

1 Preface

Thanks for using XINJE V5 series AC Inverters. Please read this manual carefully before you do the operations .This manual describes the procedures for operation and maintenance, including the installation,parameters setting ,malfunction diagnose and maintenance.

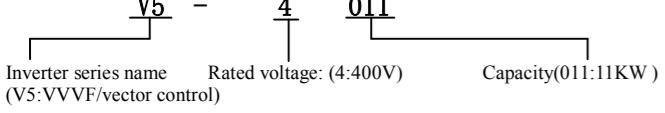
Please pay attention to the following notes:

- Cut off external power supply before installation and wiring.
- Make sure the power supply of main circuit meets the requirement of inverters well, connect the ground terminal to earth.
- Do not touch the output terminals and avoid any contact with the shell.
- Do not touch the internal circuit and component after turning power off until the indicating light is off of the digital panel on the inverter,because high voltage may still remain in the inverter.
- Avoid dirt and dust into the internal of inverters because the component built in inverters is sensitive to static electricity.

2 Delivery checking

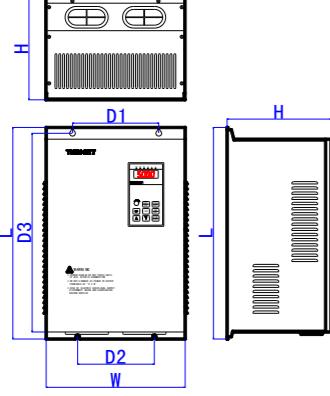
Using the following when products are delivered: Is there any damage during the delivery? Are the delivery products the ones that were ordered?

Nameplate



If there is a problem please contact with Xinje or an authorized distributor.

Dimension (Unit: mm)



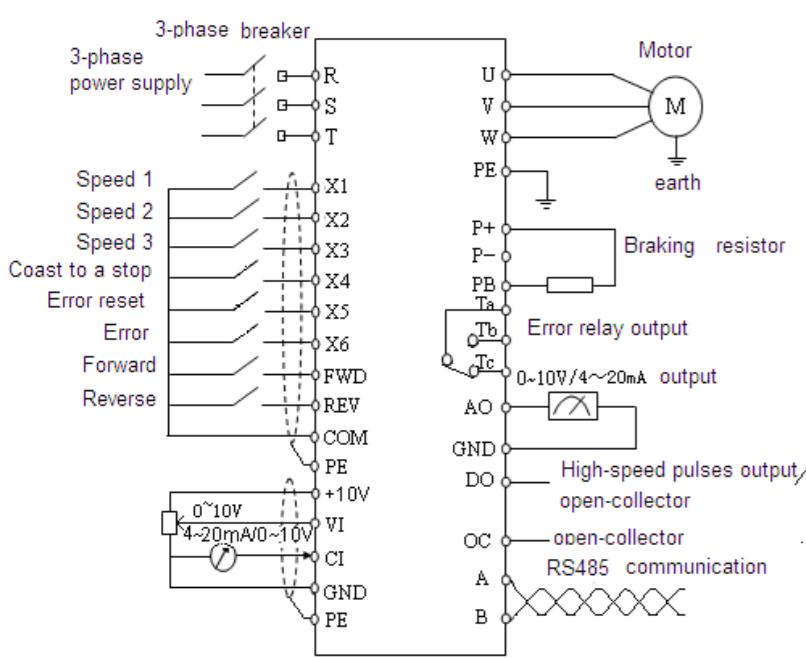
More details please refer to the following diagram:

Mode	W	D1	L	D2	H	D3
V5-4011						
V5-4015	230	120	420	160	218	400
V5-4018						

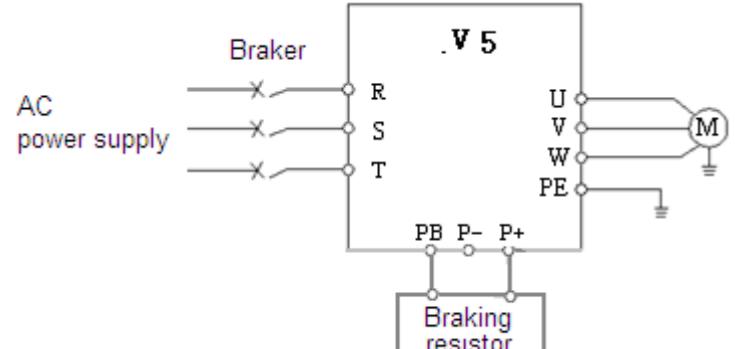
3 Wiring

Please pay attention to the main circuit and control circuit when do the wiring on AC inverters and refer to the following diagram(the diagram as below is the standard wiring picture). The control circuit is idle during the operation by the digital panel.

(Note: V5-4 inverter as a standard 3-phase type connect to power supply with R,T,S terminals)



Wiring on main circuit



Terminals on control circuit

A 24V X1 X3 X5 FWD REV DO AO VI 10V



Terminal	Name	Description
A	RS485 Terminal	RS485 differential signal “+”
B		RS485 differential signal “-”
OC	Open-collector output terminal	Digital output terminal can be defined with programmable function, more details refer to parameters P4.10(common terminal:COM)
DO	Open-collector pulse output/ Open-collector output terminal	Digital output terminal can be defined with programmable function, more details refer to parameters P4.20,P4.21(common terminal:COM)

VI	Analog signal input VI	Receive analog input signal (voltage) (earth: GND)
CI	Analog signal input CI	Receive analog input signal (voltage/current) (earth: GND)
AO	Analog signal output AO	Voltage or current analog signal is selected by Jumper JP2,the default setting is voltage which can indicate 7 values.
FWD	Forward	Selected by switch command, details refer to P4.08
REV	Reverse	
X1 ~X6	Multi-function input terminal	Digital input terminal can be defined with programmable function, more details refer to parameters P4 group(common terminal:COM)
24V	Power terminal+24V	Provide +24V power supply(cathode:COM)
10V	Power terminal+10V	Provide +10V power supply(cathode:GND)
GND	Common terminal+10V	As reference signal of analog signal and +10v power
COM	Common terminal+24V	As common terminal of digital input and output signal
PE	Shield terminal	Shield terminal

Please pay attention to the following suggestions:

- Make sure the power has been completely cut off for more than 10 minutes when you do the wiring, or else there is risk of electric shock.
- Do separating operation the power line and the inverter output terminal U, V, W.
- Inverters and motor should be grounding because of leakage current within itself. It is advised to use ordinary copper wire whose diameter is above, 3.5mm² and grounding resistance is less than 10Ω
- All inverters have completely passed the pressure test .
- Contactor and absorption of electromagnetic or other resistance-capacitance capacitor absorbing device can not be installed between the inverter and the motor
- Please connect inverter to power supply through circuit breaker. In order to protect well in the case of over-current and power off.
- Please use shielded twisted wire or cable whose diameter is more than 0.75 mm² when do the wiring on connection between relay and output circuit ,leave one terminal into the space and the other connect to the COM terminal, ensure the wiring line is less than 50m.
- Do the separation on the main circuit and control circuit wiring, if necessary cross the intersection with 90°.

Function of jumpers

No.	Function	Setting	Default value
JP1	Selection on power supply of pulse output terminal D0.	Connect 1-2:power supplied from external. Connect 2-3:power supplied from inverter internal 24V	Power supplied from external
JP2	Analog signal output selection terminal (voltage/current)	Connect 1-2:, current signal output 4~20mA Connect 2-3:,voltage signal output 0~10V	0~10V
JP3	CI input signal selection terminal(selection/current/voltage)	Connect 1-2:V side, voltage signal input 0~10V. Connect 2-3:1 side, current signal input 4~20mA.	4~20mA

4 Parameters Setting(Refer to attached table)

5 Specification

Electric Specification

Name V5-4	011	015	018
Matched motor(KW)	11	15	18.5
Rated current(A)	25.0	33.0	38.0
Rated voltage(V)	AC380		
Frequency Range	0~500		
Frequency Resolution(Hz)	0.01		
Over-loading Ability	150%Rated Current for 1 minutes, 180% Rated Current for 1 second		
Rated Voltage/Frequency	three-phase 380V/50/60Hz		
AC voltage permit fluctuate range	Voltage: -20% ~ +20% Voltage Unbalance Rate: <3%		
Frequency fluctuate Range	Frequency: ±5%		
Power Capacity (KVA)	15.0	20.0	25.0

Common Characteristics

Environment	Application environment	In-door, free from direct sunlight, dust, corrosive gas, oil mist, steam, water drop etc
	Elevation	Lower than 1000m (The inverter should be derated when the elevation is higher than 1000m)
	Ambient Temperature	-10°C ~ +40°C
	Humidity	Less than 90%RH, No dry bulb
Structure	Vibration	Less than 5.9 m/s ² (0.6M)
	Storage Temperature	-20°C ~ +60°C
	Protect Configuration	IP20(In the state of "state display units" or "keyboard")
	Cooling Manner	Fan cooling
Installation		Surface mounted or install inside cabinet

General Specification

Main Function	Modulation mode	Space Optimized, voltage vector SVPWM modulation
	Frequency precision	Digital Setting: max frequency×±0.01%; Analog Setting: max frequency×±0.2%
	Frequency resolution	Digital Setting: 0.01Hz; Analog Setting: max frequency×0.1%
	Start frequency	0.40Hz~20.00Hz
	Torque boost	Auto torque boost, manual torque boost 0.1%~30.0%
	V/FFFF curve	Five modes: constant torque V/F curve, 1 V/F curve mode by user and 3 kinds of torque-de-rating modes (2nd power, 1.7th power, 1.2nd power)
	Accelerate/Decelerate curve	Two modes: linear Acc/Dec, S curve Acc/Dec; seven kinds of Acc/Dec time (Maximum:6000 minutes) and unit(minute or second) is selectable
	DC braking	Initial frequency of DC braking: 0~15.00Hz Braking time: 0~60.0 s Braking current: 0~80%
	Power consumption braking	Power consumption unit inside, can be connected with external braking resistor
	Jog	Range of jog frequency: 0.1Hz~50.00Hz, Acc/Dec time of jog operation 0.1~60.0s
Main Function	Internal PI	Be able to form close loop control system easily
	Multi-step speed running	Multi-step speed running can be realized by internal PLC or control terminals
	Textile wobble frequency	Adjustable preset frequency and center frequency
	Auto voltage regulation (AVR)	When the power system voltage changes, maintain the constant of output voltage
	Auto energy saving	V/F curve is optimized automatically according to the load condition to realize energy saving operation
	Auto current limiting	running current is limited automatically to avoid trip caused by over-current
	Fix-length control	The frequency inverter will stop when reaching the fixed length
	Communication	With RS485 port, support Modbus-RTU protocol. Be with

“○”: Means the parameters can be modified during running.

“×”: Means the parameters don't be allowed to be modified during running

“*”: Read only, can't be modified

Basic parameters (Group P0)

Group P0:Basic Parameters					
Code	Name	Range	Unit	Default setting	Note
P0.00	Control mode	0: V/F control 1 : Open-loop vector control	1	0	×
P0.01	Frequency setting mode	Setting modes can be selected ,including: potentiometer setting mode; & keys setting mode; digital function code setting mode; serial port setting mode; UP/DOWN terminal setting mode; analog voltage setting; analog current setting; pulse setting; combination setting;	1	0	○
P0.02	Digital input channel	Forward/Reverse running command: 6 channels programmable digital input, can set 35 kinds of function, X6 support 0~20KHz pulse output			
P0.03	Analog input channel	channel analog input , 4~20mA and 0~10V can be selected			
P0.04	Analog output channel	1 channel analog output, 4~20mA, 0~10V can be selected			
P0.05	Digital output channel	Programmable open-collector output,1 channel; relay output signal,1 channel			
P0.06	LED Display	indicate parameters: frequency ,output voltage, output current and so on.			
P0.07	connected device display	Indicate physical quantities, such as output frequency, output current, output voltage and so on			
P0.08	key Lock	Lock all the keys			
P0.09	Parameter Copy	Copy function parameters between two inverters by remote control(developing)			
P0.10	protect function	Over current protection: over voltage protection; under voltage protection; over heat protection; over load protection			
P0.11	Option parts	extension cable of			

P1.08	Frequency value on reference of CL.	0.00~upper limit frequency	0.01Hz	0.00Hz	○
P1.09	Max. reference of CL.	P1.07 ~10.00V	0.01V	10.00V	○
P1.10	Frequency value on 0.00~upper-limit frequency	0.01Hz	50.00Hz	○	
P1.11	Max. reference of CL.	0.1~20.0K	0.1K	10.0K	○
P1.12	Max. frequency of input PULSE.	0.1~P1.14 (Max. reference of PULSE.)	0.1K	0.1K	○
P1.13	Frequency value on Min. reference of PLUSE.	0.00~upper-limit frequency	0.01Hz	0.00Hz	○
P1.14	Max. reference of PULSE.	P1.12 (Min. reference of PLUSE.) ~ P1.11 (Max. frequency of input PULSE)	0.1K	10.0K	○
P1.15	Frequency value on Max. reference of PLUSE.	0.00~upper-limit frequency	0.01Hz	50.00Hz	○
P1.16	Input mode of CI	0: 4~20mA 1: 0~10V	-	0	○

Starting & Braking Parameters(Group2)

P2 Group: starting and braking parameters

Code	Name	Setting Range	Unit	Default setting	Note
P2.00	Starting mode	0:Start from the starting frequency 1: Brake first and then start from the starting frequency 2:Restart on speed checking	1	0	×
P2.01	Starting frequency	0.20~20.00Hz	0.01Hz	0.50Hz	○
P2.02	Holding time of starting frequency	0.0~30.0s	0.1s	0.0s	○
P2.03	DC injection braking current at start	0.0~80.0%	0.1%	0%	○
P2.04	DC injection braking time at start	0.0~60.0s	0.1s	0.0s	○
P2.05	Stopping mode	0:Dec-to-stop 1:Coast-to-stop 2:Dec-to-stop +DC braking	1	0	×
P2.06	DC injection braking initial frequency at stop	0.0~15.00Hz	0.0Hz	3.00Hz	○
P2.07	DC injection braking waiting time at stop	0.0~60.0s	0.1s	0.0s	○
P2.08	DC injection braking current at stop	0.0~80.0%	0.1%	0.0%	○

Auxiliary running parameters(Group3)

Group P3: Auxiliary running parameters

Code	Name	Setting range	Unit	Default setting	Note
P3.00	Combination setting of frequency input	0:VI+CI 1:VI-CI 2:External pulse reference + VI + Increase/Decrease key reference 3:External pulse reference - VI - Increase/Decrease key reference 4:External pulse reference+C1 5:External pulse reference-C1 6:RS485 + VI + Increase/Decrease key reference 7:RS485 - VI - Increase/Decrease Key reference 8:RS485 + CI + Increase/Decrease key reference 9:RS485 - CI - Increase/Decrease key reference 10:RS485+CI+External pulse reference 11:RS485-CI-External pulse reference 12:RS485+VI+External pulse reference 13:RS485-VI-External pulse reference 14:VI + CI + Increase/Decrease key reference+Digital setting 15:VI + CI - Increase/Decrease key reference+Digital setting 16:MAX {VI, CI} 17:MIN {VI, CI} 18:MAX {VI, CI, PULSE} 19:MIN {VI, CI, PULSE} 20:VI, CI, value is valid except zero,VI has priority	1	0	×
P3.40	Runtime setting Accumulating time	0~65.535K hours	0.001K	0.000K	○
P3.41	Parameters display setting1	0000~FFFF Unit's place: b-09~b-12 Ten's place: b-13~b-16 Hundred's place: b-17~b-20 Thousand's place: b-21~b-24	1	0000	○
P3.42	Parameters display setting 2	0000~FFFF Unit's place: b-25~b-28 Ten's place: b-29~b-32 Hundred's place: b-33~b-36 Thousand's place: b-37~b-40	1	0000	○
P3.43	Parameters display setting 3	0000~4040 Ten's place, unit's place : stop Parameters display setting Thousand's place, hundred's place : run Parameters display setting	1	0001	○
P3.44	Display coefficient without unit	0.1~60.0	0.1	1.0	○
P3.45	JOG/REV control mode	0: select JOG to start jog 1: select REV start reverse	1	0	×

		0:Broadcast address 248:Take inverter as the host (in developing)			
P3.11	Communication detection overtime	0.0~1000.0s 0.0: Detection is not available	0.1s	0.0s	×
P3.12	Delay time of response	0~1000ms	1	5ms	×
P3.13	proportion of communication frequency	0.01~1.00	0.01	1.00	×
P3.14	ACC time2	0.1~6000.0	0.1	10.0	○
P3.15	Dec time2	0.1~6000.0	0.1	10.0	○
P3.16	ACC time3	0.1~6000.0	0.1	10.0	○
P3.17	Dec time 3	0.1~6000.0	0.1	10.0	○
P3.18	ACC time4	0.1~6000.0	0.1	10.0	○
P3.19	Dec time 4	0.1~6000.0	0.1	10.0	○
P3.20	ACC time 5	0.1~6000.0	0.1	10.0	○
P3.21	Dec time 5	0.1~6000.0	0.1	10.0	○
P3.22	ACC time 6	0.1~6000.0	0.1	10.0	○
P3.23	Dec time 6	0.1~6000.0	0.1	10.0	○
P3.24	ACC time 7	0.1~6000.0	0.1	10.0	○
P3.25	Dec time 7	0.1~6000.0	0.1	10.0	○
P3.26	Multi-frequency 1	Lower-limit frequency ~ Upper-limit frequency	0.01Hz	5.00Hz	○
P3.27	Multi-frequency 2	Lower-limit frequency ~ Upper-limit frequency	0.01Hz	10.00Hz	○
P3.28	Multi-frequency 3	Lower-limit frequency ~ Upper-limit frequency	0.01Hz	20.00Hz	○
P3.29	Multi-frequency 4	Lower-limit frequency ~ Upper-limit frequency	0.01Hz	30.00Hz	○
P3.30	Multi-frequency 5	Lower-limit frequency ~ Upper-limit frequency	0.01Hz	40.00Hz	○
P3.31	Multi-frequency 6	Lower-limit frequency ~ Upper-limit frequency	0.01Hz	45.00Hz	○
P3.32	Multi-frequency 7	Lower-limit frequency ~ Upper-limit frequency	0.01Hz	50.00Hz	○
P3.33	Skip frequency1	0.00~500.00Hz	0.01Hz	0.00Hz	×
P3.34	Range of Skip frequency1	0.00~30.00Hz	0.01Hz	0.00Hz	×
P3.35	Skip frequency2	0.00~500.00Hz	0.01Hz	0.00Hz	×
P3.36	Range of Skip frequency 2	0.00~30.00Hz	0.01Hz	0.00Hz	×
P3.37	Skip frequency3	0.00~500.00Hz	0.01Hz	0.00Hz	×
P3.38	Range of Skip frequency 3	0.00~30.00Hz	0.01Hz	0.00Hz	×
P3.39	Runtime setting	0~65.535K hours	0.001K	0.000K	○
P3.40	Runtime Accumulating time	0~65.535K hours	0.001K	0.000K	*
P3.41	Parameters display setting1	0000~FFFF Unit's place: b-09~b-12 Ten's place: b-13~b-16 Hundred's place: b-17~b-20 Thousand's place: b-21~b-24	1	0000	○
P3.42	Parameters display setting 2	0000~FFFF Unit's place: b-25~b-28 Ten's place: b-29~b-32 Hundred's place: b-33~b-36 Thousand's place: b-37~b-40	1	0000	○
P3.43	Parameters display setting 3	0000~4040 Ten's place, unit's place : stop Parameters display setting Thousand's place, hundred's place : run Parameters display setting	1	0001	○
P3.44	Display coefficient without unit	0.1~60.0	0.1	1.0	○
P3.45	JOG/REV control mode	0: select JOG to start jog 1: select REV start reverse	1	0	×

Parameters of Terminal function (Group4)					
P4: Parameters of Terminal Function					
Code	Name	Setting range	Unit	Default setting	Note
P4.00	Terminal setting X1 function	0: Idle 1:Multi-segment speed control terminal 1 2: Multi-segment speed control terminal 2 3: Multi-segment speed control terminal3 4: External terminal for forward jog operation 5: External terminal for reverse jog operation 6: Acc/Dec time terminal 1 7: Acc/Dec time terminal 2 8: Acc/Dec time terminal 3 9: control with 3-leads 10: Input for coasting to a stop(FRS) 11: External stop command 12: DC injection braking command DB 13:Prohibit of Inverter running. 14:Increase frequency reference (UP) 15: Frequency reference(down) (DOWN) Decrease 16: Acc/Dec prohibit 17:External resetting input(remove alarm) 18: Alarm of external device input(open contact) 19: Frequency setting selection 1 20: Frequency setting selection 2 21: Frequency setting selection 3 22: Change control mode from command to terminal 23:command control model 24: command control model1 2 25: Start Pendulum Frequency 26: Reset Pendulum Frequency 27: Close-loop is not available 28: stop reference by PLC 29: PLC is not available 30:Reset the PLC stop status 31: Frequency reference is input via CI 32: Counter trigger signal input 33: Counter clean signal input	1	1	×
P4.18	Gain of analog output(AO)	0.50~2.00	0.01	1.00	○
P4.19	AO Output mode	0.4~20mA 1.0~10V	-	1	○
P4.20	DO Output mode	0:Output frequency(0~upper-limit frequency) 1:Output current (0~2 times of motor's rated current) 2:Output voltage (0~1.2 times of inverter's rated voltage) 3:Bus voltage (0~800V) 4:PID reference 5:PID feedback 6:VI (0~10V) 7:CI (0~10V/4~20mA)	1	0	○
P4.21	Max .value of pulse output (DO)	0.1K~20.0K (Max.20KHz)	0.1KHz	10.0KHz	○

		34: External interrupt input 35: Pulse frequency input (only X6 is available) 36: Actual length clearing input			
P4.01	Function setting for terminal X2	same as above	1	2	×
P4.02	Function setting for terminal X3	As above	1	3	×
P4.03	Function setting for terminal X4	As above	1	10	×
P4.04	Function setting for terminal X5	As above	1	17	×
P4.05	Function setting for terminal X6	As above	1	18	×
P4.06	Fwd function setting for X7	As above	1	0	×
P4.07	REV function setting for X8	As above	1	0	×
P4.08	FWD/REV running mode	0.control mode with 2-leads1 1:control mode with 2-leads 2 2:control mode with 3-leads 1 3:control mode with 3-leads 2	1	0	×
P4.09	UP/DOWN speed	0.01~99.99Hz/s	0.01	1.00Hz/s	○
P4.10	Bi-direction open-collector terminal OC	0:Inverter running (RUN) 1:Frequency arriving signal (FAR) 2:Frequency detection threshold (FDT1) 3:Frequency detection threshold (FDT2) 4:Overload pre-alarm (

P8.00	Simple PLC operation mode selection	0000~1113 Unit's place: mode selection 0:Disabled 1:Stop after single cycle of operation 2:Holding at the final value after single cycle of operation 3:Operate continuously Ten's place: PLC restarting mode after stopping 0:Run again from stage 1 1:Continue to run from the stopping stage Hundred's place: Save at power off 0:Not saving 1:Save the time and frequency at power off Thousands' place :Selecting the unit of time 0:second 1:minute	1	0000	x
P8.01	Stage 1 setup	000~621 Unit's place of LED: frequency setup 0: Multi i (i=1~7) 1: Frequency is decide by P0.01 Ten's place of LED : Operating direction selection 0: Run forward 1: Run reverse 2: Decided by operating instructions Hundred's place of LED: Acc/Dec time selection 0: Acc/Dec time 1 1: Acc/Dec time 2 2: Acc/Dec time 3 3: Acc/Dec time 4 4: Acc/Dec time 5 5: Acc/Dec time 6 6: Acc/Dec time 7	1	000	o
P8.02	Operating time in stage 1	0.1~6000.0	0.1	10.0	o
P8.03	Stage 2 setup	000~621	1	000	o
P8.04	Operating time in stage 1	0.1~6000.0	0.1	10.0	o
P8.05	Stage 2 setup	000~621	1	000	o
P8.06	Operating time in stage 1	0.1~6000.0	0.1	10.0	o
P8.07	Stage 2 setup	000~621	1	000	o
P8.08	Operating time in stage 1	0.1~6000.0	0.1	10.0	o
P8.09	Stage 2 setup	000~621	1	000	o
P8.10	Operating time in stage 1	0.1~6000.0	0.1	10.0	o
P8.11	Stage 2 setup	000~621	1	000	o
P8.12	Operating time in stage 1	0.1~6000.0	0.1	10.0	o
P8.13	Stage 2 setup	000~621	1	000	o
P8.14	Operating time in stage 1	0.1~6000.0	0.1	10.0	o

Wobble and measure function parameters (Group 9)

Group 9: Traverse and measure function parameters (Group 9)					
Code	Name	Setting range	Unit	Default setting	Note
P9.00	Wobble function selection	0:Disabled 1:Enabled	1	0	x
P9.01	Wobble operation control mode	00~11 Unit's place of LED: Start mode 0:Auto mode 1:Manual mode Ten's place of LED: Amplitude control 0:Variable amplitude 1:Fixed amplitude	1	00	x
P9.02	Pre-wobble frequency	0.00~500.00Hz	0.01Hz	0.00Hz	o
P9.03	Waiting time for pre-traverse frequency	0.0~3600.0s	0.1s	0.0s	o
P9.04	Wobble operating amplitude	0.0~50.0%	0.1%	0.0%	o
P9.05	Jitter frequency	0.0~50.0% (with reference to P9.04)	0.1%	0.0%	o
P9.06	Traverse operating cycle	0.1~999.9s	0.1s	10.0s	o
P9.07	Rising time of trangle wave	0.0~98.0% (period of wobble)	0.1%	50.0%	o
P9.08	Reference length	0.000~65.535 (km)	0.001km	0.000km	o
P9.09	Actual length	0.0~65.535km (can be saved when power off) Saving at power off	0.001km	0.000km	o
P9.10	Times of length	0.001~30.000	0.001	1.000	o
P9.11	correction coefficient of length	0.001~1.000	0.001	1.000	o
P9.12	Perimeter of shaft	0.01~100.00cm	0.01cm	10.00cm	o
P9.13	Number of pulses per revolution	1~9999	1	1	o

Vector control parameters PA

Group PA: Vector control parameters					
Code	Name	Setting range	Unit	Default setting	Note
PA.00	Motor auto-tun	0:No tune 1:auto tune	1	0	x
PA.01	Rated voltage of motor	0~400V	1	Dependent on inverter's model	x
PA.02	Rated current of motor	0.01~500.00A	0.01A	Dependent on inverter's model	x
PA.03	Rated frequency of motor	1~99Hz	1Hz	Dependent on inverter's model	x
PA.04	Rated rotated speed of motor	1~9999 r/min	1r/min	Dependent on inverter's model	x
PA.05	Polarity of motor	2~48	1	Dependent on inverter's model	x
PA.06	Stator inductance of motor	0.1~5000.0mH	0.1mH	Dependent on inverter's model	x

PA.07	Rotor inductance of motor	0.1~5000.0mH	0.1mH	Dependent on inverter's model	x
PA.08	Exciting induction of motor	0.1~5000.0mH	0.1mH	Dependent on inverter's model	x
PA.09	Stator resistance of motor	0.001~50.000Ω	0.001Ω	Dependent on inverter's model	x
PA.10	Rotor resistance of motor	0.001~50.000Ω	0.001Ω	Dependent on inverter's model	x
PA.11	Over current protection coefficient of torque	0~15	1	15	x
PA.12	Percentage adjustment coefficient of speed deviation	50~120	1	85	x
PA.13	Integral adjustment coefficient of speed deviation	100~500	1	360	x
PA.14	Vector torque boost	100~150	1	110	x
PA.15	Reserve	0	0	0	x
PA.16	Reserve	1~5	1	4	x
PA.17	Excitation	100~150	1	120	x
PA.18	Compensating tactortor	0%~150%	1	100%	x
PA.19	Reserve	0~2	1	0	x

Special Application function parameters PB

Group PB: Special Application function parameters					
Code	Name	Setting range	Unit	Default setting	Note
PB.00	Jog frequency source	0~4 0.P3.06 1:Panel potentiometer 2:P0.02 3:VI 4:CI	0	0	o
PB.01	Selection of forward/ reverse dead time	0, 1 0:Dead time is enabled (Min 0.1S) 1:Dead time can be set to 0 (P0.05=0.0S, P0.20≥0.5Hz is needed)	1	0	o
PB.02	Inverter selection type	0:G type(normal) 1:P type(wind machine, water pump, power increases 1 level) Note: set as 1, P0.22 must set to 3.	1	0	x
PB.03	Short the run point before power on, set the run mode	0:after inverter is power on, run immediately 1:after inverter is power on, cut off the point and connect again to run	1	1	x

Factory setting (Group PF)

Group PF: Factory Setting					
Code	Name	Setting range	Unit	Default setting	Note
PF.00	Default password	-	-	-	*
PF.01	User's password	0-With no password protection 0001 — 9999: password protection	1	0000	o
PF.02	Software version	-	-	-	*
PF.03~PF.10	Reserve	-	-	-	*

B-Monitor function parameters

Code	Name	Description	Unit	Default setting	Note
b-00	Output frequency	Present output frequency	0.01Hz	*	
b-01	Reference frequency	Present reference frequency	0.01Hz	*	
b-02	Output voltage	Valid value of present output voltage	1V	*	
b-03	Output current	Valid value of present output current	0.1A	*	
b-04	Bus voltage	Present DC bus voltage	1V	*	
b-05	Module temperature	IGBT Temperature of radiator	10C	*	
b-06	Motor overload speed	Current speed of motor	1r/min	*	
b-07	Operating time	One continues operating time of inverter	1hour	*	
b-08	Input/output terminal's status	Digital input/output terminal's status	—	*	
b-10	Analog input CI	Value of analog input CI	0.01V	*	
b-11	External pulse input	Input value of external pulse range	1ms	*	
b-12	Inverter rated current	Inverter rated current	0.1A	*	
b-13	Inverter rated voltage	Inverter rated voltage	1V	*	
b-14	Display without unit	Display without unit	1	*	
b-15	Inverter power class	Inverter power class	-	*	
b-16	Display present counter value	Display present counter value	-	*	
b-17	Reserve	-	-	*	
b-18	Reserve	-	-	*	
b-40	Reserve	-	-	*	

7 Communication parameter

Name	Address	Function
Internal parameters setting	GGnnH	GG means parameter group NO., nn means parameters NO.
Command to inverter (06H)	2000H	0001H:Run command (forward) 0002H:Forward running command 0003H:Reverse running command 0004H:Jog command(forward) 0005H: Jog forward running command 0006H: Jog reverse running command 0007H:Dec to a stop