Mini type VFD of CV20 series

Thank you for using CV20 series Variable Frequency Drive made by Kinco Automation.

CV20 satisfies the high performance requirements by using a unique control method to achieve high torque, high accuracy and wide speed-adjusting range. Its anti-tripping function and capabilities of adapting to severe power network, temperature, humidity and dusty environment exceed those of similar product made by other companies, which improves the product's reliability noticeably; Without PG connector, strong speed control, flexible input/output terminal, pulse frequency setting, saving parameters at power outage and stop, frequency setting channel, master and slave frequency control and so on, all these satisfy various of high accuracy and complex drive command, at the same time we provide the OEM customer high integration total solution, it values highly in system cost saving and improving the system reliability.

CV20 can satisfy the customers' requirements on low noise and EMI by using optimized PWM technology and EMC design.

This manual provides information on installation, wiring, parameters setting, trouble-shooting, and daily maintenance. To ensure the correct installation and operation of CV20, please read this manual carefully before starting the drive and keep it in a proper place and to the right person.

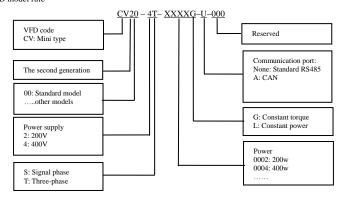
Unpacking Inspection Note

Upon unpacking, please check for:

- Any damage occurred during transportation;
- Check whether the rated values on the nameplate of the drive are in accordance with your order. Our product is manufactured and packed at factory with great care. If there is any error, please contact us or distributors.

The user manual is subject to change without notifying the customers due to the continuous process of product improvements

VFD model rule



Production introduction:

General specifications

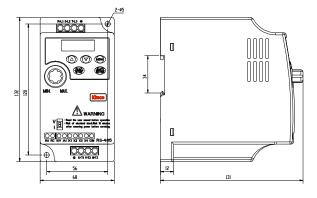
Item		Description			
	Rated voltage and	4T:3-phase,380V~440V AC; 50Hz/60Hz			
Input	frequency	2S:Single-phase,200V~240V;50Hz/60Hz			
Input 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Allowable voltage	4T: 320V~460V AC;2S:180V~260V;			
	range	Voltage tolerance < 3%; Frequency: ±5%			
	Rated voltage	0~Rated input voltage			
	Frequency	0Hz~300Hz			
Output		G type: 150% rated current for 1 minute, 180% rated current			
	Overload capacity	for 10 seconds;			
	Overload capacity	L type: 110% rated current for 1 minute, 150% rated current			
	for 1 second Control mode V/F control	for 1 second			
	Control mode	V/F control			
	Modulation mode	Space vector PWM modulation			
	Starting torque	1 Hz 150%rated torque			
	Frequency accuracy	Digital setting: Max frequency ×±0.01%;			
	requercy accuracy	Analog setting: Max. frequency ×±0.2%			
Control	Frequency resolution	Digital setting: 0.01Hz;			
Characteristics	riequency resolution	Analog setting: Max frequency ×0.05%			
Characteristics	Torque boost	Manual torque boost :0%~30.0%			
		4 patterns: 1 V/F curve mode set by user and			
	V/F pattern	3 kinds of torque-derating modes (2.0 order, 1.7 order, and 1.2			
		order)			
	Acc/Dec curve	Linear acceleration/deceleration,			
	Acc/Dec curve	Four kinds of acceleration/deceleration time			

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	Auto current limit	Limit current during the operation automatically
	ruto current mint	to prevent frequent overcurrent trip
	Operation Command	Operation Panel, Terminal, Communication Control,
	Operation Command	Support switching between these control channesl.
Operation	Frequency Setting	Digital, Analog Voltage/current setting.
Function	Auxiliary frequency	Support main and auxiliary setting("+","-", "min", "max")
	Analog ouput	1 analog output, 0/4~20mA or 0~10v output optional. Support
	Analog ouput	Outputting setting frequency ,output frequency and ect.
	LED Display	Display setting frequency, output frequency, output voltage,
Operation	LLD Display	output current and so on, about 20 parameters.
panel	Parameters copy	Copy parameters by operation panel.
paner	Keys lock and	Lock part of keys or all the keys.
	function selection	Define the function of part of keys
		Open phase protection (optional), overcurrent protection,
Protection func	tion	overvoltage protection, under-voltage protection, overheat
		protection, over-load protection and so on.
	Operating site	Indoor, installed in the environment free from directsunlight,
	operating site	dust, corrosive gas, combustible gas, oil mist, steam and drip.
	Altitude	Derated above 1000m, the rated output current
	rintade	shall be decreased by 10% for every rise of 1000m
Environment	Ambient temperature	-10 °C ~40 °C, derated at 40 °C ~ 50 °C
	Humidity	5%~95%RH, non-condensing
	Vibration	Less than 5.9m/s2 (0.6g)
	Storage temperature	-40°C∼+70°C
Structure	Protection class	IP20
Saucture	Cooling method	Air cooling, with fan control.
Installation met	hod	Wall-mounted
Efficiency		≥90%

Introduction of CV 20series:

Model of VFD	Rated capacity (kVA)	Rated input current (A)	Rated output current (A)	Motor power (kW)
CV20-2S-0004G	1.0	5.3	2.5	0.4
CV20-2S-0007G	1.5	8.2	4.0	0.75

External dimension:



CV20-2S-0004G~ CV20-4T-0007G Mechanical parameters

VFD model			Exte	ernal din	nension	and (mn	1)		
(G: Constant torque load; L: Draught fan and water pump load)	W	Н	D	W1	Н1	D1	T1	Installation hole(d)	Weight (kg)
CV20-2S-0004G CV20-2S-0007G	68	132	131	56	120	-	12	5	0.8

Operation Button Description

Button	Description
Δ	Increase the value or function
∇	Decrease the value or function
MENU	Enter or Exit the programming status
RUN/STOP	In panel operation mode, run the vfd by the first pressing; stop vfd by the second pressing. In VFD error status, reset the error by pressing
SHIFT / ENTER	Short pressing to shift data or function code. Hold pressing(more than 1s) to enter function code or save the changed value

Wiring:

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-Wiring can only be done after the drive's AC power is disconnected, all the LEDs on the operation panel are off and waiting for at least 5 minutes. Then, you can remove the panel.

-Wiring job can only be done after confirming the charge indicator on the right bottom is off and the voltage between main circuit power terminals + and - is below DC36V.

-Wire connections can only be done by trained and authorized person

-Check the wiring carefully before connecting emergency stop or safety circuits.

-Check the drive's voltage level before supplying power to it, otherwise human injuries or equipment damage may happen.



-Check whether the Variable Speed Drive's rated input voltage is in compliant with the AC supply voltage before using.

-Dielectric strength test of the drive has been done in factory, so you need not do it again.

-Refer to chapter 2 on connected braking resistor or braking kit.

-It is prohibited to connect the AC supply cables to the drive's terminals U, V and W.

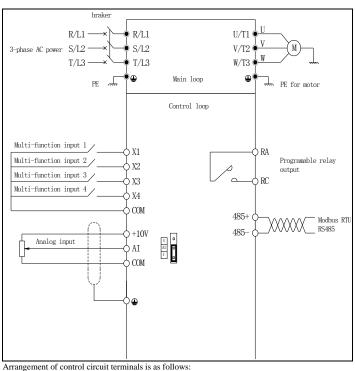
-Grounding cables should be copper cables with section area bigger than 3.5mm2, and the grounding resistance should be less than 10Ω .

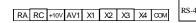
-There is leakage current inside the drive. The total leakage current is greater than 3.5mA, depending on the usage conditions. To ensure safety, both the drive and the motor should be grounded, and a leakage current protector (RCD) should be installed. It is recommended to choose B type RCD and set the leakage current at 300mA.

-The drive should be connected to the AC supply via a circuit breaker or fuse to provide convenience to nput over-current protection and maintenance.

Top of single-phase/3-phase R/L1 S/L2 T/L3 Bottom U/T1 V/T2 W/T3

Terminal name	Function description
R/L1、S/L2、T/L3	Single-phase 220V(R/L1, S/L2) or 3-phase 380VAC input terminal
U/T1、V/T2、W/T3	3-phase AC output terminal
PE	Shield PE terminal





It lists the possible faults of CV20. The fault code varies from E001 to E027. Once a fault occurs, you may check it against the table and record the detailed phenomena before seeking service from your

Faults and actions

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Fault code	Fault categories	Possible reasons for fault	Actions
		Acc time is too short	Prolong the Acc time
		Parameters of motor are wrong	Auto-tune the parameters of motor
E001	Over-current during acceleration	Coded disc breaks down, when PG is running	Check the coded disc and the connection
	acceleration	Drive power is too small	Select a higher power drive
		V/F curve is not suitable	Check and adjust V/F curve, adjust torque boost
		Deceleration time is too short	Prolong the Dec time
E002	Over-current during	The load generates energy or the load inertial is too big	Connect suitable braking kit
E002	deceleration	Coded disc breaks down, when PG is running	Check the coded disc and the connection
		Drive power is too small	Select a higher power drive
		Acceleration /Deceleration time is too short	Prolong Acceleration/ Deceleration time
	Over-current in	Sudden change of load or Abnormal load	Check the load
E003	constant speed	Low AC supply voltage	Check the AC supply voltage
	operation	Coded disc breaks down, when PG is running	Check the coded disc and the connection
		Drive power is too small	Select a higher power drive
E004	Over voltage	Abnormal AC supply voltage	Check the power supply
	during acceleration	Too short acceleration time	Prolong acceleration time
E005	Over voltage during	Too short Deceleration time (with reference to generated energy)	Prolong the deceleration time
	deceleration	The load generates energy or the load inertial is too big	Connect suitable braking kit
	Over voltage in	Wrong ASR parameters, when drive run in the vector control mode	Refer to A5. ASR parameter setting
Food	constant-speed operating	Acceleration /Deceleration time is too short	Prolong Acceleration/ Deceleration time
E006	process	Abnormal AC supply voltage	Check the power supply
		Abnormal change of input voltage	Install input reactor
		Too big load inertia	Connect suitable braking kit
E007	Drive's control power supply over voltage	Abnormal AC supply voltage	Check the AC supply voltage or seek service
E008	Input phase loss	Any of phase R, S and T cannot be detected	Check the wiring and installation Check the AC supply voltage
	1		

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Fault code	Fault categories	Possible reasons for fault	Actions
E009	Output phase loss	Any of Phase U, V and W cannot be detected	Check the drive's output wiring Check the cable and the
		Short-circuit among 3-phase output or line-to-ground short circuit	motor Rewiring, please make sure the insulation of motor is
		Instantaneous over-current	good Refer to E001~E003
		Vent is obstructed or fan does not work	Clean the vent or replace the fan
		Over-temperature	Lower the ambient temperature
E010	Protections of IGBT act	Wires or connectors of control board are loose	Check and rewiring
		Current waveform distorted due to output phase loss	Check the wiring
		Auxiliary power supply is damaged or IGBT driving voltage is too low	Seek service
		Short-circuit of IGBT bridge	Seek service
		Control board is abnormal	Seek service
	IGBT module's	Ambient over-temperature	Lower the ambient temperature
E011	heatsink	Vent is obstructed Fan does not work	Clean the vent
	overheat	IGBT module is abnormal	Replace the fan Seek service
	Rectifier's	Ambient over-temperature	Lower the ambient temperature
E012	heatsink	Vent is obstructed	Clean the vent
	overheat	Fan does not work	Replace the fan
		Parameters of motor are wrong	Auto-tune the parameters of motor
		Too heavy load	Select the drive with bigger power
E013	Drive overload	DC injection braking current is too big	Reduce the DC injection braking current and prolong the braking time
		Too short acceleration time	Prolong acceleration time
		Low AC supply voltage	Check the AC supply voltage
		Improper V/F curve	Adjust V/F curve or torque boost value
		Improper motor's overload protection threshold	Modify the motor's overload protection threshold.
		Motor is locked or load suddenly become too big	Check the load
E014	Motor over-load	Common motor has operated with heavy load at low speed for a long time.	Use a special motor if the motor is required to operate for a long time.
		Low AC supply voltage	Check the AC supply voltage
		Improper V/F curve	Set V/F curve and torque boost value correctly
E015	external equipment fails	Terminal used for stopping the drive in emergent status is closed	Disconnect the terminal if the external fault is cleared
E016	EEPROM R/W fault	R/W fault of control parameters	Press STOP/RST to reset, seek service
E017	Communicatio n timeout	The setting time is too shot	Set b3.02 to 0, it means do not detection
		Low AC supply voltage	Check the AC supply voltage
	Contactor not	Contactor damaged	Replace the contactor in main circuit and seek service
E018	closed	Soft start resistor is damaged	Replace the soft start resistor and seek service
		Control circuit is damaged	Seek service
		Input phase loss Wires or connectors of control board	Check the wiring of R, S, T.
	Current	are loose	Check and re-wire
E019	detection circuit	Auxiliary power supply is damaged	Seek service
	fails	Hall sensor is damaged Amplifying circuit is abnormal	Seek service Seek service
	System	Terrible interference	Press STOP/RST key to reset or add a power filter in front
E020	interference	DSP in control board read/write by	of power supply input Press STOP/RST key or
	Parameter	mistake Panel's parameters are not complete or	seek service. Update the panel's
E023	сору	the	parameters and version again.

Fault code	Fault categories	Possible reasons for fault	Actions
	error	version of the parameters are not the same as that of the main control board	First set b4.04 to 1 to upload the parameters and then set b4.04 to 2 or 3 to download the parameters.
		Panel's EEPROM is damaged	Seek service
		Improper settings of parameters on the nameplate	Set the parameters correctly according to the nameplate
		Prohibiting contra Auto-turning during rollback	Cancel prohibiting rollback
E024	Auto-tuning fault		Check the motor's wiring
	raun	Overtime of auto-tuning	Check the set value of A0.10(upper limiting frequency), make sure if it is lower than the rated frequency or not
E026	The load of drive is lost	The load is lost or reduced	Check the situation of the load
E027	Brake unit fault	Brake tube is broken	Seek service

List of Parameters:

Functi on	Name	Descriptions	Unit	Factor y	M odi	Setting range
code				setting	f.	8
		Group A0: Basic operating pa		1 0		
A0.00	User password	0: No password protection. Others: Password protection.	1	0	0	0~FFFI
A0.01	Control mode	0:reserved 1: reserved 2: V/F control	1	0	×	0~2
A0.02	Main reference frequency selector	0: Digital setting in A0.03 1: AI 2: Reserved 3:Potentiometer	1	0	0	0~5
A0.03	Set the operating frequency in digital mode	A0.11~A0.10	0.01H	50.00	0	0~3000
A0.04	Methods of inputtingoperating commands	0: Panel control 1: Terminal control 2: Communication control	1	0	0	0~2
A0.05	Set running direction	0: Forward 1: Reverse	1	0	0	0~1
A0.06	Acc time 1	0.0~6000.0	0.1S	6.0s	0	0~6000
A0.07	Dec time 1	0.0~6000.0	0.1S	6.0s	0	0~6000
A0.08	Max. output frequency	50Hz~ 300.00Hz	0.01H z	50.00	×	0~3000
A0.09	Max. output voltage	0~480	1V	VFD's rated values	×	0~480
A0.10	Upper limit of frequency	A0.11~A0.08	0.01H z	50.00	0	0~3000
A0.11	Lower limit of frequency	0.00~A0.10	0.01H z	0.00	0	0~3000
A0.12	Basic operating frequency	0.00~300.00Hz	0.01H z	50.00	0	0~3000
A0.13	Torque boost	0.0% (Auto), 0.1%~30.0%	0.1%	0.0%	0	0~300
		Group A1: Start and stop pa	rameters			
A1.00	Starting mode	Start from the starting frequency Brake first and then start Reserved	1	0	×	0~2
A1.01	Starting frequency	0.00~60.00Hz	0.01H z	0.00H z	0	0~6000
A1.02	Holding time of starting frequency	0.00~10.00s	0.01s	0.00s	0	0~1000
A1.03	DC injection braking current at start	0.0%~100.0% drive's rated current	0.1%	0.0%	0	0~1000
A1.04	DC injection braking time at start	0.00 (No action) 0.01~30.00s	0.01s	0.00s	0	0~3000
A1.05	Stopping mode	0: Dec-to-stop 1: Coast-to-stop 2: Dec-to-stop+DC injection braking	1	0	×	0~2
A1.06	DC injection braking initial frequency at stop	0.00~60.00Hz	0.01H z	0.00H z	0	0~6000
A1.07	Injection braking waiting time at stop	0.00~10.00s	0.01s	0.00s	0	0~1000
A1.08	DC injection braking current at stop	0.0%~100.0% drive's rated current	0.1%	0.0%	0	0~1000
A1.09	DC injection	0.0 (No action)	0.01s	0.00s	0	0~3000

uncti on ode	Name	Descriptions	Unit	Factor y setting	M odi f.	Setting range
	braking time at stop	0.01~30.00s				
A1.10	Restart after	0:Disable	1	0	×	0~1
A1.11	power failure Delay time for	1:Enable 0.0~10.0s	0.1s	0.0s	0	0~100
	restart after power failure					
A1.12	Anti-reverse	0: Disabled	1	0	×	0~1
	running function	Enabled (It will operate at zero frequency when input a reverse command)				
A1.13	Delay time of run reverse/forward	0.00~360.00s	0.01s	0.00s	0	0~36000
A1.14	Switch mode of	0: Switch when pass 0Hz	1	0	×	0~1
	run reverse/forward (Reserved)	1: Switch when pass starting frequency				
A1.15	Detecting	0.00~150.00Hz	0.01H	0.10H	×	0~15000
	frequency of stop		Z	Z		
A1.16~	Reserved					
	1	Group A2: Frequency sett		1	1	1
A2.00	Auxiliary reference	0: No auxiliary reference frequency	1	0	0	0~5
	frequency	1: AI				
A2.01	selector Main and	5: Output by PID process 0: +	1	0	0	0~3
	auxiliary	1: -	-			
	reference frequency	2: MAX (Main reference, Auxiliary reference)				
	calculation	3: MIN (Main reference,				
A2.02	UP/DN rate	Auxiliary reference) 0.01~99.99Hz/s	0.01	1.00	0	1~9999
A2.03	UP/DN	Unit's place of LED:	1	00	0	0~11H
	regulating control	0: Save reference frequency upon power outage				
		1: Not save reference				
		frequency upon power outage. Ten's place of LED:				
		0: Hold reference frequency at				
		stop 1: Clear reference frequency at				
		stop				
		Hundred's place of LED: 0:UP/DN integral time valid				
A2.04	Iog consentin-	1:UP/DN speed value	0.0111	5.00		10 5000
	Jog operating frequency	0.10~50.00Hz	0.01H z	5.00	0	10~5000
A2.05	Interval of Jog operation	0.0~100.0s	0.1s	0.0	0	0~1000
A2.06	Skip frequency 1	0.00~300.00Hz	0.01H z	0.00	×	0~30000
A2.07	Range of skip frequency 1	0.00~30.00Hz	0.01H z	0.00	×	0~3000
A2.08	Skip frequency 2	0.00~300.00Hz	0.01H z	0.00	×	0~30000
A2.09	Range of skip frequency	0.00~30.00Hz	0.01H z	0.00	×	0~3000
A2.10	Skip frequency 3	0.00~300.00Hz	0.01H z	0.00	×	0~30000
A2.11	Range of skip frequency 3	0.00~30.00Hz	0.01H z	0.00	×	0~3000
A3.00	Reference	Group A3:Setting curve LED unit's place: AI curve	1	3330	0	0~3333H
10.00	frequency	selection	1	3330		0-2333H
	curve selection	0: Curve 1 1: Curve 2				
		2: Curve 3				
A3.01	Max reference	3: Curve 4 A3.03~110.00%	0.01%	100.00	0	0~11000
	of curve 1			%		
A3.02	Actual value corresponding	Reference frequency: 0.0~100.00%Fmax	0.01%	100.00	0	0~10000
	to the Max	Torque: 0.0~300.00% Te				
	reference of curve 1					
A3.03	Min reference	0.0%~A3.01	0.01%	0.00%	0	0~11000
A3.04	of curve 1 Actual value	The same as A3.02	0.01%	0.00%	0	0~10000
. 12.04	corresponding	The Same as AU.02	0.0170	0.0070		0-10000
	to the Min reference of					
	curve 1					
	Max reference	A3.07~110.00%	0.01%	100.00	0	0~11000
A3.05	of curve 2	•	1		1	0.10000
A3.05 A3.06	of curve 2 Actual value	The same as A3.02	0.01%	100.00	0	0~10000
		The same as A3.02	0.01%	100.00	0	0~10000

on code	Name	Descriptions	Unit	Factor y setting	M odi f.	Setting range
A3.07	curve 2 Min reference	0.0%~A3.05	0.01%	0.00%	0	0~11000
12.00	of curve 2 Actual value	TI 12.02	0.010/	0.000/		0.10000
A3.08	Actual value corresponding to the Min reference of curve 2	The same as A3.02	0.01%	0.00%	0	0~10000
A3.09	Max reference of curve 3	A3.11~110.00%	0.01%	100.00	0	0~11000
A3.10	Actual value corresponding to the Max reference of curve 3	The same as A3.02	0.01%	100.00	0	0~10000
A3.11	Min reference of curve 3	0.0%~A3.09	0.01%	0.00%	0	0~11000
A3.12	Actual value corresponding to the Min reference of curve 3	The same as A3.02	0.01%	0.00%	0	0~10000
A3.13	Max reference of curve 4	A3.15~110.00%	0.01%	100.00	0	0~11000
A3.14	Actual value corresponding to the Max reference of curve 4	The same as A3.02	0.01%	100.00	0	0~10000
A3.15	Reference of inflection point 2 of curve 4	A3.17~A3.13	0.01%	100.00	0	0~11000
A3.16	Actual value corresponding to the Min reference of inflection point 2 of curve 4	The same as A3.02	0.01%	100.00 %	0	0~10000
A3.17	Reference of inflection point 1 of curve 4	A3.19~A3.15	0.01%	0.00%	0	0~11000
A3.18	Actual value corresponding to the Min reference of inflection point 1 of curve 4	The same as A3.02	0.01%	0.00%	0	0~10000
A3.19	Min reference of curve 4	0.0%~A3.17	0.01%	0.00%	0	0~11000
A3.20	Actual value corresponding to the Min reference of curve 4	The same as A3.02	0.01%	0.00%	0	0~10000
A4.00	Acc/Dec mode	Group A4: Acc/Dec para 0: Linear Acc/Dec	meters	0	l ,,	0~1
		1: S Curve	1	U	×	0~1
A4.01	Acc time 2	0.0~6000.0	0.18	20.0S	0	0~60000
A4.02 A4.03	Dec time 2 Acc time 3	0.0~6000.0 0.0~6000.0	0.1S 0.1S	20.0S 20.0S	0	0~60000 0~60000
A4.04	Dec time 3	0.0~6000.0	0.1S	20.0S	0	0~60000
A4.05						
	Acc time 4	0.0~6000.0		20.0S	0	0~60000
A4.06	Acc time 4 Dec time 4	0.0~6000.0 0.0~6000.0	0.1S	20.0S 20.0S	0	0~60000 0~60000
	Dec time 4 S curve acceleration	0.0~6000.0 0.0~6000.0 10.0%~50.0%(Acc time) A4.07+ A4.08≤90%		20.0S 20.0S 20.0%	_	
A4.06	Dec time 4 S curve	0.0~6000.0 10.0%~50.0%(Acc time)	0.1S 0.1S	20.0S	0	0~60000
A4.06 A4.07	Dec time 4 S curve acceleration starting time S curve acceleration	0.0~6000.0 10.0%~50.0% (Acc time) A4.07+ A4.08≤90% 10.0%~70.0% (Acc time)	0.1S 0.1S 0.1%	20.0S 20.0%	0	0~60000 100~500
A4.06 A4.07 A4.08 A4.09	Dec time 4 S curve acceleration starting time S curve acceleration ending time S curve deceleration starting time S curve deceleration ending time number of the curve deceleration ending time	0.0~6000.0 10.0%~50.0%(Acc time) A4.07+ A4.08≤90% 10.0%~70.0%(Acc time) A4.07+ A4.08≤90% 10.0%~50.0%(Dec time) A4.09+ A4.10≤90% 10.0%~70.0%(Dec time) A4.09+ A4.10≤90%	0.1S 0.1S 0.19 0.196 0.196	20.0S 20.0% 20.0% 20.0%	0 0	0~60000 100~500 100~800 100~500 100~800
A4.06 A4.07 A4.08 A4.09	Dec time 4 S curve acceleration starting time S curve acceleration ending time S curve deceleration starting time S curve deceleration	0.0~6000.0 10.0%~50.0%(Acc time) A4.07+ A4.08≤90% 10.0%~70.0%(Acc time) A4.07+ A4.08≤90% 10.0%~50.0%(Dec time) A4.09+ A4.10≤90% 10.0%~70.0%(Dec time) A4.09+ A4.10≤90% 0: Disable 1: Quick start,normal stop 2: Normal start,quick stop 3: Quick start,quick stop	0.1S 0.1S 0.1S 0.1% 0.1% 0.1%	20.0S 20.0% 20.0% 20.0% 20.0%	0 0	0~60000 100~500 100~800 100~500
A4.06 A4.07 A4.08 A4.09	Dec time 4 S curve acceleration starting time S curve acceleration ending time S curve deceleration starting time S curve deceleration starting time S curve deceleration ending time Quick start-stop	0.0~6000.0 10.0%~50.0% (Acc time) A4.07+ A4.08≤90% 10.0%~70.0% (Acc time) A4.07+ A4.08≤90% 10.0%~50.0% (Dec time) A4.09+ A4.10≤90% 10.0%~70.0% (Dec time) A4.09+ A4.10≤90% 0: Disable 1: Quick start,normal stop 2: Normal start,quick stop	0.1S 0.1S 0.19 0.196 0.196	20.0S 20.0% 20.0% 20.0%	0 0	0~60000 100~500 100~800 100~500 100~800
A4.06 A4.07 A4.08 A4.09 A4.10 A4.11 A4.12 A4.13	Dec time 4 S curve acceleration starting time S curve acceleration ending time S curve deceleration starting time S curve deceleration ending time S curve deceleration ending time Quick start-stop selctor Start ACR-P Start ACR-I	0.0~6000.0 10.0%~50.0% (Acc time) A4.07+ A4.08≤90% 10.0%~70.0% (Acc time) A4.07+ A4.08≤90% 10.0%~50.0% (Dec time) A4.09+ A4.10≤90% 10.0%~70.0% (Dec time) A4.09+ A4.10≤90% 0: Disable 1: Quick start,normal stop 2: Normal start,quick stop 3: Quick start,quick stop 0.1~200.0 0.000~10.000S	0.1S 0.1S 0.1S 0.1% 0.1% 0.1%	20.0S 20.0% 20.0% 20.0% 20.0% 20.0% 20.0 20.0	0 0 0 0 0	0~60000 100~500 100~800 100~500 100~800 0~3
A4.06 A4.07 A4.08 A4.09 A4.10 A4.11	Dec time 4 S curve acceleration starting time S curve acceleration ending time S curve deceleration starting time S curve deceleration ending time Quick start-stop selctor	0.0~6000.0 10.0%~50.0%(Acc time) A4.07+ A4.08≤90% 10.0%~70.0%(Acc time) A4.07+ A4.08≤90% 10.0%~50.0%(Dec time) A4.09+ A4.10≤90% 10.0%~70.0%(Dec time) A4.09+ A4.10≤90% 0: Disable 1: Quick start,normal stop 2: Normal start,quick stop 3: Quick start,quick stop 0.1~200.0	0.1S 0.1S 0.1S 0.1% 0.1% 0.1%	20.0S 20.0% 20.0% 20.0% 20.0% 20.0%	0 0 0	0~60000 100~500 100~800 100~500 100~800 0~3
A4.06 A4.07 A4.08 A4.09 A4.10 A4.11 A4.12 A4.13 A4.14 A4.15	Dec time 4 S curve acceleration starting time S curve acceleration ending time S curve deceleration starting time S curve deceleration ending time S curve deceleration ending time Quick start-stop selctor Start ACR-P Start ACR-I Start AVR-P Start AVR-P	0.0~6000.0 10.0%~50.0% (Acc time) A4.07+ A4.08≤90% 10.0%~70.0% (Acc time) A4.07+ A4.08≤90% 10.0%~50.0% (Dec time) A4.09+ A4.10≤90% 10.0%~70.0% (Dec time) A4.09+ A4.10≤90% 0: Disable 1: Quick start,normal stop 2: Normal start,quick stop 3: Quick start,quick stop 0.1~200.0 0.000~10.000S	0.1S 0.1S 0.1S 0.1% 0.1% 0.1% 0.1% 1 0.1 0.10 0.001 S 0.1	20.0S 20.0% 20.0% 20.0% 20.0% 20.0% 20.0 0.200s	0 0 0 0 0 0 0	0~60000 100~500 100~800 100~800 100~800 0~3 1~2000 0~10000 1~2000 0~10000
A4.06 A4.07 A4.08 A4.09 A4.10 A4.11 A4.12 A4.13 A4.14 A4.15 A4.16 A4.17	Dec time 4 S curve acceleration starting time S curve acceleration ending time S curve deceleration starting time S curve deceleration ending time Quick start-stop selctor Start ACR-P Start ACR-I Start AVR-I Stop ACR-P Stop ACR-I	0.0~6000.0 10.0%~50.0% (Acc time) A4.07+ A4.08≤90% 10.0%~70.0% (Acc time) A4.07+ A4.08≤90% 10.0%~50.0% (Dec time) A4.09+ A4.10≤90% 10.0%~70.0% (Dec time) A4.09+ A4.10≤90% 0: Disable 1: Quick start,normal stop 2: Normal start,quick stop 3: Quick start,quick stop 0.1~200.0 0.000~10.000S 0.1~200.0 0.000~10.000S	0.1S 0.1S 0.1S 0.1% 0.1% 0.1% 0.1% 1 0.1001 S 0.1 0.001 S 0.1 0.001 S	20.0S 20.0% 20.0% 20.0% 20.0% 20.00 20.0 20.0	0 0 0 0 0 0 0	0~60000 100~500 100~800 100~500 100~800 0~3 1~2000 0~10000 1~2000 0~10000 1~2000 0~10000
A4.06 A4.07 A4.08 A4.09 A4.10 A4.11 A4.12 A4.13 A4.14 A4.15	Dec time 4 S curve acceleration starting time S curve acceleration ending time S curve deceleration starting time S curve deceleration ending time S curve deceleration ending time Quick start-stop selctor Start ACR-P Start ACR-I Start AVR-I Stop ACR-P	0.0~6000.0 10.0%~50.0% (Acc time) A4.07+ A4.08≤90% 10.0%~70.0% (Acc time) A4.07+ A4.08≤90% 10.0%~50.0% (Dec time) A4.09+ A4.10≤90% 10.0%~70.0% (Dec time) A4.09+ A4.10≤90% 0: Disable 1: Quick start,normal stop 2: Normal start,quick stop 3: Quick start,quick stop 0.1~200.0 0.00~10.000S 0.1~200.0 0.000~10.000S	0.1S 0.1S 0.1S 0.1% 0.1% 0.1% 0.1% 1 0.1 0.001 S 0.1 0.001 S 0.1	20.0S 20.0% 20.0% 20.0% 20.0% 20.00 20.0 20.0	0 0 0 0 0 0 0 0	0~60000 100~500 100~800 100~500 100~800 0~3 1~2000 0~10000 1~2000 1~2000

9 10 11

Functi on code	Name	Descriptions	Unit	Factor y setting	M odi f.	Setting range	Functi on code	Name	Descriptions	Unit	Factor y setting	OG1	Setting range	Functi on code	Name	Descriptions	Unit	Factor y setting	M Setting range	Functi on code	Name	Descriptions	Unit	Factor y setting	M odi f.	Setting range
A4.20	Over_Commtat ation Stop	0: disable 1:enable	1	0	х	0~1			(FDT1) 3: frequency detection							EEPROMfault masking selection				b1.02	value F3 V/F voltage	B1.04~100.0%	z 0.1%	z 0.0%	×	0~1000
A4.21 A4.22	Comm ACR-P Comm ACR-I	0~65535 0~65535	1	100	0	0~65535 0~65535			threshold (FDT2) 4: overload signal(OL)							Thousand's place of LED: Reserved 0:Disable.Stop when fault				b1.03	value V3 V/F frequency	B1.05 ~B1.01	0.01H	0.00H	×	0~30000
A4.23 A4.24	Output V ratio Output I ratio	0~65535 0~65535	1	1030 1000	0	0~65535 0~65535			5: low voltage signal(LU)							happen 1:Disable.Continue operating				b1.04	value F2 V/F voltage	B1.06~B1.02	0.1%	0.0%	×	0~1000
		Group A5: reserved Group A6: Control terminals							6: external fault signal(EXT) 7: frequency high limit(FHL)							when fault happen 2:Enable				b1.05	value V2 V/F frequency	0.00~B1.03	0.01H	0.00H	×	0~30000
A6.00~ A6.03	Multi-function terminal	0: No function1: Forward 2: Reverse	1	0	×	0~54			8: frequency low limit(FLL) 9: zero-speed running					A8.02	Fault masking	Unit's place of LED:	1	00	× 0~22H	b1.06	value F1 V/F voltage	0~B1.04	z 0.1%	z 0.0%	×	0~1000
	X1~X4	Forward jog operation Reverse jog operation							10: Reserved 11: Reserved						selection 2	Open phase fault masking selection for input				b1.07	value V1 Cut-off point	0.0%~50.0%(Corresponding	0.1%	10.0%	0	0~500
		5: 3-wire operation control 6: External RESET signal							12: PLC running step complete signal							Ten's place of LED: Open phase fault masking					used for manual torque boost	to A0.12)				
		input 7: External fault signal input							13: PLC running cycle complete signal					A8.03	Motor overload	selection for output 0: Disabled	1	1	× 0~2	b1.08	AVR function	0: Disable 1: Enable all the time	1	2	×	0~2
		8: External interrupt signal input							14: Swing limit 15: Drive ready (RDY)						protection mode	1:Common mode (with low speed compensation)				b1.09	VF Output	2: Disabled in Dec process 0: no function	1	0	×	0~3
		9: Drive operation prohibit 10: External stop command							16: Drive fault 17: Switching signal of host						selection	2: Variable frequency motor (without low speed					voltage selection	1: AI				
		11: DC injection braking command							19: Torque limiting 20: Drive running					A8.04	Auto reset	compensation) 0: No function	1	0	× 0~100	b1.10	VF Output voltage offset	0: no function 1: AI	1	0	×	0~3
		12: Coast to stop 13: Frequency ramp up (UP)							forward/reverse 21: Timer 1 reach						times	1~100: Auto reset times Note: The IGBT protection					selection	Group b2:Enhanced param	eters			
		14: Frequency ramp down (DN)							22: Timer 2 reach 23: Preset counter reach							(E010) and external equipment fault (E015) cannot be reset				b2.00	Carrier wave frequency	2.0~60KHz	0.1	6.0	0	20~150
		15: Switch to panel control 16: Switch to terminal control						_	24: Intermediate counter reach Others: Reserved					A8.05	Reset interval	automatically. 2.0~20.0s/time	0.1s	5.0s	× 20~200	b2.01	Auto adjusting of CWF	0: Disable 1: Enable	1	1	0	0~1
		17: Switch to communication control mode					A6.18	Output terminal's	Binary setting: 0: Terminal is enabled if it is	1	0	0	0~1FH	A8.06	Fault locking function	0:Disable. 1: Enable.	1	0	× 0~1	b2.02	Voltage adjustment	Unit's place of LED: Over-voltage at stall Selection	1	001	×	0~111H
		18: Main reference frequency via AI						positive and negative logic	connected to correspond common terminal,						selection.	Group b0:Motor parame	ters				selection	0: Disable(When install brake resistor)				
		27: Preset frequency 1 28: Preset frequency 2							and disabled if it is disconnected.					b0.00 b0.01	Rated power Rated voltage	0.4~999.9KW 0~ rated voltage of drive	0.1	0	× 4~9999 × 0~999			1: Enable Ten's place of LED:				
		29: Preset frequency 3 30: Preset frequency 4							1: Terminal is disabled if it is connected to					b0.02	Rated current	0.1~999.9A	0.1A	Depen d	× 1~9999			Not stop when instantaneous stop function selection				
		31: Acc/Dec time 1 32: Acc/Dec time 2							corresponding common terminal, and									on drive's				0: Disable 1: Enable(Low voltage				
		33: Multiple close-loop reference selection 1							enable if it is disconnected. Unit's place of LED:					b0.03	Rated	1.00~1000.00Hz	0.01H	model Depen	× 100~300			compensation) Hundred's place of LED:				
		34: Multiple close-loop reference selection 2							BIT2: R1 Ten's place of LED:						frequency		Z	d	00			Overmodulation selection 0: Disable1: Enable				
		35: Multiple close-loop reference selection 3					A6.19	Frequency	Reserved 0.00~300.00Hz	0.01H	2.50H	0	0~30000					drive's model		b2.03	Overvoltage point at stall	120.0%~150.0% Udce	0.1%	140.0		1200~15 00
		36: Multiple close-loop reference selection 4						arriving signal (FAR)		Z	Z			b0.04	Number of polarities of	2~24	1	4	× 2~24	b2.04	Droop control	0: Disable, 0.01~10.00Hz	0.01	0.00H		0~1000
		37: Forward prohibit 38: Reverse prohibit					A6.20	FDT1 level	0.00~300.00Hz	0.01H z	50.00 Hz		0~30000	b0.05	motor Rated speed	0~60000RPM	1RPM	1440R	× 0~60000	b2.05	Auto current	20.0%~200.0%Ie	0.1%	150.0	×	200~200
		39: Acc/Dec prohibit40: Process close-loop prohibit	;				A6.21	FDT1 lag	0.00~300.00Hz	0.01H z	1.00H z		0~30000	b0.06	Resistance of	0.00%~50.00%	0.01%	PM Depen	× 0~5000	12.06	limiting threshold	0.00.00.0011	0.0111	,,,		0 0000
		42: Main frequency switch to digital setting					A6.22	FDT2 level	0.00~300.00Hz	0.01H z	25.00 Hz		0~30000	50.00	stator %R1	0.00% 50.00%	0.0170	d on	X 0 3000	b2.06	Frequency	0.00~99.99Hz/s	0.01H z/S	10.00 Hz/s	0	0~9999
		43: PLC pause 44: PLC prohibit					A6.23	FDT2 lag	0.00~300.00Hz	0.01H z	1.00H z		0~30000					drive's model		b2.07	rate when current limiting	0:Invalid at constant speed	1	1	×	0~1
		45: PLC stop memory clear 46: Swing input					A6.24	Virtual terminal setting	Binary setting 0: Disable	1	00	0	0~FFH	b0.07	Leakage inductance %Xl	0.00%~50.00%	0.01%	Depen	× 0~5000	62.07	Auto current limiting selection	1:Valid at constant speed Note: It is valid all the time at	1	1	×	0~1
		47: Swing reset 48~49:Reserved							1: Enable Unit's place of LED:						madetance 70721			on drive's		12.00		Acc/Dec	0.10/	100.0		0. 2000
		50: Timer 1 start 51: Timer 2 start							BIT0~BIT3: X1~X4 Ten's place of LED:					b0.08	Resistance of	0.00%~50.00%	0.01%	model Depen	× 0~5000	b2.08	Gain of Slip compensation	0.0~300.0%	0.1%	100.0		0~3000
		53: Counter input 54: Counter clear					A6.28~	reserved	Reserved					80.00	rotor %R2	0.00% 50.00%	0.0170	d on	X 0 3000	b2.09	Slip compensation	0.0~250.0%	0.1%	200.0 %	0	0~2500
A6.04	reserved	Others: Reserved					A6.43 A6.44	Setting value of	0.0~10.0s	0.1s	0.0	0	1~100		70112			drive's model		b2.10	limit Slip	0.1~25.0s	0.1s	2.0s	0	0~250
A6.05 A6.08	Terminal filter	0~500ms	1	10	0	0~500	A6.45	timer 1 Setting value of	0~100s	1s	0	0	1~100	b0.09	Exciting inductance %X	0.0%~2000.0%	0.1%	Depen	× 0~20000	10.11	compensation time constant					0.4
A6.09	Terminal control mode	0:2-wire operating mode 1 1:2-wire operating mode 2	1	0	×	0~3	A6.46	timer 2 Target value of	0~65535	1	100	0	0~65535		m			on drive's		b2.11	auto energy-saving	0: Disable 1: Enable	1	0	×	0~1
	selection	2:3-wire operating mode 1 3:3-wire operation mode 2					A6.47	counter Intermediate	0~65535	1	50	0	0~65535	b0.10	Current without	0.1~999.9A	0.1A	model Depen	× 1~9999	b2.12	function Frequency	0.00~99.99Hz/s	0.01H	10.00	0	0~9999
A6.10 A6.11	reserved							value of counter							load IO			d on			decrease rate at voltage		z/S	Hz/s		
A6.12 A6.13	Input terminal's	Binary setting	1	00	0	0~FFH	A8.00	Protective	Group A8: Fault parame Unit's place of LED:	ters 1	0000	×	0~1111H					drive's model		10.10	compensation	0.00.200.001	0.0177	0.50**		0. 20000
	positive and negative logic	0: Positive logic: Terminal Xi is enabled if it is connected to						action of relay	Action selection for under-voltage fault indication.					b0.11	Auto-tuning	0: Auto-tuning is disabled 1: Stationary auto-tuning (Start	1	0	× 0~3	b2.13	Zero-frequency operation	0.00~300.00Hz	0.01H z	0.50H z	0	0~30000
		corresponding common terminal, and disabled if it is							0:Disable1: Enable Ten's place of LED:							auto-tuning to a standstill motor)				b2.14	Zero-frequency	0.00~300.00Hz	0.01H	0.00H	0	0~30000
		disconnected. 1: Negative logic: Terminal Xi							Action selection for auto reset interval fault indication.					b0.12	Motor's	2: Rotating auto-tuning 20.0%~110.0%	0.1%	100.0	× 200~110		Hysteresis (Reserved)		Z	Z		
		is disabled if it is connected to corresponding common							0:Disable1: Enable Hundred's place of LED:					00.12	overload protection	20.0% 110.0%	0.170	%	0	b2.15	Fan control	O: Auto operation mode Fan operate continuously	1	0	×	0~1
		terminal, and enabled is it is disconnected.							Selection for fault locked function.					b0.13	coefficient Oscillation	0~255	1	10	0~255			when power is on Note: 1.Continue to operate				
		Unit's place of LED:BIT0~BIT3: X1~X4							0:Disable1: Enable Thousand's place of LED:					50.15	inhibition coefficient	0 200	1	10	0-233			for 3 minutes Group b3:Communication pa	rameter		<u> </u>	
A6.14 A6.15	reserved		1	0	×	0~50	A8.01	Fault masking	Reserved Unit's place of LED:	1	2000	×	0~2222H	b1.00	V/F curve	Group b1:V/F paramete 0: V/F curve is defined by user	ers	1 0	× 0~3	b3.00	Communication configuration	Unit's place of LED: Baud rate selection	1	001	×	0~155H
A6.16	Output functions of	0: Running signal(RUN) 1: frequency arriving	1	15	×	0~50		selection 1	Communication fault masking selection					01.00	setting	1: 2-order curve 2: 1.7-order curve	1		^ 0~3			0: 4800BPS 1: 9600BPS				
	relay R1	signal(FAR) 2: frequency detection							Ten's place of LED: Relay faultmasking selection					b1.01	V/F frequency	2: 1.7-order curve 3: 1.2-order curve B1.03~A0.08	0.0111	0.00H	× 0~30000			2: 19200BPS Ten's place of LED:				
L		threshold							Hundred's place of LED:					01.01	v/1 Hequency	D1.03~A0.00	0.01H	0.00H				Data format	<u> </u>			

13 14 15 16

Birth File	Na	Vame	Descriptions	Unit	Factor y setting	M odi f.	Setting range	Functi on code	Name	Descriptions	Unit	Factor y setting	M odi f.	Setting range
Accordance			1:1-8-1-E format,RTU 2:1-8-1-O format, RTU Hundred's place of LED: wiring mode 0:Direct connection via cable (RS232/485)		setting	1.		Code		BIT1:Speed(R/MIN)(No display at feedback mode) BIT2:Setting speed(R/MIN) (Flicking, no display at feedback mode) Note: If all the BITs are 0,the		setting	1.	
Second	Lo	ocal address	0~127, 0 is the broadcasting	1	5	×	0~127			frequency at stop, display output frequency at operating				
Second State Seco	for	or judgingthe	0.0~1000.0S	0.1	0.08	×	0~10000	B4.06	I inear cneed	energy feedback mode.	0.01	1.00	0	0~999
Parameter copy Para	sta	tatus	0~1000mS	1	5mS	×	0~1000		ratio					0~300
1.00 Key Juck Bit The tays on the operation Finding Find	res	esponding to							Multi-speed	Lower limit of frequency~		5.00H	0	0~300
Marcheloo Green particular Green			0: The keys on the operation	1	0	0	0~4			Group C1:Process PID parar				
A			the keys are usable. 1: The keys on the operation						control function Reference	0: Digital input	•			0~1
Marti-functional key are manable.			are locked, and all the keys are unusable.					C1.02	selection		1	0	0	0
Section Suffer Experiment contained Suffer Experiment contai			multi-functional key are					C1.03	selection	-10.00V~10.00V	0.01	0.00	0	0~200
Model-Trustrion New Judicial Content Ne			3: All the keys except for the SHIFT key are unusable.						of reference					0~100
According Acco	M	Aulti-function	RUN AND STOP keys are unusable.	1	4	0	0~5			reference to base value of10V/20mA))				
1. Oaly A003 and b4.02 can be modified 2. Oaly b4.02 can be modified 2. Oaly b4.02 can be modified 3. Oaly operation 1. Oaly operation	ke Pa	ey definition arameter	0: All parameters are allowed					C1.06	corresponding to the Min	(Ratio of Min reference to	0.1%	0.0%	0	0~100
4.04 Parameter operation 1	pro	Totection	1: Only A0.03 and b4.02 can be modified;					C1.07		reference to base value of	0.1%		0	0~100
Parameter copy			0: No operation 1: Clear fault information in memory	1	0	×	0~2	C1.08	corresponding to the Max	0.0~100%(Ratio of Max reference to base value of	0.1%		0	0~100
3. parameters download (except the parameters related to drive type) Note: Not to upload/download drive's parameters selection 1007H 1	Pa	arameter copy	0: No action 1: parameters upload	1	0	×	0~3		Proportional			2.000	0	0~100
Note: Not to upload/download drive's parameters of the parameters			3: parameters download (except the parameters related						Differential					0~100
Display parameters selection Bill Cloperating of No display; Display (Unit's place of LED: BITO: Output frequency) frequency at energy feedback mode) BITI-Setting frequency (Flicking, No display at stop. Display power frequency (Flicking, No display at stop. Display power frequency (Flicking, No display at energy feedback mode) BITI-Setting frequency (Flicking, No display at energy feedback mode) BITI-Output turnet(No display at stop. Display power frequency at energy feedback mode) BITI-Soutput voltage(No display at stop. Display power frequency at energy feedback mode) BITI-Supplay Display power frequency at energy feedback mode) BITI-Supplay of the following at stop. Display power frequency at energy feedback mode) BITI-Supplay of the following display at stop. Display power frequency at energy feedback mode) BITI-Output power(No display at stop. Display power frequency at energy feedback mode) BITI-Output power(No display at stop. Display power frequency at energy feedback mode) BITI-Output power(No display at stop. Display power frequency at stop and energy feedback mode) BITI-Output turque(No display at stop. Display power frequency at stop and energy feedback mode) BITI-Output turque(No display at stop. Display power) BITI-Output turque(No display at feedback mode) BIT			Note: Not to upload/download drive's parameters.						T					1~500
Unit's place of LED: BITO: Output frequency(No display at stop.Display power frequency at energy feedback mode) BITI-Setting frequency (Flicking.No display) at stop.Display power frequency frequency at energy feedback mode) BITI-Soutput corrent(No display) at stop.Display power frequency at energy feedback mode) BITI-Soutput voltage(No display) at stop.Display power frequency at energy feedback mode) BITI-Soutput voltage(No display) at energy feedback mode) BITI-Soutput voltage(No display) at stop.Display power frequency at energy feedback mode) BITI-Soutput voltage(No display) at stop.Display power frequency at energy feedback mode) Ten's place of LED: BITIO: AI BITIS: DI terminal status Hundred's place of LED: BITIO-Output power(No display at stop and energy feedback mode) BITI-Output torque(No display at stop and energy feedback mode) BITI-Output torque(No display at stop and energy feedback mode) BITI-Canalog close-loop feedback mode) BITI-Sanalog close-loop feedback mode) BITI-Sanalog close-loop setting (%) Flexiking, no display at C1.16 Integral Integral regulation when the frequency reaches the upper and lower limits I: Negative 1 0 × X	pa	arameters	BIT1:Operating	1	1007H	0		C1.14	Error limit	0.0~20.0%(Corresponding to close-loop reference)	0.1%	2.0%	0	0~200
Trequency at energy feedback mode) BIT1:Setting frequency (Flicking, No display at energy feedback mode) BIT2:Output current(No display at stop. Display power frequency at energy feedback mode) BIT3: Output solitage(No display at stop. Display power frequency at energy feedback mode) BIT3: Output voltage(No display at stop. Display power frequency at energy feedback mode) C1.18 Holding time of present mode) C1.19 Preset C2.19 Preset C2.1			Unit's place of LED: BIT0: Output frequency(No					C1.15	regulation		1	0	×	0~1
frequency at energy feedback mode) BIT3-Output voltage(No display at stop, Display power frequency at energy feedback mode) Ten's place of LED: BIT0-AI BIT3-DI terminal status Hundred's place of LED: BIT0-Output power(No display at stop and energy feedback mode) BIT1-Output torque(No display at stop and energy feedback mode) BIT1-Analog close-loop feedback mode) BIT1-Analog close-loop feedback mode) BIT3-Analog close-loop feedback mode) BIT3-Anal			frequency at energy feedback mode) BIT1:Setting frequency (Flicking.No display at energy feedback mode) BIT2:Output current(No display					C1.16	regulation	when the frequency reaches the upper and lower limits 1: Continue the integral regulation when the frequency reaches the upper and lower	1	0	×	0~1
display at stop.Display power frequency at energy feedback mode) Ten's place of LED: BITO: AI BIT3: DI terminal status Hundred's place of LED: BITO:Output power(No display at stop and energy feedback mode) BIT1:Cutput torque(No display at stop and energy feedback mode) BIT2:Analog close-loop feedback mode) BIT2:Analog close-loop feedback mode) BIT3:Analog close-loop setting (%)(Flicking, no display at stop and gisplay at stop and gisplay at stop and energy feedback mode) BIT3:Analog close-loop feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at stop and energy feedback mode) BIT3:Analog close-loop display at sto			frequency at energy feedback mode)					C1.17	close-loop	0.00~300.00Hz	l	1	0	0~300
BITO: AI BIT3: DI terminal status Hundred's place of LED: BIT0: Output power(No display at stop and energy feedback mode) BIT1: Output torque(No display at stop and energy feedback mode) BIT2: Analog close-loop feedback (%)(No display at feedback mode) BIT3: Analog close-loop feedback (%)(No display at feedback mode) BIT3: Analog close-loop setting (%)(Flicking, no display at			display at stop.Display power frequency at energy feedback mode)					C1.18	preset close-loop	0.0~3600.0S	0.1S	0.0S	×	0~360
BITO:Output power(No display at stop and energy feedback mode) BIT1:Output torque(No display at stop and energy feedback mode) BIT2:Analog close-loop feedback mode) BIT3:Analog close-loop feedback mode) BIT3:Analog close-loop setting (%)(Flicking, no display at feedback mode) BIT3:Analog close-loop setting (%)(Flicking, no display at feedback mode) BIT3:Analog close-loop setting (%)(Flicking, no display at feedback mode) BIT3:Analog close-loop setting (%)(Flicking, no display at feedback mode) BIT3:Analog close-loop setting (%)(Flicking, no display at feedback mode) C1.34 Close-loop output is negative, the drive will operate at zero frequency. 1: The close-loop output is negative, and the drive operate reverse. C1.35 Sleep function on the close-loop output is negative, and the drive operate reverse. C1.35 Sleep function on the close-loop output is negative, and the drive operate reverse. C1.35 Sleep function on the close-loop output is negative, and the drive operate reverse. C1.35 Sleep function on the close-loop output is negative, and the drive operate reverse. C1.35 Sleep function on the close-loop output is negative, and the drive operate reverse. C1.35 Sleep function on the close-loop on the close-loop output is negative, and the drive operate reverse. C1.35 Sleep function on the close-loop on the close			BIT0: AI BIT3: DI terminal status					C1.33	Preset close-loop reference 1~15				0	0~200
C1.35 Sleep function 0: Disable 1 0 0			display at stop and energy feedback mode) BIT1:Output torque(No display					C1.34	output reversal	negative, the drive will operate at zero frequency. 1: The close-loop output is negative	1	0	0	0~1
(%)(No display at feedback mode) C1.37 Sleep latency 0.0~6000.0s 0.1s 30.0s ○ BIT3:Analog close-loop setting (%)(Flicking, no display at C1.38 Wake-up level 0.0~100.0% 0.1% 50.0% ○ C2: Simple PLC C2: Simple PLC Unit's place of LED: 1 0000 ×			mode) BIT2:Analog close-loop					C1.35		0: Disable	1	0	0	0~1
BIT3:Analog close-loop setting			(%)(No display at feedback							0.0~100.0%	1			0~10 0~
(%)(Flicking, no display at C2.00 Simple PLC Unit's place of LED: 1 0000 ×			BIT3:Analog close-loop					C1.38	Wake-up level		0.1%	50.0%	0	60000 0~10
feedback mode) Thousand's place of LED: operation mode selector operation PLC operation mode 0: No function			(%)(Flicking, no display at feedback mode)					C2.00	operation	Unit's place of LED: PLC operation mode	1	0000	×	0~112

on code	Name	Descriptions	Unit	Factor y setting	M odi f.	Setting range
		Stop after single cycle Except final states after single				
		cycle				
		3: Continuous cycle Ten's place of LED:				
		Start mode				
		0: Start from first step				
		1: Start from the step before				
		stop (or alarm). 2: Start from the step and				
		frequency before stop(or				
		alarm)				
		Hundred's place of LED: Storage after power off				
		0: Disable				
		Save the segment frequency when power off				
		Thousand's place of LED:				
		Time unit selector for each				
		step 0: Second1: Minute				
C2.01	Step 1 setting	Unit's of LED:	1	000	0	0~323H
		0:Multiple frequency				
		N(N:corresponding to current step)				
		1: Defined by A0.02				
		2: Multiple closed-loop				
		reference N(N:corresponding to current step)				
		3: Defined by C1.01				
		Ten's place of LED:				
		Forward1: Reverse Defined by operation				
		command				
		Hundred's place of LED: 0: Acc/Dec time 1				
		1: Acc/Dec time 1				
		2: Acc/Dec time 3				
22.02	Step 1	3: Acc/Dec time 4	0.1	20.0	0	
2.02	operating time	0.0~6500.0	0.1	20.0	L	0~65000
2.03~	Step N setting	Step N setting is same as	1	000	0	0~323H
2.30	and Stan N	C2.01	0.1	20.0	0	0~65000
	Step N operating time	Step N operating time same as C2.02				
		Group C3: Swing paramet				· · · · · · · · · · · · · · · · · · ·
3.00	Swing function	0: Disable	1	0	×	0~1
3.01	selector Swing	1: Enable Unit's place of LED: Startup	1	0000	×	0~1111H
	Operation	method	-			
		0: Auto mode1: By terminal				
	mode	Ton's place of LED, Crying				
	mode	Ten's place of LED: Swing control				
	mode	control 0: Reference centre frequency				
	mode	control 0: Reference centre frequency 1: Reference max. frequency				
	mode	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED:				
	mode	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop				
	mode	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop				
	mode	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop				
	mode	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure				
3.02		control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save	0.01H	0,00Н	0	0~10000
	Preset swing frequency	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0:00Hz~Max. frequency	0.01H z	0.00H z	0	0
	Preset swing frequency Waiting time	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save			0	
	Preset swing frequency Waiting time for preset swing	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0:00Hz~Max. frequency	z	z		0
23.03	Preset swing frequency Waiting time	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0:00Hz~Max. frequency	z	z		0
3.03	Preset swing frequency Waiting time for preset swing frequency Swing amplitude	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s	z 0.1s 0.1%	z 0.0s 0.0%	0	0 0~36000 0~500
23.03	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s	z 0.1s 0.1%	z 0.0s 0.0%	0	0 0~36000 0~500 0~500
3.03 3.04 3.05 3.06	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency 1: Reference max. frequency 1: Not save of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s	z 0.1s 0.1% 0.1% 0.1s	z 0.0s 0.0% 0.0% 10.0s	0 0	0 0~36000 0~500 0~500 1~9999
3.03 3.04 3.05 3.06	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle)	Z 0.1s 0.1% 0.1% 0.1% 0.1%	z 0.0s 0.0%	0	0 0~36000 0~500 0~500
3.03 3.04 3.05 3.06 3.07	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display	Z 0.1s 0.1% 0.1% 0.1% 0.1s 0.1% 0.1% 0.1%	z 0.0s 0.0% 0.0% 10.0s 50.0%	0 0 0	0 0~36000 0~500 0~500 1~9999 0~1000
23.03 23.04 23.05 23.06 23.07	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle)	Z 0.1s 0.1% 0.1% 0.1% 0.1%	z 0.0s 0.0% 0.0% 10.0s	0 0	0 0~36000 0~500 0~500 1~9999
23.03 23.04 23.05 23.06 23.07	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time	control 0: Reference centre frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display	Z 0.1s 0.1% 0.1% 0.1s 0.1% 0.19	z 0.0s 0.0% 0.0% 10.0s 50.0%	0 0 0	0 0~36000 0~500 0~500 1~9999 0~1000
23.03 23.04 23.05 23.06 23.07	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference frequency Auxiliary reference	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display -300.00~300.00Hz	Z 0.1s 0.1% 0.1% 0.1s 0.1s 0.1s 0.1% 0.1h z	2 0.0s 0.0% 0.0% 10.0s 50.0%	0 0 0 0	0 0~36000 0~500 0~500 1~9999 0~1000
23.03 23.04 23.05 23.06 23.07 0.00 0.01	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference frequency Auxiliary reference frequency	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency 1: Reference max. frequency 1: Not save after stop 0: Save1: Not save 0: Save1: Not save 0: 0.00Hz~Max. frequency 0: 0.0%~50.0% 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display -300.00~300.00Hz -300.00~300.00Hz	0.1% 0.1% 0.1% 0.1s 0.1s 0.01H z 0.01H	2 0.08 0.0% 0.0% 10.0s 50.0%	0 0 0 0	0 0~36000 0~500 0~500 1~9999 0~1000 0~60000
23.03 23.04 23.05 23.06 23.07 20.00 0.00	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference frequency Auxiliary reference	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display -300.00~300.00Hz	z 0.1s 0.1% 0.1% 0.1% 0.1s 0.1% 0.1s 0.1% v 0.01H z 0.01H z 0.01H	2 0.0s 0.0% 0.0% 10.0s 50.0%		0 0~36000 0~500 0~500 1~9999 0~1000
23.03 23.04 23.05 23.06 23.07 10.00 10.01	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference frequency Auxiliary reference frequency Preset frequency Frequency Frequency after	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency 1: Reference max. frequency 1: Not save after stop 0: Save1: Not save 0: Save1: Not save 0: 0.00Hz~Max. frequency 0: 0.0%~50.0% 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display -300.00~300.00Hz -300.00~300.00Hz	Z 0.1s 0.1% 0.1% 0.1s 0.1s 0.1s 0.1s 0.1% 0.01H z 0.01H 0.01H z 0.01H 0.01H z 0.01H	2 0.08 0.0% 0.0% 10.0s 50.0%		0 0~36000 0~500 0~500 1~9999 0~1000 0~60000
C3.03 C3.04 C3.05 C3.06 C3.07 C3.07 C3.00 C3.07 C3.00 C3.07	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference frequency Auxiliary reference frequency Preset frequency Frequency Frequency Frequency Frequency Frequency	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency 1: Reference max. frequency 1: Reference max. frequency 1: Not save of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz	Z 0.1s 0.1% 0.1% 0.18 0.11 0.01H z 0.01H 0	2 0.08 0.0% 0.0% 10.0s 50.0% 0.00 0.00	· · · · · · · · · · · · · · · · · · ·	0 0~36000 0~500 0~500 1~9999 0~1000 0~60000 0~60000 0~60000
C3.03 C3.04 C3.05 C3.06 C3.07 C3.07 C3.00 C3.07 C3.00 C3.07	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference frequency Auxiliary reference frequency Preset frequency Frequency Frequency after	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display -300.00~300.00Hz -300.00~300.00Hz	Z 0.1s 0.1% 0.1% 0.1s 0.1s 0.1s 0.1s 0.1% 0.01H z 0.01H 0.01H z 0.01H 0.01H z 0.01H	0.08 0.09 0.09 0.09 10.0s 50.09 0.00	* *	0 0~36000 0~500 0~500 1~9999 0~1000 0~60000 0~60000
C3.03 C3.04 C3.05 C3.06 C3.06 C3.07 I0.00 I0.01 I0.02 I0.03 I0.04 I0.05	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference frequency Auxiliary reference frequency Preset frequency Frequency Frequency Gutput frequency Output voltage	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz	Z 0.1s 0.1% 0.1% 0.1s 0.1s 0.1s 0.1h z 0.01H 0.01H z 0.01H 0.01H z 0.01H 0.0	0.0% 0.0% 0.0% 10.0s 50.0% 0.00 0.00 0.00 0.00	O O O O O O O O O O O O O O O O O O O	0 0~36000 0~500 0~500 1~9999 0~1000 0~60000 0~60000 0~60000 0~60000 0~60000
C3.03 C3.04 C3.05 C3.06 C3.07 C3.06 C3.07 C3.06 C3.07 C3.06 C3.07 C3.06 C3.07 C3.06 C3.07	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference frequency Auxiliary reference frequency Preset frequency Frequency after Acc/Dec Output frequency Output voltage Output current	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz	Z O.1s O.1% O.1% O.1% O.1s O.1h Z O.01H D.01H D.01H	0.0% 0.0% 0.0% 10.0s 50.0% 0.00 0.00 0.00 0.00 0.00	O O O O O A **	0 0~36000 0~36000 0~500 1~9999 0~1000 0~60000 0~60000 0~60000 0~60000 0~60000 0~480 0~65535
C3.02 C3.03 C3.04 C3.05 C3.06 C3.07 I0.00 I0.01 I0.02 I0.03 I0.04 I0.05 I0.06 I0.07 I0.08	Preset swing frequency Waiting time for preset swing frequency Swing amplitude Jump frequency Swing cycle Triangle wave rising time Main reference frequency Auxiliary reference frequency Preset frequency Frequency Frequency Gutput frequency Output voltage	control 0: Reference centre frequency 1: Reference max. frequency 1: Reference max. frequency Hundred's place of LED: Swing states storage 0: Save after stop 1: Not save after stop Thousand's place of LED: Swing states storage after power failure 0: Save1: Not save 0.00Hz~Max. frequency 0.0~3600.0s 0.0%~50.0% 0.1~999.9s 0.0%~100.0%(Swing cycle) Group d0:Status display -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz -300.00~300.00Hz	Z 0.1s 0.1% 0.1% 0.1s 0.1s 0.1s 0.1h z 0.01H 0.01H z 0.01H 0.01H z 0.01H 0.0	0.0% 0.0% 0.0% 10.0s 50.0% 0.00 0.00 0.00 0.00	O O O O O O O O O O O O O O O O O O O	0 0~36000 0~500 0~500 1~9999 0~1000 0~60000 0~60000 0~60000 0~60000 0~60000

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Functi on code	Name	Descriptions	Unit	Factor y setting	M odi f.	Setting range
d0.10	Motor estimated	the motor's rated power) -300.00~300.00Hz	0.01	0.00	*	0~60000
d0.11	Motor actual frequency	-300.00~300.00Hz	0.01	0.00	*	0~60000
d0.12	Bus voltage	0~800V	1V	0	*	0~800
d0.13	Drive operation status	0-FFFH bit0: Run/Stop bit1: Reverse/Forward bit2: Operating at zero frequency bit3: Accelerating bit4: Decelerating bit5: Operating at constant speed bit6: Pre-commutation bit7: Tuning bit8: Over-current limiting bit9: DC over-voltage limiting bit10: Torque limiting bit11: Speed limiting bit12: Drive fault bit13: Speed control	1	0	*	0~FFFF H
d0.14	Input terminals	bit14: Torque control 0~FFH, 0: OFF; 1: ON	1	00	*	0~FFH
d0.15	Status Output	0~1FH, 0: OFF; 1: ON	1	0	*	0~1FH
d0.16	terminals status AI input	-10.00~10.00V	0.01V	0.00	*	0~2000
d0.19	Percentage of AI after regulation	-100.00%~110.00%	0.01%	0.00	*	0~20000
d0.24	Process close-loop reference	-100.0~100.0% (Ratio of the full range)	0.1%	0.0%	*	0~2000
d0.25	Process close-loop feedback	-100.0~100.0% (Ratio of the full range)	0.1%	0.05%	*	0~2000
d0.26	Process close-loop error	-100.0~100.0% (Ratio of the full range)	0.1%	0.0%	*	0~2000
d0.27	Process close-loop	-100.0~100.0% (Ratio of the full range)	0.1%	0.0%	*	0~2000
d0.28	Temperature of heatsink 1	0.0~150.0℃	0.1℃	0.0	*	0~1500
d0.29	Temperature of heatsink 2	0.0~150.0℃ 0~65535 hours	0.1℃	0.0	*	0~1500 0~65535
	conduction time		hours			
d0.31	Total operating time	0~65535 hours	1 hours	0	*	0~65535
d0.32	Total fan's operating time	0~ 65535 hours	1 hours	0	*	0~65535
d0.33	ASR controller output	-300.0~300.0% (Corresponding to drive's rated torque) Group d1:Fault record	0.1%	0.0%	*	0~6000
d1.00	Fault record 1	0~55	1	0	*	0~50
d1.01	Bus voltageofthelate stfailure	0~999V	1V	0V	**	0~999
d1.02	Actual current of the latest failure	0.0~999.9A	0.1A	0.0A	*	0~9999
d1.03	Operation frequency of the latest failure	0.00Hz~300.00Hz	0.01H z	0.00H z	*	0~30000
d1.04	Operation status of the latest failure	0~FFFFH	1	0000	*	0~FFFF H
d1.05	Fault record 2	0~55	1	0	*	0~50
d1.06	Fault record 3	0~55 Group d2:Product Identity Para	l l	0	*	0~50
d2.00	Serial number	0~FFFF	1	100	*	0~65535
d2.01	Software version number	0.00~99.99	1	1.00	*	0~9999
d2.02	Custom-made version number	0~9999	1	0	*	0~9999
d2.03	Rated capacity	Output power , 0~999.9KVA (Dependent on drive's model)	0.1KV A	Factor y setting	*	0~9999
d2.04	Rated voltage	0~999V (Dependent on drive's model)	1V	Factor y setting	*	0~999
d2.05	Rated current	0~999.9A (Dependent on drive's model)	0.1A	Factor	*	0~9999
<u> </u>		·	<u> </u>	setting		
U0.00	Factory	Group U0:Factory parame	ters 1	Factor	_	0~FFFF
	password	Note: Other parameters in this group		y setting		_
			_	_		

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Functi on code	Name	Descriptions	Unit	Factor y setting	M odi f.	Setting range
		can't display until entering the right password.				

Note: O: Can be modified during operation;

- ×: Cannot be modified during operating;
- *: Actually detected and cannot be revised;
- -: Defaulted by factory and cannot be modified.