	Multifunctional imput terminal 5		
Power Supply	10V	+10V power supply	External supply 10V power supply	Maximum output current:50mA
	GND	+10V power supply common terminal	Reference ground for analog signal and 10V power supply	COM andGND are internal separated by each other.
	COM	+24V power supply common terminal	Digital signal input and output common terminal	
	+24V	+24V power supply	Digital signal power supply	Maximum output current:200mA
	PLC	Multifunctional input common terminal	DI1-DI5 common terminal	Ex factory short connection with 24V
	CME	digit output comman terminal	multifunctional output terminal DO1 common terminal	Ex factory short connection with COM

Overall dimension

Series	Power(KW)	W	W1	H	H1	D	D1	D2	D3	Aperture
GT200	0.7-4	120	109	215	204	158	133	85	-	5.5
	5.5-7.5	150	138	259	248	183	176	150	105	5.5
	11-15	205	188	322	305	219	210	168	143	6.5
	18.5-22	235	218	370	350	237	230	200	145	7.0
	30-37	305	200	490	470	270	235	207	-	10
	45-75	320	197	560	543	302	275	237	-	10
	90-132	355	240	678	659	307	257	257	-	11
	160-185	450	300	900	875	372	345	300	-	12
	200-220	480	-	1070	-	412	400	313	-	-
	250-280	525	-	1300	-	438	425	335	-	-

GT200 High performance system type frequency inverter

Product technicalspecifications

Item		Description
Input	Rated voltage/ Frequency	Single-phase 200V-240V，three-phase,380V-440Vac;50Hz/60Hz
	Allowed voltage range	Voltage:200V(-15%)～240V（+10%）380v(-15%)～440v（+10%）;Voltage unbalance rate:<3%;Frequency:±5%
Output	Rated voltage(A)	0～input voltage
	Frequency	0Hz～550Hz
	Overload capacity	150% rated current for 60s
Main control function	Control mode	Sensorless vector control（SVC),V/F
	Range of speed regulation	1:100
	starting torque	150% rated torque when 0.5Hz
	Speed control accuracy	≤±5% rated synchronous speed
	Frequency accuracy	Digital set :max. frequency×±0.01%　Analog set：max.frequency×±0.2%
	Frequency resolution	Digital set :1Hz ;Analog set：max. frequency×0.1%
	Torque rise	Auto torque ascension,manual torque ascension 0.1%～30.0%
	V/F curve	Four ways:1 kind of user set V/F curve way、3 kinds of drop torque characteristic curve way(2.0 times power，1.7 times power，1.2 times power
	Acceleration/deceleration curve	Three ways:line acceleration/deceleration、Scurve acceleration/deceleration、Auto acceleration/deceleration four acceleration/deceleration time，with the unit of time（minute/second） optional ,max.time set 60 hours
	DC braking	DC braking start frequency:0.00Hz～60.00Hz;braking time:0.0～30.0s;braking current:G type 0.0～100.0%
	Jogging	Jog frequency range:0.00Hz～50.0Hz
	Multi-speed operating	It can be realized by interior-PLC or control terminal
	Built-in PID	Be convenient to make closed-loop control system
	Auto energy-saving running	According to load condition, V/F curve can be optimized automatically to get the aim of energy-saving running.
	Auto voltage adjustment	when rhe voltage of network changes,the output voltage can be automatically kept constant
	Auto current limiting	During the operation, the current is automatically limited to prevent frequent flow to falut trip
	Auto carrier adjustment	According to the load characteristics ,automatically adjust the carrier frequency
Customized function	Textile swing frequency	Textile swing frequency control,it can realize the function of fixed and variable swing frequency
	Fixed length control	Length reached stop function
	Sagging function	Applicable to multiple inverters drive one load
	Instant stop/non-stop control	when power-supply off instantly,it can realize keep running through control bus voltage
	Binding function	Running command channel and frequency given channal can be binded and change at same time
Running function	Running command channel	Operation panel,control terminal and communication port , can be switched through many ways
	Frequency given channel	Digial given, keypad potentiometer,analog voltage given,analog current given, pulse given,communication port given,can be switched through many ways
	Auxiliary frequency given channel	Realize flexible auxiliary frequency fine-turing and frequency combination operation
	Pulse output terminal	0～50KHz pulse square wave signal output,can realize output setting frequency and output frequency ect.
	Analog output terminal	2 ways analog output,0～10v、0～20mA to get output of physical quantity such as setting frequency and output frequency
Operating panel	LED display	can display 20 kinds of parameters such as setting frequency,output frequency,output voltage,output current and so on
	Key Locked and function choose	Define the function scope of part of the keys,in case of mistake operation
	protection function	Phase-loss protection(optional),over current protection,over voltage protection,under voltage protection,over heat protection,over load protection
	Service location	Indoor,not suffer from sun,dust,corrosive gas,oil fog,steam and so on
Environment	Altitude	Less than 1000m (derating at higher than 1000m)
	Environment temperature	－10°C～＋40°C
	Humidity	Less than 90%RH，no condensation
	Vibration	Less than 5.9m/s2（0.6M）
	Storage temperature	－20°C～＋60°C
Structure	Protection class	IP20 (In service state or keyboard state.)
	Cooling way	Air-blast cooling
	Installation Way	GT100：Wall-hanging、Lateral installation、Guide rail installation,GT200：Wall-hanging,Cabinet、Through the wall installation

GT20 high performance universal frequency inverter

Power Range

- GT20 380V：0.4KW ~ 5.5KW
- GT20 220V：0.4KW ~ 2.2KW

Product Feature

- **performance feature**

  1.Excellent current control capability,Ensure that the inverter doesn't trip during the process of fast acceleration.

  2.The overexcitation function is automatically added in the deceleration process,deceleration time is shorter.

  3.Strong over modulation capability,the output voltage is higher at the same input voltage.

  4.Strong overload suppression capability,Ensure that the inverter does not stop due to overload fault at the maximum outpu.ting and dyeing, packaging, printing, pharmaceutical, food, reflow and production line etc.

- **Function Features**

  1.Built-in industry-specific macro parameters， Support one-click setting of industry parameters

  2.Support external keyboard (LED, LCD keyboard)

  3.Side by side installation, guide rail installation

  4.Support keyboard parameter copy

- **Application**

  GT20 is a small size smart inverter product, It can be widely used in woodworking carving, glass edge grinding, food filling, medicine centrifuge, automatic production line, electronic equipment, logistics equipment and small automated mechanical equipment etc.

GT20 control loop terminal function explanation

Category	Terminal Label	Name	Terminal function description	Specification
Communication	485+	RS485 communication interface	RS485 differential signal positive terminal	For standard RS485 communication interface, please use twisted pair or shielded wire.
	485-		RS485 differential signal negative terminal	
Multifunctional output terminal	DO1	Open collector output terminal	It can be programmed and defined as switch output terminal with multiple functions, see terminal function parameter F6.11 for details, output terminal function introduction (common port CME)	Optocoupler isolated output; Working voltage range 9-30V; Maximum output current: 50mA
Multifunctional output terminal	DO2	Open collector output terminal	It can be programmed and defined as switch output terminal with multiple functions, see terminal function parameter F6.12 for details, output terminal function introduction (common port CME)	Optocoupler isolated output; Working voltage range 9-30V; Maximum output current: 50mA; Maximum output frequency: 50KHZ;
Analog Input	AI1	Analog input AI1	AI1 terminal receiving analog current, and voltage input (selected and switched through jump cap)	Input voltage range: 0～10V (input impedance: 102KΩ) Resolution: 1/1000 Input current range: 0～20mA (input impedance: 255Ω) Resolution: 1/1000
	AI2	Analog input AI2	Receives analog voltage input	
Analog Output	AO1	Analog output	Provides analog voltage output, which can correspond to 12 physical quantities (see F5.25 for details)	Voltage output range: 0~10V
	AO2	Analog output	Provides analog voltage output, and current output (AO2 terminal can be realized by jump cap) can correspond to 12 physical quantities (see F5.26 for details)	Voltage output range: 0~10V Current output range: 0~20mA
Multifunctional input terminal	DI1	Multifunctional input terminal 1	It can be programmed and defined as switch input terminal with multiple functions, see Chapter VI terminal function parameters (switch input and output) input terminal function introduction. (See F6.00-6.04 for details)	The forward and reverse functions can be configured for the terminal; DI5 can be used as a high-speed pulse input terminal, and the upper limit of the input frequency is 50KHZ.
	DI2	Multifunctional input terminal 2		
	DI3	Multifunctional input terminal 3		
	DI4	Multifunctional input terminal 4		
	DI5	Multifunctional input terminal 5		
Power supply	10V	+10V power supply	Provides +10V power supply for external	Maximum output current: 20mA.
	+24V	+24V power supply	Digital signal power supply	Maximum output current: 100mA.
	GND	Power supply common port	Power reference ground (including +10V and +24V)	It is the only ground system on the control board.
	PLC	Multifunctional input common port	Common port of DI1-DI5	Shot-circuited to 24V when leaving the factory.
	CME	Digital output common port	Common port of multifunctional DO1 and DO2.	Short-circuited to GND when leaving the factory.
Relay output terminal	TA TB TC	Programmable relay output	Usually, TA-TB is normally off, and TA-TC is normally on; during operating, TA-TB is normally on, and TA-TC is normally off.	Electric shock rating: NO: 5A 250VAC; NC: 3A 250VAC.

Product technicalspecifications

Item		Description
Input	Rated voltage/ Frequency	three-phase,380V-440Vac;50Hz/60Hz
	Allowed voltage range	Single /three phase 220V(-15%)～240v（+10%）Three phase 380v(-15%)～440v（+10%）; Voltage unbalance rate: < 3%;Frequency:±5%
Output	Rated voltage（V）	0～Input voltage
	Frequency	0Hz～650Hz
	Overload capacity	150% rated current for 60s
Main control function	Control mode	V/F mV/F mode
	Range of speed regulation	1：100
	starting torque	150% rated torque when 0.5Hz
	Speed control accuracy	≤±0.5% rated synchronous speed
	Frequency accuracy	Digital set :max. frequency×±0.01% ; Analog set：max.frequency×±0.2%
	Frequency resolution	Digital set :0.01Hz ;Analog set：max. frequency×0.1%
	Torque rise	Auto torque ascension,manual torque ascension 0.1%～30.0%
	V/F curve	Four ways:1 kind of user set V/F curve way、3 kinds of drop torque characteristic curve way(2.0 times power，1.7 times power，1.2 times power
	Acceleration/deceleration curve	One ways:line acceleration/deceleration four acceleration/deceleration time，with the unit of time（minute/second） optional ,max.time set 10 hours
	DC braking	DC braking start frequency:0.00Hz～60.00Hz;braking time:0.0～60.0s; braking current: 0.0～150.0%
	Jogging	Jog frequency range:0.10Hz～50.0Hz
	Multi-speed operating	It can be realized by interior-PLC or control terminal
	Built-in PID	Be convenient to make closed-loop control system
	Auto energy-saving running	According to load condition, V/F curve can be optimized automatically to get the aim of energy-saving running.
	Auto voltage adjustment(AVR)	when the voltage of network changes,the output voltage can be automatically kept constant
	Auto current limiting	During the operation, the current is automatically limited to prevent frequent flow to falut trip
Running function	Running command channel	Operation panel,control terminal and communication port , can be switched through many ways
	Frequency given channel	Digial given, analog voltage given,analog current given, pulse given, communication port given,can be switched through many ways
	Auxiliary frequency given channel	Realize flexible auxiliary frequency fine-turing and frequency combination operation
	Pulse output terminal	0～10kHz pulse square wave signal output,can realize output setting frequency and output frequency ect.
	Analog output terminal	2 ways analog output,0～10v、0～20mA to get output of physical quantity such as setting frequency and output frequency
Operating panel	LED display	It can display setting frequency,output frequency,output voltage,output current and so on
Environment	protection function	Phase-loss protection(optional),over current protection,over voltage protection, under voltage protection,over heat protection,over load etc.
	Service location	Indoor,not suffer from sun,dust,corrosive gas,oil fog,steam and so on
	Altitude	Less than 1000m (derating at higher than 1000m)
	Environment temperature	－10°C～＋40°C (Derating use in 40°C～50°C)
	Humidity	Less than 90%RH，no condensation
	Vibration	Less than 5.9m/s2(0.6g)
	Storage temperature	－40°C～＋60°C
Structure	Protection class	IP20
	Cooling way	Froced air cooling
	Installation Way	Wall-hanging, DIN-rail installation

Specification	W	W1	H	H1	D	D1	Mounting hole diameter (Φ)
GT20-4T0004G GT20-2S0004G GT20-4T0007G GT20-2S0007G GT20-4T0015G GT20-2S0015G GT20-4T0022G	80	68	150	138	136.5	133	5
GT20-4T0055G GT20-4T0040G GT20-2S0022G GT20-2T0022G	106	94	200	188	148.5	144.6	6

CV3100 Universal Vector frequency Inverter

Power Range

- CV3100 0.75-45kW/AC220V
- CV3100 0.75-850kW/AC380V

Product Characteristics

- Excellent performance

  Optimized space voltage vector control algorithm:150% starting torque output at 0.5Hz

- Abundant Functions and Flexible Configuration

  Built-in PID , Multi-speed(8 stages speed at most) ;Simple PLC

  High speed Impulse input and output function

  With built-in braking unit including and below 18.5kw, built-in standard MODBUS communication protocol.

  Optional double analog (AO) output,LCD keyboard display , LCD keyboard upload and download.

- Excellent adaptability

  All boards with “Comprehensive anti-corrosion paint” spraying protection to improve frequency inverter humidity-proof,dust-proof and Oil-proof capacity

  Rich protect functions satisfy different environment adaptability, such as over voltage, under voltage, input phase-loss, overload, overheat, over current and etc.

Product Application

- Be applied to petrochemical industry, papermaking, plastics machines, ceramic machines,textile machines,printing and dyeing machines,packaging machines,cable-making machines,Mining machinery, petrochemical, Municipal project, water treatment, environment equipment, fans and pump and etc many kinds of industries.

The main technical specification

Item		Specifications
Input	Rated voltage andfrequency	Single-phase 220V, three-phase 220V, three-phase 380V; 50Hz/60Hz
	Grid range	Voltage: -20% ～ +20%
Output	Rated voltage	0～220V/0～380V
	Frequency range	0Hz～400Hz
Main control functio	Overload capability	M:150% for 1 min, 180% for 1s, 200% instant protection FP: 120% for 1 min, 150% for 1s, 180% instant protection
	Modulation mode	Space voltage vector PWM control ;
	Control mode	Sensorless vector control (SVC)
	Frequency accuracy	Digital setting: Max frequency ×±0. 01%,Analog setting: Max frequency ×±0. 2%
	Frequency resolution	Digital setting: 0.01Hz；Analog setting: Max frequency ×0.1%
	Starting Frequency	0.0Hz～10.00Hz
	Torque rise	Auto torque rise, manual torque rise 1%～30.0%(valid for V/F)
	V/F curve	Three ways：Linear V/F curve, square V/F curve, user self-defining V/F curve
	Acceleration/deceleration time	Optional time unit (Min/s), the longest: 3600s (settable in the range of 0.1～3600s).
	DC braking	Be optional during both starting and stopping, the operating frequency: 0～20Hz，operating time: settable within 0～30s
	Jogging	Jogging frequency range: 0.1Hz～50.00Hz,jogging acceleration and deceleration time: 0.1～3600s.
	Built-in PID	It is convenient for forming closed loop control system, applicable for course control like pressure and flow, etc.
	Multi-speed operating	Realize multi-speed running by built-in PLC or control terminal.
Sensorless vector control	Weaving wobble frequency	Can get wobble frequency of adjustable central frequency
	Auto voltage adjustment	When main voltage changes, the output voltage may be kept constant by adjusting PWM output (AVR function).
Running function	Auto energy-saving running	According to load condition, V/F curve can be optimized automatically to get the aim of energy-saving running.
	Auto current limiting	Limit in-service current automatically, so as to avoid tripping for fault caused by frequent over current.
	Torsion characteristic	150% output of torque at 1Hz, rev accuracy: 0.1%
	Motor parameters automatic read	Reading the parameters from motor when completely stop in order to achieve optimal controlling effect.
	Running command passage	Setting of operating manual; setting of control terminal; setting of serial port; switching by three ways.
	Frequency setting passage	Setting of keyboard analog potentiometer; setting of keyboard ▲, ▼ keys; setting of functional code digits; setting of serial port, setting of terminal UP/DOWN, setting of analog voltage, setting of analog current ; setting of impulse, setting of combination; switching at any time by kinds of setting ways.
	Switch input passage	Forward/reverse rotating command, 6-way programmable switching value input to set 30 functions.
	Analog input passage	2-way analog signal input, 0～20mA, 0～10V optional.
	Analog output passage	Analog signal output 0～10V 、 0~20mA to get output of physical quantity like frequency and output frequency
	Switch output passage	3-way programmable open collector output; 1-way relay output signal; can output different physical quantities.
Operating panel	LED display	Display setting frequency, output voltage, and output current and so on.
Environment	Display external instrument	Display output frequency, output current, and output voltage and so on.
Operating panel		Over current protection, over voltage protection, under voltage protection, over heat protection, over load protection.
Environment		Braking unit, remote operating panel, remote cable, soleplate of keyboard.
	Service location	Indoors, not suffer from sun, dust, corrosive gas, oil fog, and steam and so on.
	Altitude	Shorter than 1000m (derating at higher than 1000m)
	Environment temperature	－10℃～＋40℃
	Humidity	Less than 90%RH，no condensation
	Vibration	Less than 5.9m/s2（0.6M）
Structure	Storage temperature	－20℃～＋60℃
	Protection class	IP20 (In service state or keyboard state.)
Installation Way	Cooling way	Air-blast cooling
		Wall-hanging,Cabinet

Overall dimension

Series	Power	Overall dimension(Unit:MM)			Installation dimension (Unit:MM)		Aperture	Remark
	KW	W	H	D	W1	H1	R	
CV3100	0.75–4	132	232	162	120	218	2.5	Wall–mounted
	5.5–7.5	162.5	270	188.5	147	254	3	
	11–18.5	249	352	229	200	334	4.5	
	22–30	320	506	289	200	482	4.5	
	37–45	342	561	292	200	529	5.5	
	55–75	394	669	315	200	645	6	
	93–110	573	776	298	400	748	5	
	132–160	575	956	333	400	928	5	
	185–200	625	1101	358	480	1073	5	
	220–280	700	1100	446.5	500	1070	8	
	160–200	563	1265	481				Cabinet installation
	220–280	700	1566	407				
	315–400	850	1974	470.5				
	500–630	950	1974	490.5				

Options

Small keyboard tray

Small keyboard+tray

Big keyboard

8PIN keyboard extended cable

Big keyboard extended cable (net cable)

MINI-S/L General Use Frequency Inverter

Power Range

- MINI-S 0.75KW—1.5KW/AC220V
- MINI-L 0.75KW—1.5KW/AC220V 0.75KW—2.2KW/AC380V

Product Feature

- Lead Control
  Built-in SVC vector control and V/F control model
  Performance excellent: 150% rated Torque output at 1HZ
- Compact Structure
  High efficiency heat dissipation design, small size,narrow the design space of distribution cabinet
  IPM intelligent power module integrated with the main circuit design
- Rich Functions
  Built-in PID, Multi-speed operation(8 stages speed operation),sample PLC
  Built-in brake unit and Standard MODBUS communication protocol
  High-speed pulse input and output function (MINI-S don't have pulse output)
  Wide voltage range designed to meet the domestic low-voltage special occasions
  Many Protection for over-current,over-voltage,over-load,over-heat, low-voltage,etc

Application

- Widely use for machines, textile industry, printing and dyeing,package,pharmacy,food, reflow and flow production line

MINI-S/L General Use Frequency Inverter

The main technical specification

Item		Standard
Input	Input Voltage	Single Phase 220V、Three Phase 380V；50Hz/60Hz
	Voltage Fluctuation	Voltage: -20% ～ +20％ Voltage unbalance rate：<3
Output	Rated Voltage	0～220V/0～380V
	Frequency Range	0Hz～400Hz
	Modulation Mode	Optimized spaced voltage vector PWM
Main Control Function	Control Model	Sensor-less vector control,V/F control
	Frequency Accuracy	Digital set：max frequency×±0. 01%;Analog set:max frequency×±0.2%
	FrequencyResolution	Digital set：0.01Hz; Analog set:max frequency×0.1%
	Torque Rise	Auto torque rise; Manual torque rise 1%～30.0%(V/F model)
	V/F Curve	Linear V/F curve、Square V/F curve、Customized V/F curve
	Built-in PID	Convenient to form close-loop control system,apply to pressure and flow control
	Multi-speed Operation	Realize 8 stages speed operation by built-in PLC or terminal combination
	Torque Feature	150% output of torque at 1HZ,Speed stabilization accuracy 0.1%
Sensor-less Vector	Motor ParametersAuto reading	Automatic read the motor parameters when the motor is perfectly still , to obtain the best control effect.
	Running Command	Operation panel given；Control terminal given；Serial port given；3 ways can switch
Operation Function	Frequency Setting	Keyboard potentiometer setting▲▼；digital setting；Serial port setting；Terminal UP/DOWN,Analog signal setting,Combination given
	Switch Input	Forward/reverse command,6-way programmable switching value input to set30 functions
	Analog Input	2-way analog signal input，0～20mA、0～10V optional
	Analog Output	1-way analog output 0～10V、0～20mA optional
	Switching Output	3-way programmable open collector output；1-way relay out output signal
Operate Panel	LED Digital Display	Display output frequency、output voltage、output current and so on
Protection Function	Over-current protection,Over-voltage protection,Low-voltage protection Over-load prtection,Over-heat protection	

Overall dimension

Series	Power	Overall dimension(Unit:MM)			Installation dimension (Unit:MM)		Aperture	Remark
	KW	W	H	D	W1	H1	R	
MINI-S(220V)	0.75-1.5	85	155	122	74	144	2.5	
MINI-L(220V)	0.75-1.5	98	175	152	89	166	2.5	
MINI-L(380V)	0.75-2.2							

Marketing Network

Easydrive marketing network is complete which set up more than 20 marketing offices around the country, and the products are exported to more than 50 countries and regions. There are stock in central city.Products are widely used in machine tools, wire and cable, plastics, printing, packaging, textiles, electronics, building materials, metallurgy, coal, municipal and others applications.

Municipal Affairs




CNC




Textile Printing & Dyeing







Papermaking


Fan & Pump




Plastic Machinery


Construction & Stone


Packaging Machinery


Mining Machinery


Petrochemical Industry


Medical Equipment

Carving Machine

Metallurgy

Washing Machine

HVAC

Air Compressor

Notes

Notes