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# Mini type VFD of CV100 series

Thank you for using CV100 series Variable Frequency Drive made by Kinco Automation.

CV100 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.

 $\mbox{CV100}$  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 CV100, 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.

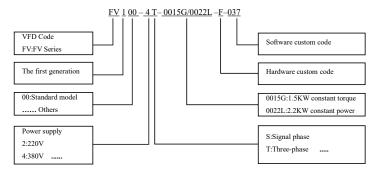
The user manual is subject to change without notifying the customers due to the continuous process of

product improvements
You can scan the QR code below to get the latest electronic version of the official website.



USER'S MANUAL

## VFD model rule



## Production introduction:

## General specifications

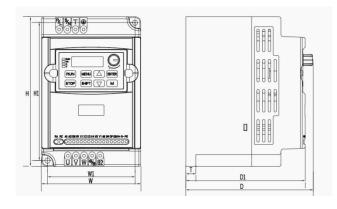
		General specifications					
I	tem	Description					
	Rated voltage and	4T:3-phase,380V~440V AC; 50Hz/60Hz					
Input	frequency	2S:Single-phase,200V~240V;50Hz/60Hz					
Input Output Control Characteristics Operation panel	Allowable voltage	4T: 320V~460V AC;2S:180V~260V;					
	range	Voltage tolerance <3%; Frequency: ±5%					
	Rated voltage	0~Rated input voltage					
	Frequency	0Hz~300Hz(Customized 0Hz~1000Hz)					
Output	Overload capacity	G type: 150% rated current for 1 minute, 180% rated current for 10 seconds; L type: 110% rated current for 1 minute, 150% rated current for 1 second					
	Control mode	V/F control, SVC (Open loop vector control)					
	Modulation mode	Space vector PWM modulation					
	Starting torque	0.5Hz 150%rated torque (Vector control without PG)					
	Frequency accuracy	Digital setting: Max frequency ×±0.01%; Analog setting: Max. frequency ×±0.2%					
	Frequency	Digital setting: 0.01Hz;					
Control	resolution	Analog setting: Max frequency×0.1%					
	Torque boost	Manual torque boost :0%~30.0%					
	V/F pattern	4 patterns: 1 V/F curve mode set by user and 3 kinds of torque-derating modes (2.0 order, 1.7 order and 1.2 order)					
	Acc/Dec curve	Linear acceleration/deceleration,					
	1100/200 041/0	Four kinds of acceleration/deceleration time					
	Auto current limit	Limit current during the operation automatically to prevent frequent over current trip					
Operation monel	LED Display	Display setting frequency, output frequency, output voltage, output current and so on, about 20 parameters.					
Operation panel	Keys lock and	Lock part of keys or all the keys.					
	function selection	Define the function of part of keys					
Protection functio	n	Open phase protection (optional), over current protection, overvoltage protection, under-voltage protection, overheat protection, over-load protection and so on.					

	Item	Description
	Operating site	Indoor, installed in the environment free from direct sunlight, dust, corrosive gas, combustible gas, oil mist, steam and drip.
	Altitude	Derated above 1000m, the rated output current 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
Structure	Cooling method	Air cooling, with fan control.
Installation me	ethod	Wall-mounted
Efficiency		≥90%

## Introduction of CV 100 series:

Model of VFD	Rated capacit (kVA)	Rated input current (A)	Rated output current (A)	Motor power (kW)
CV100-1S-0002G	0.6	6.0	2.5	0.2
CV100-1S-0004G	1.0	9.0	4.0	0.4
CV100-1S-0007G	1.5	18.0	7.5	0.75
CV100-1S-0011G	3.0	25.0	10.0	1.1
CV100-2S-0004G	1.0	5.3	2.5	0.4
CV100-2S-0007G	1.5	8.2	4.0	0.75
CV100-2S-0015G	3.0	14	7.5	1.5
CV100-2S-0022G	4.0	23	10	2.2
CV100-4T-0007G/0015L	1.5	3.4	2.3	0.75
CV100-4T-0015G/0022L	3.0	5.0	3.7	1.5
CV100-4T-0022G/0037L	4.0	5.8	5.5	2.2

#### **External dimension:**



## CV100-1S-0002G~ CV100-4T-0022G/0037L

## Mechanical parameters

VFD model			Exte	ernal din	nension	and (mn	1)		
(G: Constant torque load; L: Draught fan and water pump load)		Н	D	W1	H1	D1	T1	Installation hole(d)	Weight (kg)
CV100-1S-0002G									
CV100-1S-0004G	85	142	122	73	130	112	10	5	0.8
CV100-1S-0007G									
CV100-1S-0011G	101	152	127	89	140	117	10	5	1.0
CV100-2S-0004G									
CV100-2S-0007G	85	142	127	73	130	120	10	5	0.8
CV100-2S-0015G									
CV100-2S-0022G									
CV100-4T-0007G/0015L	101	152	129	89	140	121	10	5	1
CV100-4T-0015G/0022L	101	132	129	09	140	121	10	3	1
CV100-4T-0022G/0037L									

## Note:

## Wiring:

<u>/</u>	
the drive's AC power is	disconnected, all the LEDs on the opera-

- -Wiring can only be done after the drive's AC power is disconnected, all the LEDs on the operation pane 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.

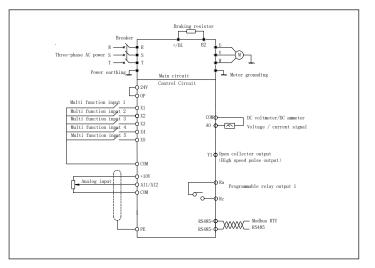
-Grounding cables should be copper cables with section area bigger than 3.5mm2, and the grounding resistance should be less than  $10\Omega$ .

-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 input over-current protection and maintenance.

Top of single phase	L	N		PE	]
Top of 3-phase	R	s	Т	PE	]
Bottom	U	V	w	+/B1	B2

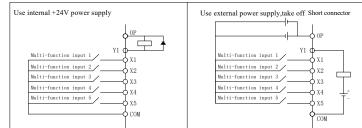
Terminal name	Function description
R,S,T/L,N	3-phase 380VAC /Single phase 220VAC input terminal
+/B1, B2	Braking resistor terminal
U,V,W/PE	3-phase AC output terminal/ Shield PE terminal



Arrangement of control circuit terminals is as follows:

RA RC All Al2 com 10V X1 X2 X3 X4 X5 Y1 AO 24V OP PE 485+ 485- PE																			
	RA	RC	Al1	Al2	сом	10V	X1	X2	Х3	X4	X5	Y1	AO	24V	OP	PE	485+	485-	PE

( Analog quantity AI1 and AO can select voltage signal or current signal through function code a6.51, AI2 only supports voltage signal )



## Faults and actions

It lists the possible faults of CV100, the fault code varies from E001 to E050. Once a fault occurs, you may check it against the table and record the detailed phenomena before seeking service from your supplier.

supplier.				
Fault code	Fault categories	Possible reasons for fault	Actions	
		Acc time is too short	Prolong the Acc time	
	Over	Parameters of motor are wrong	Auto-tune the parameters of motor	
E001	current during	Drive power is too small	Select a higher power drive	
acceleration	V/F curve is not suitable	Check and adjust V/F curve, adjust torque boost		
	Over	Deceleration time is too short	Prolong the Dec time	
E002	current during	The load generates energy or the load inertial is too big	Connect suitable braking kit	
	deceleration	Drive power is too small	Select a higher power drive	
E003	Over- current in	Acceleration /Deceleration time is too short	Prolong Acceleration/ Deceleration time	
	constant	Sudden change of load or Abnormal load	Check the load	

Fault code	Fault categories	Possible reasons for fault	Actions
	speed	Low AC supply voltage	Check the AC supply voltage
	operation	Drive power is too small	Select a higher power drive
	Over voltage	Abnormal AC supply voltage	Check the power supply
E004	during	Too short acceleration time	Prolong acceleration time
	Over	Too short Deceleration time (with	Prolong the deceleration time
E005	voltage during deceleration	reference to generated energy)  The load generates energy or the load inertial is too big	Connect suitable braking kit
	Over	Acceleration /Deceleration time is	Prolong Acceleration/
	voltage in	too short	Deceleration time
E006	constant	Abnormal AC supply voltage	Check the power supply
	operating	Abnormal change of input voltage	Install input reactor
	process	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
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 motor
		Short-circuit among 3-phase output or line-to-ground short circuit	Rewiring, please make sure the insulation of motor is good
		Instantaneous over-current	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	Ambient over-temperature	Lower the ambient temperature
E011	module's heatsink	Vent is obstructed	Clean the vent
	overheat	Fan does not work	Replace the fan
		IGBT module is abnormal	Seek service  Lower the ambient temperature
E012	Rectifier's heatsink	Ambient over-temperature  Vent is obstructed	Clean the vent
2012	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
	D.	DC injection braking current is too	Reduce the DC injection braking
E013	Drive overload	big	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 Improper motor's overload	Adjust V/F curve or torque boost value  Modify the motor's overload
		protection threshold	protection threshold.
	Motor	Motor is locked or load suddenly become too big	Check the load
E014	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	Communica- tion 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	Contactor damaged	Replace the contactor in main circuit and seek service
E018	not closed	Soft start resistor is damaged	Replace the soft start resistor and seek service
		Control circuit is damaged	Seek service
		Input phase loss	Check the wiring of R, S, T.

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Fault	Fault		Possible reasons for fault		Act	ions				
code	categories  Current		Wires or connectors of control board are loose		Check ar	ıd re-wire	•			
E019	detection	Αι	ixiliary power supply is damaged		Seek s	ervice				
	circuit fails		Hall sensor is damaged		Seek s	ervice				
	lans		Amplifying circuit is abnormal		Seek s	ervice				
E020	System interference		Terrible interference		STOP/RS d a power fi power su	lter in fro	ont of			
		DS	P in control board read/write by mistake	Press	STOP/RST	key or seek	service.			
E023	Reserve									
			Imprope		nproper settings of parameters on the nameplate		Set the parameters correctly according to the nameplate			
	Auto	I	Prohibiting contra Auto-turning during rollback	Ca	ncel prohib	iting roll	back			
E024	tuning			С	heck the m	otor's wi	ring			
	fault Overtime of auto-tunin		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		), make				
E026	The load of drive is lost		The load is lost or reduced	Che	ck the situa	tion of th	ne load			
E027~ E050	Reserved									
List of P	arameters:									
Function code	Name		Descriptions	Unit	Factory setting	Modif	Setting range			
			Group A0:Basic operating parame	eters						
A0.00	User password		No password protection.     Others: Password protection.	1	0	0	0~FFFF			

		sure if it is lower than the rated frequency or not						
E026	The load of drive is lost	The load is lost or reduced	Chec	ck the situa	ition of tl	ne load		
E027~ E050	Reserved							
	arameters:							
Function code	Name	Descriptions	Unit	Factory setting	Modif	Setting range		
40.00	1	Group A0:Basic operating parame		-		o per		
A0.00	User password	0: No password protection. Others: Password protection.	1	0	0	0~FFFF		
A0.01	Control mode	0:Vector control without PG 1:Reserve 2: V/F control Note: when choose V/F control, A0.13≠0, b0.13=0, please cancel current control to make motor	1	0	×	0~2		
		running more smoothly. But						
		starting torque will be lower.						
A0.02	Main reference frequency selector	0: Digital setting1: 1: AI1 2: AI2 3: Potentiometer 4: DI Pulse	1	3	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 inputting operating commands	0: Panel control 1: Terminal control 2: Communication control	1	0	0	0~2		
A0.05	Set running	0: Forward	1	0	0	0~1		
110.00	direction	1: Reverse		•	-	0 1		
A0.06	Acc time 1	0.0~6000.0	0.1s	6.0s	0	0~60000		
A0.07	Dec time 1	0.0~6000.0	0.1s	6.0s	0	0~60000		
A0.08	Max. output frequency	50Hz~ 300.00Hz	0.01 Hz	50.00	×	0~ 30000		
A0.09	Max. output voltage	0~480	1V	VFD's rated values	×	0~480		
A0.10	Upper limit of frequency	A0.11~A0.08	0.01 Hz	50.00	0	0~ 30000		
A0.11	Lower limit of frequency	0.00~A0.10	0.01 Hz	0.00	0	0~ 30000		
A0.12	Basic operating frequency	0.00~300.00Hz	0.01 Hz	50.00	0	0~ 30000		
A0.13	Torque boost	0.0% (Auto) ,0.1%~30.0%	0.1%	0.0%	0	0~300		
A1.00	Starting mode	Group A1:Start and stop parameters of the starting frequency 1: Brake first and then start 2: Start on the fly(including direction judgment), start at starting frequency	eters 1	0	×	0~2		
A1.01	Starting frequency	0.00~60.00Hz	0.01 Hz	0.00Hz	0	0~6000		
A1.02	Holding time of startingfrequency	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-stop1: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	0.01 Hz	0.00Hz	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	0.0%~100.0% drive's rated	0.1%	0.0%	0	0~1000		

Function code	Name	Descriptions	Unit	Factory setting	Modif	Setting range
A1.09	DC injection braking	0.0 (No action)	0.01s	0.00s	0	0~3000
A1.10	Restart after power	0.01~30.00s 0:Disable	1	0	×	0~1
A1.11	Delay time for restart after power	1:Enable 0.0~10.0s	0.1s	0.0s	0	0~100
A1.12	failure Anti-reverse running function	0: Disabled 1:Enable(It will operate at zero frequency when input a reverse command)	1	0	×	0~1
A1.13	Delay time of run reverse/forward	0.00~360.00s	0.01s	0.00s	0	0~ 36000
A1.14	Switch mode of run reverse/ forward(Reserved)	0: Switch when pass 0Hz 1: Switch when pass starting frequency	1	0	×	0~1
A1.15	Detecting frequency of stop	0.00~150.00Hz	0.01 Hz	0.10Hz	×	0~ 15000
A1.16	Action voltage of braking unit	650~750V	1	720	×	650~ 750
A1.17 A1.18	Dynamic braking Ratio of working time of braking unit to drive's total working time	0: Disable1: Enable 0.0~100.0%	1 0.1%	80.0%	× 0	0~1 0~1000
A1.19	Restart mode selection for power failure	0: Current search mode It is only valid in V/F control. If it is not V/F control, it will run mode 1 1: Vector tracing mode It starts in vector control mode. 2: Define by A1.00 It will start according to starting mode set in A1.00.	1	0	×	0~2
A2.00	Auxiliary reference	Group A2:Frequency setting 0: No auxiliary reference frequency	1	0	0	0~5
	frequency selector	1: AI12: AI2 5: Output by PID process				
A2.01	Main and auxiliary reference frequency calculation	0: +1: - 2: MAX (Main reference, Auxiliary reference) 3: MIN (Main reference, Auxiliary reference)	1	0	0	0~3
A2.02 A2.03	UP/DN rate UP/DN regulating control	0.01~99.99Hz/s Unit's place of LED: 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	0.01	00	0	1~9999 0~11H
A2.04	Jog operating	1:UP/DN speed value 0.10~50.00Hz	0.01	5.00	0	10~
A2.05	frequency Interval of Jog	0.0~100.0s	Hz 0.1s	0.0	0	5000 0~1000
A2.06	operation Skip frequency 1	0.00~300.00Hz	0.01	0.00	×	0~
A2.07	Range of skip	0.00~30.00Hz	Hz 0.01	0.00	×	30000 0~3000
A2.08	frequency 1 Skip frequency 2	0.00~300.00Hz	Hz 0.01	0.00	×	0~
A2.09	Range of skip	0.00~30.00Hz	Hz 0.01	0.00	×	30000 0~
A2.10	frequency Skip frequency 3	0.00~300.00Hz	Hz 0.01	0.00	×	3000 0~
A2.11	Range of skip frequency 3	0.00~30.00Hz	Hz 0.01 Hz	0.00	×	30000 0~3000
A3.00	Reference frequency curve selection	Group A3:Setting curve LED unit's place: A11 curve selection 0:Curve 11:Curve 2 2:Curve 33:Curve 4 LED ten's place: A12 curve selection 0:Curve 11:Curve 2 2:Curve 33:Curve 4 LED hundred's place: Reserved LED thousand's place: Reserved	1	0000	0	0~ 3333H
A3.01	Max reference of curve 1	A3.03~110.00%	0.01%	100.00%	0	0~ 11000
A3.02	Actual value corresponding to the Max reference of curve 1	Reference frequency: 0.0~100.00%Fmax Torque: 0.0~300.00%Te	0.01%	100.00%	0	0~ 10000
A3.03	Min reference of curve 1	0.0%~A3.01	0.01%	0.00%	0	0~ 11000
A3.04	Actual value corresponding to	The same as A3.02	0.01%	0.00%	0	0~ 10000

Function code	Name of curve 1	Descriptions	Unit	Factory setting	Modif	Setting range
A3.05	Max reference of	A3.07~110.00%	0.01%	100.00%	0	0~
A3.06	curve 2 Actual value	The same as A3.02	0.010/	100.000/	0	11000 0~
A3.06	corresponding to the Max reference of curve 2	The same as A3.02	0.01%	100.00%	0	10000
A3.07	Min reference of	0.0%~A3.05	0.01%	0.00%	0	0~
A3.08	curve 2 Actual value	The same as A3.02	0.01%	0.00%	0	11000 0~
115.00	corresponding to the Min reference of curve 2	The suite us 715.02	0.0170	0.0070	Ü	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	The same as A3.02	0.01%	100.00%	0	0~ 10000
A3.11	of curve 3 Min reference of	0.0%~A3.09	0.01%	0.00%	0	0~
A3.12	Curve 3 Actual value	The same as A3.02	0.01%	0.00%	0	11000 0~
A3.12	corresponding to the Min reference of curve 3	The same as A3.02	0.01%	0.00%	0	10000
A3.13	Max reference of curve 4	A3.15~110.00%	0.01%	100.00%	0	0~ 11000
A3.14	Actual value	The same as A3.02	0.01%	100.00%	0	0~
	corresponding to the Max reference of curve 4					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	The same as A3.02	0.01%	0.00%	0	0~
	corresponding to the Min reference of inflection point 1 of curve 4					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
A3.21	Curve features selection	Unit's place of LED: Curve 1 0: Actual value<0, take 0. 1: Symmetry about the origin 2: Take absolute value. Ten's place of LED:Curve 2 0: Actual value<0, take 0. 1: Symmetry about the origin 2: Take absolute value. Hundred's place of LED:Curve 3 0: Actual value<0, take 0. 1: Symmetry about the origin 2: Take absolute value. Thousand's place of LED: Curve 4 0: Actual value<0, take 0. 1: Symmetry about the origin 0: Actual value<0, take 0. 1: Symmetry about the origin 2: Take absolute value.	1	0000	0	0~ 2222H
A4.00	Acc/Dec mode	Group A4: Acc/Dec parameter  0: Linear Acc/Dec; 1: S Curve	rs 1	0	×	0~1
A4.00	Acc time 2	0.0~6000.0	0.1s	20.0s	0	0~60000
A4.02	Dec time 2	0.0~6000.0	0.1s	20.0s	0	0~60000
A4.03	Acc time 3	0.0~6000.0	0.1s	20.0s	0	0~60000
A4.04 A4.05	Dec time 3 Acc time 4	0.0~6000.0	0.1s 0.1s	20.0s 20.0s	0	0~60000
A4.06	Dec time 4	0.0~6000.0	0.1s	20.0s	0	0~60000
A4.07	S curve acceleration	10.0%~50.0%(Acc time)	0.1%	20.0%	0	100~
A4.08	S curve acceleration	A4.07+ A4.08≤90% 10.0%~70.0%(Acc time)	0.1%	20.0%	0	500 100~
A4.09	ending time S curve deceleration	A4.07+ A4.08≤90% 10.0%~50.0%(Dec time)	0.1%	20.0%	0	800 100~
A4.10	starting time  S curve deceleration	A4.09+ A4.10≤90%  10.0%~70.0%(Dec time)	0.1%	20.0%	0	500 100~
A+.10	ending time	A4.09+ A4.10≤90%				800
	Quick start-stop	0: Disable 1: Quick start,normal stop	1	0	×	0~3
A4.11	selctor	2: Normal start,quick stop				
A4.11	Start ACR-P		0.1	20.0	0	1~2000

		8				
Function	.,	5	** *	Factory	24 110	Setting
code	Name	Descriptions	Unit	setting	Modif	range
A4.15	Start AVR-I	0.000~10.000s	0.001s	0.200s	0	0~10000
A4.16 A4.17	Stop ACR-P	0.1~200.0 0.000~10.000s	0.1 0.001s	20.0 0.200s	0	1~2000
A4.17 A4.18	Stop ACR-I Stop AVR-P	0.1~200.0	0.001s	20.0	0	0~10000 1~2000
A4.19	Stop AVR-I	0.000~10.000s	0.001s	0.200s	0	0~10000
A4.20	Over_Commtatation	0: disable	1	0	×	0~1
	Stop	1:enable		_		
A4.21	ACC/DEC time	0:ACC/DEC time × 1 1: ACC/DEC time × 0.1	1	0	×	0~1
A4.22	ACC/DEC time	0.00~300.00Hz	0.01	0.00Hz	×	0~
	1/2 switch freq.	Select ACC/DEC time 2 when	Hz			30000
		output freq. is less than A4.11				
A4.23~	Reserved	Reserved	1	0	0	0~
A4.40		Group A5:Control parameters				65535
A5.00	Speed/torque	0: Speed control mode	1	0	×	0~1
	control mode	1: Reserved				
A5.01	ASR1-P	0.1~200.0	0.1	20.0	0	1~2000
A5.02	ASR1-I	0.000~10.000s	0.001s	0.200s	0	0~10000
A5.03	ASR1 output filter	0~8 (Corresponding to 0. 2\\(^{2}\)/10mg)	1	0	0	0~8
A5.04	ASR2-P	(Corresponding to 0~2^8/10ms) 0.1~200.0	0.1	20.0	0	1~2000
A5.05	ASR2-I	0.000~10.000s	0.001s	0.200s	0	0~10000
A5.06	ASR2 output filter	0~8	1	0	0	0~8
	•	(Corresponding to 0~2^8/12.5ms)				
A5.07	ASR1/2 switching	0.0%~100.0%	0.1	10.0%	0	0~1000
A 5 1 0	frequency	0.00/ +200.00/	0.107	100.007	_	0.2000
A5.10 A5.11	Driving torque limit Braking torque limit	0.0%~+300.0%	0.1%	180.0% 180.0%	0	0~3000 0~3000
A5.11 A5.17	ACR-P	1~5000	0.1%	180.0%	0	1~5000
A5.18	ACR-I	0.5~100.0ms	0.1	8.0	0	5~1000
		Group A6:Control terminals param				
A6.00~	Multi-function	0: No function	1	0	×	0~54
A6.04	terminal X1~X5	1: Forward				
		2: Reverse 3: Forward jog operation				
		4: Reverse jog operation				
		5: 3-wire operation control				
		6: External RESET signal input				
		7: External fault signal input				
		8: External interrupt signal input				
		9: Drive operation prohibit 10: External stop command				
		11: DC injection braking command				
		12: Coast to stop				
		13: Frequency ramp up (UP)				
		14: Frequency ramp down (DN)				
		15: Switch to panel control				
		16: Switch to terminal control 17: Switch to communication				
		control mode				
		18: Main reference frequency via AI1				
		19: Main reference frequency via AI2				
		27: Preset frequency 1 28: Preset frequency 2				
		29: Preset frequency 3				
		30: Preset frequency 4				
		31: Acc/Dec time 1				
		32: Acc/Dec time 2				
		33: Multiple close-loop				
		reference selection 1 34: Multiple close-loop				
		reference selection 2				
		35: Multiple close-loop				
		reference selection 3				
		36: Multiple close-loop reference selection 4				
		37: Forward prohibit				
		38: Reverse prohibit				
		39: Acc/Dec prohibit				
		40: Process close-loop prohibit				
		42: Main frequency switch to				
		digital setting 43: PLC pause				
		44: PLC prohibit				
		45: PLC stop memory clear				
		46: Swing input				
		47: Swing reset 48~49:Reserved				
		50: Timer 1 start				
		51: Timer 2 start				
		53: Counter input				
		54: Counter clear				
	m · · · · ·	Others: Reserved				
A6.08	Terminal filter	0~500ms	1	10	0	0~500
A6.09	Terminal control mode selection	0:2-wire operating mode 1 1:2-wire operating mode 2	1	0	×	0~3
	mode scientilii	2:3-wire operating mode 2				
		3:3-wire operation mode 2				
		4:2-wires operation mode 3				
A6.13	Input terminal's	Binary setting	1	00	0	0~FFH
	positive and negative logic	0: Positive logic: Terminal Xi is enabled if it is connected to				
	I negative togic	chaoica ii it is connected to			1	

9 10 11

Function code	Name	Descriptions	Unit	Factory setting	Modif	Setting range
		corresponding common terminal, and disabled if it is disconnected.  1: Negative logic: Terminal Xi is disabled if it is connected to corresponding common terminal, and enabled is it is disconnected.  Unit's place of LED:BITO~BIT3: X1~X4				
		Ten's place of LED:BIT0~BIT2: X5				
A6.14	Bi-direction pen-collector output terminal Y1	0: Running signal(RUN) 1: frequency arriving signal(FAR) 2: frequency detection threshold (FDT1) 3: frequency detection threshold (FDT2) 4: overload signal(OL) 5: low voltage signal(LU) 6: external fault signal(EXT) 7: frequency high limit(FHL) 8: frequency low limit(FHL) 9: zero-speed running 10: Terminal X1(Reserved) 11: Terminal X2(Reserved) 11: Terminal X2(Reserved) 12: PLC running step complete signal 13: PLC running cycle complete signal 14: Swing limit 15: Drive ready (RDY) 16: Drive fault 17: Switching signal of host 19: Torque limiting 20: Drive running forward/reverse 21: Timer 1 reach 22: Timer 2 reach 24: Intermediate counter reach		0	×	0~50
A6.15	Reserved	Others: Reserved Reserved	1	1	×	0~50
A6.16	Output functions of relay R1	The same as A6.14	1	16	×	0~24
A6.17	Output functions of relay R2	The same as A6.14	1	15	×	0~50
A6.18	Output delay of Relay R1	0.1~10.0s	0.1s	0.1	0	1~100
A6.19	Output delay of Relay R2	0.1~10.0s	0.1s	0.1	O	1~100
A6.20	Output terminal's positive and negative logic	Binary setting: 0: Terminal is enabled if it is connected to correspond common terminal, and disabled if it is disconnected. 1: Terminal is disabled if it is connected to corresponding common terminal, and enabled if it is disconnected. Unit's place of LED: BITO: Y1 BIT1: Y2 BIT2: R1 BIT3: R2 Ten's place of LED: BIT0:DO	1	0	0	0~1FH
A6.21	Frequency arriving	0.00~300.00Hz	0.01	2.50Hz	0	0~
A6.22	signal (FAR) FDT1 level	0.00~300.00Hz	Hz 0.01 Hz	50.00Hz	0	30000 0~ 30000
A6.23	FDT1 lag	0.00~300.00Hz	0.01	1.00Hz	0	0~
A6.24	FDT2 level	0.00~300.00Hz	0.01	25.00Hz	0	30000 0~
A6.25	FDT2 lag	0.00~300.00Hz	0.01	1.00Hz	0	30000 0~
A6.26	Virtual terminal setting	Binary setting 0: Disable 1: Enable Unit's place of LED: BIT0~BIT3: X1~X4 Ten's place of LED: BIT0~BIT2: X5~X8	Hz 1	00	0	30000 0~FFH
A6.27	Function of terminal D0	0~50: DO as Y terminal; 51~88: DO function 0: Drive running signal (RUN) 1: Frequency arriving signal (FAR) 2: Frequency detection threshold (FDT1) 3: Frequency detection threshold (FDT2) 4: Overload signal 5:Low voltage lock-up signal (LU) 6: External stopping command (EXT)				

Function code	Name	Descriptions	Unit	Factory setting	Modif	Setting range
		7: High limit of frequency (FHL)		5		9*
		8: Lower limit of frequency (FLL)				
		9: Zero-speed running				
		10: X1 terminal(Reserved)				
		11X2 terminal(Reserved)				
		12:PLC running step finish signal				
		13:PLC running cycle finish signal				
		14:Swing frequency limit				
		15:Drive ready (RDY)				
		16:Drive faulty				
		17:Switching signal of host				
		18:Reserved				
		19:Torque limiting				
		20:Drive running forward/reverse				
		21~50:Reserved				
		51:Output frequency (0~Max. Freq)				
		52:Preset frequency (0~ Max. Freq.)				
		53:Preset frequency (After				
		Acc/Dec) (0~ Max. Freq.)				
		54:Motor speed (0~Max. speed)				
		55:Output current (0~2*Iei)				
		56: Output current(0~2*Iem)				
		57: Output torque(0~3*Tem)				
		58: Output power(0~2*Pe)				
		59: Output voltage(0~1.2*Ve)				
		60: DC bus voltage(0~800V)				
		61:AI1				
		62:AI2				
		63:AI3				
		64:DI				
		65:Perventage of host (0~4095)				
		66~88:Reserved				
A6.28	Max. output pulse freq.	0.1~100.0(Max. 100.0k)	0.1 kHz	10.0	0	1~1000
A6.29	Center point of	0: No center point	1 1	0	0	0~2
	pulse output		1	U	"	0~2
	selection	1:Center point is (A6.26)/2,				
		positive value when output pulse				
		freq. less than center point.				
		2:Center point is (F14.13)/2,				
		positive value when output pulse				
A6.30	Function of	freq. larger than center point.  0: No function	1	0	0	0~36
A0.50	terminal AO1	1: Output frequency (0~ Max.	1	U	"	0~30
		output frequency)				
		2: Preset frequency (0~ Max.				
		output frequency)				
		3: Preset frequency(After Acc/ Dec)(0~ Max.output frequency)				
		4: Motor speed (0~ Max. speed)				
		5: Output current (0~2*Iei)				
		6: Output current (0~2*Iem)				
		7: Output torque (0~3*Tem) 8: Output power (0~2*Pe)				
		9: Output voltage (0~1.2*Ve)				
U.		9: Output voltage (0~1.2*Ve) 10: Bus voltage (0~800V)				
		10: Bus voltage (0~800V) 11: AI1				
		10: Bus voltage (0~800V) 11: AI1 12: AI2				
		10: Bus voltage (0~800V) 11: AI1 12: AI2 13: AI3				
		10: Bus voltage (0~800V) 11: AI1 12: AI2				
		10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: DI 15: Percentage of host (0~4095) 16~36: Reserved				
A6.31	Functions of	10: Bus voltage (0~800V) 11: A11 12: A12 13: A13 14: D1 15: Percentage of host (0~4095)	1	0	0	0~36
	terminal AO2	10: Bus voltage (0~800V) 11: AI1 12: AI2 13: AI3 14: DI 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30		-		
A6.31 A6.32 A6.33		10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: DI 15: Percentage of host (0~4095) 16~36: Reserved	1 0.1% 0.1%	0 100.0% 0.0	0	0~36 0~2000 0~2000
A6.32	terminal AO2 Gain of AO1	10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: Dl 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0%	0.1%	100.0%	0	0~2000
A6.32 A6.33	Gain of AO1 Zero offset calibration of AO1 Gain of AO2	10: Bus voltage (0~800V) 11: A11 12: A12 13: A13 14: D1 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%	0.1% 0.1% 0.1%	100.0% 0.0 100.0%	0 0	0~2000 0~2000 0~2000
A6.32 A6.33	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset	10: Bus voltage (0~800V) 11: A11 12: A12 13: A13 14: D1 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%	0.1%	100.0%	0	0~2000 0~2000
A6.32 A6.33 A6.34 A6.35	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2	10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: DI 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%	0.1% 0.1% 0.1% 0.1%	100.0% 0.0 100.0% 0.0	0 0	0~2000 0~2000 0~2000 0~2000
A6.32 A6.33 A6.34 A6.35	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2 AI1 filter	10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: Dl 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%  0.0%~200.0% -100.0%~100.0%	0.1% 0.1% 0.1% 0.1% 0.01s	100.0% 0.0 100.0% 0.0 0.05	0 0	0~2000 0~2000 0~2000 0~2000 1~1000
A6.32 A6.33 A6.34 A6.35	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2	10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: DI 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%	0.1% 0.1% 0.1% 0.1%	100.0% 0.0 100.0% 0.0	0 0 0	0~2000 0~2000 0~2000 0~2000
A6.32 A6.33 A6.34 A6.35 A6.36 A6.37	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2 AI1 filter AI3 filter Analog input zero	10: Bus voltage (0~800V) 11: A11 12: A12 13: A13 14: D1 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%  0.09~200.0% -100.0%~100.0%	0.1% 0.1% 0.1% 0.1% 0.01s	100.0% 0.0 100.0% 0.0 0.05 0.05	0 0 0	0~2000 0~2000 0~2000 0~2000 1~1000
A6.32 A6.33 A6.34 A6.35 A6.36 A6.37 A6.38 A6.39	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2 AI1 filter AI2 filter AI3 filter Analog input zero offset calibration	10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: DI 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%  0.0%~200.0% -100.0%~100.0%  0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s	0.1% 0.1% 0.1% 0.1% 0.01s 0.01s 0.01s	100.0% 0.0 100.0% 0.0 0.05 0.05 0.05	0 0 0 0 0 0 0 0 0	0~2000 0~2000 0~2000 0~2000 1~1000 1~1000 1~1000 0~20000
A6.32 A6.33 A6.34 A6.35 A6.36 A6.37 A6.38 A6.39	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2 AI1 filter AI2 filter AI3 filter Analog input zero offset calibration Gain of AI1	10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: Dl 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%  0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s	0.1% 0.1% 0.1% 0.1% 0.01s 0.01s 1 0.01%	100.0% 0.0 100.0% 0.0 0.05 0.05 0.05 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0~2000 0~2000 0~2000 0~2000 1~1000 1~1000 1~1000 0~20000
A6.32 A6.33 A6.34 A6.35 A6.36 A6.37 A6.38 A6.39 A6.40 A6.41	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2 AI1 filter AI2 filter AI3 filter Analog input zero offset calibration Gain of AI1 Gain of AI2	10: Bus voltage (0~800V) 11: A11 12: A12 13: A13 14: D1 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%  0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s	0.1% 0.1% 0.1% 0.1% 0.01s 0.01s 0.01s 0.01s 0.01%	100.0% 0.0 100.0% 0.0 0.05 0.05 0.05 0 110% 110%		0~2000 0~2000 0~2000 0~2000 1~1000 1~1000 0~20000 0~20000
A6.32 A6.33 A6.34 A6.35 A6.36 A6.37 A6.38 A6.39	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2 AI1 filter AI2 filter AI3 filter Analog input zero offset calibration Gain of AI1	10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: Dl 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%  0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s	0.1% 0.1% 0.1% 0.1% 0.01s 0.01s 1 0.01%	100.0% 0.0 100.0% 0.0 0.05 0.05 0.05 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0~2000 0~2000 0~2000 1~1000 1~1000 0~20000 0~20000 0~20000 0~20000 0~20000
A6.32 A6.33 A6.34 A6.35 A6.36 A6.37 A6.38 A6.39 A6.40 A6.41 A6.42 A6.43~ A6.43~	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2 Zero offset calibration of AO2 AI1 filter AI2 filter AI3 filter Analog input zero offset calibration Gain of AI1 Gain of AI2 Gain of AI3 Reserved	10: Bus voltage (0~800V) 11: Al1 12: Al2 13: Al3 14: DI 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%  0.0%~200.0% -100.0%~100.0%  0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~10.00s 0.01~0.00s 0.00%~200% 0.00%~200% Reserved	0.1% 0.1% 0.1% 0.01s 0.01s 0.01s 1 0.01s 1	100.0% 0.0  100.0% 0.0  0.05 0.05 0.05 0 110% 110% 0		0-2000 0-2000 0-2000 1-1000 1-1000 0-2000 0-20000 0-20000 0-20000 0-20000 0-20000 0-4095
A6.32 A6.33 A6.34 A6.35 A6.36 A6.37 A6.38 A6.39 A6.40 A6.41 A6.42 A6.43~	terminal AO2 Gain of AO1 Zero offset calibration of AO1 Gain of AO2 Zero offset calibration of AO2 AI1 filter AI2 filter AI3 filter Analog input zero offset calibration Gain of AI1 Gain of AI2 Gain of AI3	10: Bus voltage (0~800V) 11: A11 12: A12 13: A13 14: D1 15: Percentage of host (0~4095) 16~36: Reserved Same as A6.30  0.0%~200.0% -100.0%~100.0%  0.01~10.00s	0.1% 0.1% 0.1% 0.1% 0.01s 0.01s 0.01s 0.01s 0.01% 0.01%	100.0% 0.0 100.0% 0.0 0.05 0.05 0 110% 110% 110%		0~2000 0~2000 0~2000 1~1000 1~1000 0~20000 0~20000 0~20000 0~20000

A6.49   Med time   A6.49   Med time   A6.50   Multi swite   A6.51~   AIO settin   A6.51~   AIO settin   A8.01   Fault select   A8.02   Fault select   A8.03   Moto prote select   A8.04   Auto   A8.05   Rese   A8.06   Fault select   A8.07   Rate   b0.00   Rate   b0.01   Rate   b0.02   Rate   b0.03   Rate   b0.04   Num of mo   b0.05   Rate   b0.06   Resistato   b0.07   Leak indured   b0.08   Resistato   b0.09   Resistato   b0.00   Resistato   b0	dian value of er ti-speed terminal ching time	0~65535  0~65535  0~500  Unit's place of LED: AII 0:voltage signal , 1: current signal Hundred's place of LED: AO 0:voltage signal ,	1 1 1	50 300	0	range 0~65535 0~65535
A6.49         Med times           A6.50         Mult. swite           A6.51~         AIO           A6.52~         Rese A6.60           A8.00         Proter relay           A8.01         Fault relay           A8.02         Fault relay           A8.03         Moto prote select           A8.04         Auto           A8.05         Rese A8.06           A8.06         Fault relay           b0.00         Rate and relations           b0.01         Rate and relations           b0.02         Rate and relations           b0.03         Rate and relations           b0.04         Num of mode and relations           b0.05         Rate and relations           b0.07         Leak and relations           b0.08         Resistant           b0.09         Resistant           b0.00         Resistant	dian value of er ti-speed terminal ching time ) terminal ing	0~500  Unit's place of LED: AII 0:voltage signal , 1: current signal Hundred's place of LED: AO	1			0~65535
A6.50         Multiswite           A6.51~         AIO           A6.52~         Rese           A6.60         Proterielay           A8.00         Proterielay           A8.01         Faultiselect           A8.02         Faultiselect           A8.03         Motor proteselect           A8.04         Faultiselect           A8.05         Reservate           A8.06         Faultiselect           B0.00         Rate           B0.01         Rate           B0.02         Rate           B0.03         Rate           B0.04         Numinor           B0.05         Rate           B0.06         Resis           stato         Resis           b0.07         Leak           b0.08         Resis           stato         Resis           stato         Resis	ti-speed terminal ching time D terminal ing	Unit's place of LED: AII 0:voltage signal , 1: current signal Hundred's place of LED: AO		300		1
A6.51~ AIO settin setti	O terminal ing	0:voltage signal , 1: current signal Hundred's place of LED: AO	1		0	0~65535
A8.02 Fault select A8.03 Moto protes select A8.04 Auto A8.04 Auto B0.01 Rate b0.01 Rate b0.02 Rate b0.03 Rate b0.04 Rate b0.05 Rate b0.06 Resistato b0.07 Leak induction b0.08 Resistato b0.08		1: current signal		0000	0	0~1111H
A8.01 Fault select A8.02 Fault select A8.03 Moto prote select A8.04 Auto A8.05 Research A8.06 Fault funct b0.01 Rate b0.02 Rate b0.03 Rate b0.04 Num of motor b0.05 Rate b0.06 Resistato b0.07 Leak indue b0.08 Resistato b0.08 Resistato	tective notion of	Reserved	1	0	0	0~65535
A8.01 Fault select A8.02 Fault select A8.03 Moto prote select A8.04 Auto A8.05 Research A8.06 Fault funct b0.01 Rate b0.02 Rate b0.03 Rate b0.05 Rate b0.06 Resistato b0.07 Leak indue b0.08 Resistato b0.08 Resistato		Group A8: Fault parameters Unit's place of LED:	1	0000	×	0~1111H
A8.02 Fault select A8.03 Moto protesselect A8.04 Auto A8.05 Rese A8.06 Fault funct b0.01 Rate b0.02 Rate b0.03 Rate b0.04 Num of moto Moto B0.05 Rate b0.06 Resistato b0.07 Leak induce b0.08 Resistato b0.08 Resistato		Omit s place of LED: Action selection for under-voltage fault indication. 0:Disable, 1: Enable Ten's place of LED: Action selection for auto reset interval fault indication. 0:Disable, 1: Enable Hundred's place of LED: Selection for fault locked function. 0:Disable, 1: Enable Thousand's place of LED:Reserved	1	0000	*	0~1111H
A8.03 Moto prote selection    A8.04 Auto    A8.05 Rese   A8.06 Fault funct    b0.00 Rate   b0.01 Rate   b0.02 Rate   b0.03 Rate   b0.04 Num   of m   b0.05 Rate   b0.06 Resis   stato    b0.07 Leak   indu   b0.08 Resis   %82	It masking ection 1	Unit's place of LED: Communication fault masking selection Ten's place of LED: Relay faultmasking selection Hundred's place of LED: EEPROMfault masking selection Thousand's place of LED: reserved 0:Disable.Stop when fault happen 1:Disable.Continue operating when fault happen 2:Enable	1	2000	×	0~ 2222H
A8.04 Auto  A8.05 Rese A8.06 Fault funct  b0.00 Rate b0.01 Rate b0.02 Rate b0.03 Rate b0.04 Num of m b0.05 Rate b0.06 Resi stato  b0.07 Leak indue  b0.08 Resis	It masking ection 2	Unit's place of LED: Open phase fault masking selection for input Ten's place of LED: Open phase fault masking selection for output	1	00	×	0~22H
A8.05   Reset	tor overload tection mode ection	0: Disabled 1:Common mode (with low speed compensation) 2: Variable frequency motor (without low speed compensation)	1	1	×	0~2
A8.06   Fault funct	o reset times	0: No function 1~100: Auto reset times Note: The IGBT protection (E010) and external equipment fault (E015) cannot be reset	1	0	×	0~100
b0.00 Rate b0.01 Rate b0.02 Rate b0.03 Rate b0.04 Num of m b0.05 Rate b0.06 Resistato b0.07 Leak indu b0.08 Resis	et interval	automatically. 2.0~20.0s/time	0.1s	5.0s	×	20~200
b0.01         Rate           b0.02         Rate           b0.03         Rate           b0.04         Numinof mt           b0.05         Rate           b0.06         Resistato           b0.07         Leak industrial           b0.08         Resistato	lt locking ction selection.	0:Disable. 1: Enable.	1	0	×	0~1
b0.01 Rate b0.02 Rate b0.03 Rate b0.04 Num of mt b0.05 Rate b0.06 Resistato b0.07 Leak indu b0.08 Resis	ed power	Group b0:Motor parameters 0.4~999.9KW	0.1	0	×	4~9999
b0.03 Rate b0.04 Num of me b0.05 Rate b0.06 Resistato b0.07 Leak indu b0.08 Resis	ed power ed voltage	0.4~999.9KW 0~ rated voltage of drive	0.1	0	×	0~999
b0.04 Num of me b0.05 Rate b0.06 Resistato b0.07 Leak indu	ed current	0.1~999.9A	0.1A	Depend on drive's model	×	1~9999
of mc	ed frequency	1.00~1000.00Hz	0.01 Hz	Depend on drive's model	×	100~ 30000
b0.05         Rate           b0.06         Resistato           b0.07         Leak inductor           b0.08         Resistato	nber of polarities	2~24	1	4	×	2~24
b0.07 Leak indu	ed speed	0~60000RPM	1RPM	1440RPM	×	0~60000
b0.08 Resi: %R2	istance of or %R1	0.00%~50.00%	0.01%	Depend on drive's model	×	0~5000
%R2	kage uctance %Xl	0.00%~50.00%	0.01%	Depend on drive's model	×	0~5000
b0.00 Evoi	istance of rotor	0.00%~50.00%	0.01%	Depend on drive's model	×	0~5000
l l	eiting uctance %Xm	0.0%~2000.0%	0.1%	Depend on drive's model	×	0~ 20000
b0.10 Curre load	rent without	0.1~999.9A	0.1A	Depend on drive's model	×	1~9999
b0.11 Auto	o-tuning	0: Auto-tuning is disabled 1: Stationary auto-tuning (Start auto-tuning to a standstill motor) 2: Rotating auto-tuning	1	0	×	0~3
b0.12 Moto protec		20.0%~110.0%	0.1%	100.0%	×	200~ 1100

Function				Factory		Setting
code	Name	Descriptions	Unit	setting	Modif	range
	protection time	0.0: Calculate the overload according to the internal overload curve				60000
b0.14	Oscillation inhibition coefficient	0~255	1	10	0	0~255
h1 00	V/F	Group b1:V/F parameters	1	0		0.2
b1.00	V/F curve setting	0: V/F curve is defined by user 1: 2-order curve 2: 1.7-order curve 3: 1.2-order curve	1	0	×	0~3
b1.01	V/F frequency value F3	B1.03~A0.08	0.01 Hz	0.00Hz	×	0~ 30000
b1.02	V/F voltage value V3	B1.04~100.0%	0.1%	0.0%	×	0~1000
b1.03	V/F frequency value F2	B1.05 ~B1.01	0.01 Hz	0.00Hz	×	0~ 30000
b1.04	V/F voltage value V2	B1.06~B1.02	0.1%	0.0%	×	0~1000
b1.05	V/F frequency value F1	0.00~B1.03	0.01 Hz	0.00Hz	×	0~ 30000
b1.06	V/F voltage value V1	0~B1.04	0.1%	0.0%	×	0~1000
b1.07	Cut-off point used for manual torque boost	0.0%~50.0% ( Corresponding to A0.12)	0.1%	10.0%	0	0~500
b1.08	AVR function	0: Disable 1: Enable all the time 2: Disabled in Dec process	1	2	×	0~2
		Group b2:Enhanced parameter	'S			
b2.00	Carrier wave frequency	2.0~15.0KHz	0.1	8.0	0	20~150
b2.01	Auto adjusting of	0: Disable	1	1	0	0~1
b2.02	CWF Voltage adjustment	1: Enable Unit's place of LED:	1	001	×	0~111H
	selection	Over-voltage at stall Selection 0:Disable(When install brake resistor) 1:Enable Ten's place of LED: Not stop when instantaneous stop function selection 0:Disable 1:Enable(Low voltage compensation) Hundred's place of LED: Overmodulation selection				
b2.03	Overvoltage point	0:Disable 1: Enable 120.0%~150.0%Udce	0.1%	140.0%	×	1200~
	at stall					1500
b2.04 b2.05	Droop control Auto current limiting threshold	0: Disable, 0.01~10.00Hz 20.0%~200.0%Ie	0.01	0.00Hz 150.0%	×	0~1000 200~ 2000
b2.06	Frequency decrease rate when current limiting	0.00~99.99Hz/s	0.01 Hz/s	10.00 Hz/s	0	0~9999
b2.07	Auto current limiting selection	0:Invalid at constant speed 1:Valid at constant speed Note:It is valid all the time at Acc/Dec	1	1	×	0~1
b2.08	Gain of Slip compensation	0.0~300.0%	0.1%	100.0%	0	0~3000
b2.09	Slip compensation limit	0.0~250.0%	0.1%	200.0%	0	0~2500
b2.10	Slip compensation time constant	0.1~25.0s	0.1s	2.0s	0	0~250
b2.11	auto energy-saving function	0: Disable 1: Enable	1	0	×	0~1
b2.12	Frequency decrease rate at voltage compensation	0.00~99.99Hz/s	0.01 Hz/s	10.00 Hz/s	0	0~9999
b2.13	Zero-frequency Operation threshold	0.00~300.00Hz	0.01 Hz	0.50Hz	0	0~ 30000
b2.14	Zero-frequency Hysteresis	0.00~300.00Hz	0.01 Hz	0.00Hz	0	0~ 30000
b2.15	(Reserved) Fan control	0:Auto operation mode 1:Fan operate continuously when power is on Note: Keep running for 3 minutes after the shutdown Group b3:Communication param	1	0	×	0~1
b3.00	Communication configuration	Unit's place of LED: Baud rate selection 0:4800BPS1:9600BPS 2:19200BPS3:38400BPS 4:115200BPS5:125000BPS Ten's place of LED: Data format 0:1-8-2-N format,RTU 1:1-8-1-E format,RTU 2:1-8-1-O format, RTU 3~5:Reserved Hundred's place of LED: wiring mode 0:Direct connection via cable (RS232/485)	1	001	×	0~155H

Function code	Name	Descriptions 1: MODEM (RS232)	Unit	Factory setting	Modif	Settin range
b3.01	Local address	0~127, 0 is the broadcasting address	1	5	×	0~127
b3.02	Time threshold for judging the communication	0.0~1000.0s	0.1	0.0s	×	0~ 10000
b3.03	Delay for responding to control PC	0~1000ms	1	5ms	×	0~100
b3.04~ b3.11	Reserved	Reserved	-	-	-	-
		Group b4:Keyboard parameter			1	
b4.00	Key-lock function selection	O: The keys on the operation panel are not locked, and all the keys are usable.  I: The keys on the operation panel are locked, and all the keys are unusable.  2: All the keys except for the multi-functional key are unusable.  3: All the keys except for the SHIFT key are unusable.  4: All the keys except for the SHIFT key are unusable.	1	0	0	0~4
b4.01	Multi-function key definition	AND STOP keys are unusable.  1: Jog function 1: Coast-to-stop 2: Quick stop 3: Switch of operating command 4:Switch of forward and reverse(Save after power failure) 5:Switch of forward and reverse (Not save after power failure)	1	4	0	0~5
b4.02	Parameter protection	0: All parameters are allowed modifying; 1: Only A0.03 and b4.02 can be modified;	1	1	0	0~2
b4.03	Parameter initialization	2: Only b4.02 can be modified. 0: No operation 1: Clear fault information in memory 2: Restore to factory settings	1	0	×	0~2
b4.04	Parameter copy	0: No action 1: parameters upload 2: parameters download 3: parameters download (except the parameters related to drive type) Note: Not to upload/download drive's parameters.	1	0	×	0~3
b4.05	Display parameters selection	Binary setting: BIT1: Operating 0: No display 1: Display Unit's place of LED: BIT0: Output frequency (No display at stop.Display power frequency 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 voltage(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) BIT3: Output voltage(No display at stop.Display power frequency at energy feedback mode) BIT0: AI1BIT1: AI2 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(%) (No display at feedback mode) BIT3: Analog close-loop setting (%) (Flicking, no display at feedback mode) BIT1: Speed(R/MIN) (No display at feedback mode) BIT2: Setting speed (R/MIN) (Flicking, no display at feedback mode) BIT2: Setting speed (R/MIN) (Flicking, no display at feedback mode) Note: If all the BITs are 0, the drive will display setting frequency at stop, display output frequency at		1007H		0~ 7FFFI

		14				
Function	Name	Descriptions	Unit	Factory setting	Modif	Setting range
code		operating and display bus voltage at energy feedback		setting		range
b4.06	Linear speed ratio	mode. 0.00~99.99	0.01	1.00	0	0~9999
b4.07	Speed ratio	0.000~30.000	0.001	1.000	0	0~
						30000
b4.08~ b4.09	Reserved	Reserved	1	0	0	0~ 65535
b4.10	Customer parameter	0~65535	1	0	×	0~
1 4 11	initialization	0:Not valid				65535
b4.11~ b4.15	Reserved	Reserved	1	0	0	0~ 65535
b4.16	Standard/high	0: Standard (0~300Hz)	0	0	×	0~1
1 4 1 7	frequency switch	1: high frequency (0~3000Hz)				
b4.17~ b4.20	Reserved	Reserved	-	-	-	-
		Group C0:Multi-section parameter	ters			
C0.00~	Multi-speed from	Lower limit of frequency~upper	0.01	5.00Hz	0	0~
C0.14	1~15	limit of frequency Group C1:Process PID parameter	Hz			30000
C1.00	Close-loop control	0: Disable	1	0	×	0~1
	function	1: Enable				
C1.01	Reference channel selection	0: Digital input1: AI1; 2: AI2;	1	1	0	0~3
C1.02	Feedback channel	0: AI1;1: AI2;	1	1	0	0~6
	selection	2: AI1+AI2;3: AI1-AI2; 4: MIN (AI1, AI2) 5: MAX (AI1, AI2);				
C1.03	Digital setting of	6: DI -10.00V~10.00V	0.01	0.00	0	0~2000
	reference					2000
C1.05	Min reference	0.0%~(C1.07) (Ratio of Min reference to base value of10V/20mA)	0.1%	0.0%	0	0~1000
C1.06	Feedback value corresponding to the Min reference	0.0~100.0% (Ratio of Min reference to base value of 10V/20mA)	0.1%	0.0%	0	0~1000
C1.07	Max reference	(C1.05)~100.0% (Ratio of Max reference to base value of 10V/20mA)	0.1%	100.0%	0	0~1000
C1.08	Feedback value corresponding to the Max reference	0.0~100% (Ratio of Max reference to base value of 10V/20mA)	0.1%	100.0%	0	0~1000
C1.09	Proportional gain	0.000~10.000	0.001	2.000	0	0~
	KP C					10000
C1.10 C1.11	Integral gain Ki	0.000~10.000	0.001	0.100	0	0~10000 0~
C1.11	Differential gain Kd	0.000~10.000	0.001	0.100	0	10000
C1.12	Sampling cycle T	0.01~50.00s	0.01s	0.50s	0	1~5000
C1.13	Output filter	0.01~10.00s	0.01s	0.05	0	1~1000
C1.14	Error limit	0.0~20.0%(Corresponding to close-loop reference)	0.1%	2.0%	0	0~200
C1.15	Close-loop regulation characteristic	0: Positive 1: Negative	1	0	×	0~1
C1.16	Integral regulation selection	O: Stop integral regulation when the frequency reaches the upper and lower limits I: Continue the integral regulation when the frequency	1	0	×	0~1
		reaches the upper and lower				
C1 17	Preset close-loop	limits	0.01	0.00**	-	0
C1.17	Preset close-loop frequency	0.00~300.00Hz	0.01 Hz	0.00Hz	0	0~ 30000
C1.18	Holding time of preset close-loop frequency	0.0~3600.0s	0.1s	0.0s	×	0~ 36000
C1.19~ C1.33	Preset close-loop reference 1~15	-10.00V ~10.00V	0.01V	0.00V	0	0~2000
C1.34	Close-loop output reversal selection	O: The close-loop output is negative, he drive will operate at zero frequency.  I: The close-loop output is negative and the drive operate reverse.	1	0	0	0~1
C1.35	Sleep function	0: Disable	1	0	0	0~1
~	selection	1: Enable.	_			_
C1.36	Sleep level	0.0~100.0%	0.1%	50.0%	0	0~1000
C1.37 C1.38	Sleep latency Wake-up level	0.0~6000.0s 0.0~100.0%	0.1s 0.1%	30.0s 50.0%	0	0~60000 0~1000
C2.00	Simple PLC operation mode selector	C2: Simple PLC Unit's place of LED: PLC operation mode 0: No function 1: Stop after single cycle 2: Keep final states after single cycle 3: Continuous cycle	1	0000	×	0~ 1123H
		S. Continuous eyerc Ten's place of LED: Start mode 0: Start from first step 1: Start from the step before				

Function code	Name	Descriptions	Unit	Factory setting	Modif	Setting range
		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 1: Save the segment frequency				
		when power off				
		Thousand's place of LED:				
		Time unit selector for each step				
C2.01	Step 1 setting	0: Second1: Minute Unit's of LED:	1	000	0	0~323H
C2.01	Step 1 setting	0:Multiple frequency	'	000	"	U~323H
		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: 0: Forward1: Reverse				
		2: Defined by operation command				
		Hundred's place of LED:				
		0: Acc/Dec time 1 1: Acc/Dec time 2				
		2: Acc/Dec time 2				
		3: Acc/Dec time 4				
C2.02	Step 1 operating	0.0~6500.0	0.1	20.0	0	0~
C2 02	Stan N satting and	Step N setting is same as C2.01	1	000	_	65000 0~323H
C2.03~ C2.30	Step N setting and Step N operating	Step N setting is same as C2.01 Step N operating time same as	0.1	20.0	0	0~323H 0~
	time	C2.02				65000
C3.00	Swing function	Group C3: Swing parameters  0: Disable	1	0	×	0~1
	selector	1: Enable				
C3.01	Swing Operation	Unit's place of LED: Startup	1	0000	×	0~
	mode	method 0: Auto mode1: By terminal				1111H
		Ten's place of LED: 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: Save, 1: Not save				
C3.02	Preset swing	0.00Hz~Max. frequency	0.01	0.00Hz	0	0~
G2 02	frequency	0.0.2000.0	Hz	0.0		100000
C3.03	Waiting time for preset swing	0.0~3600.0s	0.1s	0.0s	0	0~ 36000
	frequency					30000
C3.04	Swing amplitude	0.0%~50.0%	0.1%	0.0%	0	0~500
C3.05	Jump frequency	0.0%~50.0%	0.1%	0.0%	0	0~500
C3.06	Swing cycle	0.1~999.9s	0.1s	10.0s	0	1~9999
C3.07	Triangle wave rising time	0.0%~100.0%(Swing cycle)	0.1%	50.0%	0	0~1000
	Tibing time	Group d0:Status display				
d0.00	Main reference	-300.00~300.00Hz	0.01	0.00	*	0~
d0.01	frequency Auxiliary reference	-300.00~300.00Hz	Hz	0.00	*	60000 0~
uv.01	frequency	-500.00~500.00HZ	0.01 Hz	0.00		60000
d0.02	Preset frequency	-300.00~300.00Hz	0.01	0.00	*	0~
	. ,		Hz			60000
d0.03	Frequency after	-300.00~300.00Hz	0.01	0.00	*	0~
d0.04	Acc/Dec Output frequency	-300.00~300.00Hz	Hz 0.01	0.00	*	60000 0~
	Super requerity	200.00 300.00IIL	Hz	0.00		60000
d0.05	Output voltage	0~480V	1V	0	*	0~480
d0.06	Output current	0.0~3Ie	0.1A	0.0	*	0~65535
d0.07 d0.08	Torque current Magnetic flux	-300.0~+300.0% 0~+100.0%	0.1%	0.0%	*	0~6000 0~1000
40.00	current	J - 100.070	V.1 /0	3.070		0.1000
	Motor power	0.0~200.0% (Corresponding to	0.1%	0.0%	*	0~2000
d0.09		the motor's rated power)	00:	0.00	*	0
	36.4	200.00.200.0077	0.01	0.00	*	0~ 60000
	Motor estimated frequency	-300.00~300.00Hz				
d0.10	Motor estimated frequency Motor actual	-300.00~300.00Hz	0.01	0.00	*	0~
d0.10 d0.11	frequency  Motor actual frequency	-300.00~300.00Hz	0.01	0.00		60000
d0.10 d0.11 d0.12	frequency  Motor actual frequency  Bus voltage	-300.00~300.00Hz 0~800V	1V	0	*	60000 0~800
d0.10 d0.11	frequency  Motor actual frequency  Bus voltage  Drive operation	-300.00~300.00Hz 0~800V 0~FFFH				60000 0~800 0~
d0.10 d0.11 d0.12	frequency  Motor actual frequency  Bus voltage	-300.00~300.00Hz  0~800V  0~FFFH bit0: Run/Stop	1V	0		60000 0~800
d0.10 d0.11 d0.12	frequency  Motor actual frequency  Bus voltage  Drive operation	-300.00~300.00Hz  0~800V  0~FFFH bit0: Run/Stop bit1: Reverse/Forward	1V	0		60000 0~800 0~
d0.10 d0.11 d0.12	frequency  Motor actual frequency  Bus voltage  Drive operation	-300.00~300.00Hz  0~800V  0~FFFH bit0: Run/Stop	1V	0		60000 0~800 0~
d0.10 d0.11 d0.12	frequency  Motor actual frequency  Bus voltage  Drive operation	-300.00~300.00Hz  0~800V  0~FFFH bit0: Run/Stop bit1: Reverse/Forward bit2: Operating at zero frequency bit3: Accelerating	1V	0		60000 0~800 0~
d0.10 d0.11 d0.12	frequency  Motor actual frequency  Bus voltage  Drive operation	-300.00~300.00Hz  0~800V  0~FFFH bit0: Run/Stop bit1: Reverse/Forward bit2: Operating at zero frequency	1V	0		60000 0~800 0~

code	Name	Descriptions	Unit	Factory setting	Modif	Settir rang
		bit7: Tuning bit8: Over-current limiting bit9: DC over-voltage limiting bit10: Torque limiting				
		bit11: Speed limiting bit12: Drive fault bit13: Speed control				
d0.14	Input terminals	bit14: Torque control 0~FFH, 0: OFF; 1: ON	1	00	*	0~FFI
d0.15	status Output terminals	0~1FH, 0: OFF; 1: ON	1	0	*	0~1FF
	status				*	
d0.16 d0.17	AI1 input AI2 input	-10.00~10.00V -10.00~10.00V	0.01V 0.01V	0.00	*	0~200
d0.17	Reserved	-10.00~10.00 V	0.01 V	0.00	· ·	0~200
d0.19	Percentage of AI1 after regulation	-100.00%~110.00%	0.01%	0.00	*	0~ 20000
d0.20	Percentage of AI2 after regulation	-100.00%~110.00%	0.01%	0.00	*	0~ 20000
d0.21	Reserved	-100.00%~110.00%	0.01%	0.00	*	0~200
d0.22	AO1 output	0.0~100.0% (Ratio of the full range)	0.1%	0.0%	*	0~100
d0.24	Process close-loop reference	-100.0~100.0% (Ratio of the full range)	0.1%	0.0%	*	0~200
d0.25	Process close-loop feedback	-100.0~100.0% (Ratio of the full range)	0.1%	0.05%	*	0~200
d0.26	Process close-loop	-100.0~100.0%	0.1%	0.0%	*	0~200
d0.27	Process close-loop	(Ratio of the full range) -100.0~100.0% (Ratio of the full range)	0.1%	0.0%	*	0~200
d0.28	Temperature of	(Ratio of the full range) 0.0~150.0℃	0.1℃	0.0	*	0~150
d0.29	heatsink 1 Temperature of	0.0~150.0℃	0.1℃	0.0	*	0~150
d0.30	heatsink 2 Total conduction	0~65535 hours	1	0	*	0~
d0.31	Total operating	0~65535 hours	hours 1	0	*	65535 0~
d0.32	Total fan's	0~ 65535 hours	hours 1	0	*	65535 0~
d0.33	operating time ASR controller	-300.0~300.0% (Corresponding	hours 0.1%	0.0%	*	65535 0~600
u0.55	output	to drive's rated torque)	0.176	0.070		0~000
d0.34	Reference torque	-300.0~300.0% (Corresponding to drive's rated torque)	0.1%	0.0%	*	0~600
d0.35~ d0.56	Reserved	Reserved	1	0	*	0~ 65535
		Group d1:Fault record				
d1.00	Fault record 1	0~55	1	0	*	0~50
d1.01	Bus voltage ofthelatestfailure	0~999V	1V	0V	*	0~999
d1.02	Actual current of the latest failure	0.0~999.9A	0.1A	0.0A	*	0~999
d1.03	Operation frequency of the latest failure	0.00Hz~300.00Hz	0.01 Hz	0.00Hz	*	0~ 30000
	Operation status of	0~FFFFH	1	0000	*	0~ FFFF
d1.04	the latestfailure					
d1.05	Fault record 2	0~55	1	0	*	0~50
		0~55	1	0	*	_
d1.05 d1.06	Fault record 2 Fault record 3	0~55 Group d2:Product Identity Param	1 eters	0	*	0~50
d1.05	Fault record 2 Fault record 3  Serial number Software version	0~55	1			0~50
d1.05 d1.06 d2.00	Fault record 2 Fault record 3  Serial number Software version number Custom-made	0~55 Group d2:Product Identity Param 0~FFFF	1 eters	100	*	0~50 0~655 0~999
d1.05 d1.06 d2.00 d2.01	Fault record 2 Fault record 3  Serial number Software version number	0~55 Group d2:Product Identity Param 0~FFFF 0.00~99.99 0~9999 0:Heavy load G; 1: Light load L;	1 eters 1	0 100 1.00	*	0~50 0~655 0~999
d1.05 d1.06 d2.00 d2.01 d2.02	Fault record 2 Fault record 3  Serial number Software version number Custom-made version number	0~55 Group d2:Product Identity Param 0~FFFF 0.00~99.99 0~9999 0:Heavy load G; 1: Light load L; 2~9: Reserved Output power , 0~999.9KVA	1 1 1 1 1 0.1	0 100 1.00 0 0 Factory	* * *	0~50 0~655 0~999 0~999
d1.05 d1.06 d2.00 d2.01 d2.02 d2.03	Fault record 2 Fault record 3  Serial number Software version number Custom-made version number Load type selection	0~55 Group d2:Product Identity Param 0~FFFF 0.00~99.99 0~9999 0:Heavy load G; 1: Light load L; 2~9: Reserved Output power , 0~999.9KVA (Dependent on drive's model) 0~999V (Dependent on drive's	1 eters 1 1 1 1 1 1	100 1.00 0 0 Factory setting Factory	* * * * -	0~50 0~655 0~999 0~999
d1.05 d1.06 d2.00 d2.01 d2.02 d2.03	Fault record 2 Fault record 3  Serial number Software version number Custom-made version number Load type selection  Rated capacity	0~55 Group d2:Product Identity Param 0~FFFF 0.00~99.99 0~9999 0:Heavy load G; 1: Light load L; 2~9: Reserved Output power, 0~999.9KVA (Dependent on drive's model)	1 eters 1 1 1 1 1 1 1 1 1 KVA	0 100 1.00 0 0 Factory setting Factory setting Factory	* * * * * * * * * * * * * * * * * * * *	0~50 0~655 0~999 0~999 0~9
d1.05 d1.06 d2.00 d2.01 d2.02 d2.03 d2.04 d2.05	Fault record 2 Fault record 3  Serial number Software version number Custom-made version number Load type selection  Rated capacity  Rated voltage	0~55 Group d2:Product Identity Param 0~FFFF 0.00~99.99 0~9999 0:Heavy load G; 1: Light load L; 2~9: Reserved Output power, 0~999.9KVA (Dependent on drive's model) 0~999V (Dependent on drive's model) 0~999.9A (Dependent on drive's model) 0~999.9A (Dependent on drive's model) 0~65535	1 eters 1 1 1 1 1 0.1 KVA 1V 0.1A	100 1.00 0 0 Factory setting Factory setting	* * * * * * * * * * * * * * * * * * * *	0~50 0~655 0~999 0~999 0~999
d1.05 d1.06 d2.00 d2.01 d2.02 d2.03 d2.04 d2.05	Fault record 2 Fault record 3  Serial number Software version number Custom-made version number Load type selection  Rated capacity  Rated voltage  Rated current	0~55 Group d2:Product Identity Param 0~FFFF 0.00~99.99 0~9999 0:Heavy load G; 1: Light load L; 2~9: Reserved Output power, 0~999.9KVA (Dependent on drive's model) 0~999V (Dependent on drive's model) 0~999.9A (Dependent on drive's model)	1 eters 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 100 1.00 0 Factory setting Factory setting Factory setting	* * * * * * * *	0~50 0~655 0~999 0~999 0~999 0~999

<sup>×:</sup>Cannot be modified during operating;

<sup>\*:</sup>Actually detected and cannot be revised;

—:Defaulted by factory and cannot be modified.