XINJE VH1 series general frequency converter

Software fast manual

Thank you for using this product. This fast manual provides relevant information about VH1 series variable frequency drives. Please read this manual carefully before use to ensure the correctness of installation and use. More detailed information about VH1 series frequency converter (parameters, alarms, etc.) can be found in the VH1 frequency inverter manual.

The use of the operation panel

Keyboard layout

The operation panel and control terminal of the frequency converter can control the starting, speed regulating, stopping, braking, operation parameter setting and peripheral equipment of the motor.

The appearance of the operation panel is shown in the figure below.



Keyboard function description

There are 8 keys on the frequency converter operation panel, and the functions are defined as follows:

Button	Name	Function		
MENU	Programming/ exit	Enter or exit the programming status		
ENT	Save/switch	Save the parameter or enter next menu in programming status		
	Forward run	Press this button to run forward in operation panel running command mode		
STOP	Stop/reset	Stop/reset the fault		
	Increase	Increase the value or pause frequency in operation		
	Decrease	Decrease the value or pause frequency in operation		
	Shift/monitor	In the editing state, you can choose to set the modification bit of the data; in other states, you can switch the display state and monitor parameters		
-* 0 -	Frequency setting	The operating frequency is timed by the panel potentiometer to adjust the frequency.		

■ LED and indicator description

There are 5-digit 7-segment LED digital tubes, 4 status indicators and 4 unit indicators on the inverter operation panel.

The four status indicators are located above the LED tube, from left to right: RUN, REV, REMOT, TUNE. The following table describes the indicator lights.

Indicator lights	Meaning	Function
DUN	On anotion in diastan	ON: running
KUN	Operation indicator	OFF: stop
	Forward/reverse operation	ON: reverse operation
REV	in director	OFF: forward operation
	Indicator	Flashing: status switching
		OFF: panel start/stop
REMOT	Command source indicator	ON: terminal start/stop
		Flashing: communication start/stop

		Flash slowly: tuning status	
TUNE	Tuning indicator	Flash quickly: fault status	
		ON: torque status	
The four unit indica R/MIN. The follow	ators are located below the L ing table is a description of	ED digital tube, from left to right: V, A, Hz, unit indicators.	
Indicator lights	Meaning	Function	
V	Voltage	ON: Display voltage	
А	Current	ON: Display current	
Hz	Frequency	OFF: Display frequency	
DAIN	Su - 1/0/	ON: Display speed	
K/MIIN	Speed/%	Flash: Display %	
Paramet	ter setting example		
LED 50.00	-P0PCPCPC-00	PC-00 05.00 05.00	
Button parameter operation display			
status E le	inter edit, Select Confirm how first parameter enter th vel menu PC second level men	a, Select Confirm Select the e PC-00 and enter parameter the fuird bit nu level menu	



In the three-level menu, if the parameter has no flashing bit, it means that the parameter cannot be modified. The possible reasons are as follows:

1) The parameters are not modifiable, such as the actual detection state parameters, operation record parameters, etc; 2) This parameter can not be modified in the running state, and can be modified only after

shutdown.

Common parameter

Group P0: Basic operation parameters					
Parameter	Name	Setting range	Default value		
P0-01	First motor control mode	0: VF control mode 1: No speed sensor vector control (SVC)	0		
P0-02	Operation command channel selection	0: Operate panel 1: Terminal 2: Communication port	0		
Р0-03	Main frequency source A selection	0: Digital set (Power-off no memory) 1: Digital set (Power-off memory) 2: AII 3: AI2 4: Body panel knob set 5: Terminal pulse X4 set 6: Communication set 7: Multi-segment instruction set 8: PID set 9: Simple PLC operation 10: Special mode for drawing and winding 11:External pilot panel knob set	0		
P0-04	Auxiliary frequency source B selection	0: Digital set (Power-off no memory) 1: Digital set (Power-off memory) 2: All	0		

Parameter	Name	Setting range	Default		Parameter	Name	Setting range	Default
		2.472	value	┥┝				value
		3: AI2					0.0~6500.0s (PC-09=1)	setting
		4: Body panel knob set					0.00~650.00s (PC-09=2)	
		5: Terminal pulse X4 set					Ones bit: running direction	
		6: Communication set					0: Run in the default direction	
		7: Multi-segment instruction set					1: Run in the opposite direction to the	
		8: PID set			P0-20	Operation direction	default direction	00
		9: Simple PLC operation					Tens bit: Disable Inversion	
		10: Special mode for drawing and					0: Invalid	
		winding					1: Valid	
		11 External pilot panel knob set					0: Valid	
		On as hits fragman as source colorian		+	P0-21	Reverse frequency disable	1. Investid	0
							1: invalid	
		0: Main frequency source A			P0-22	Dead time of forward and	0.0s~3600.0s	0.0s
		1: Calculation results of main and				reverse rotation		
		auxiliary frequency sources				Run-time frequency	0: Operating frequency	
		2: Switching between main frequency			P0-23	instruction UP/DOWN	1: Set frequency	0
	Fraquancy source	source A and auxiliary frequency				benchmark	1. Set nequency	
P0-05	mequency source	source B	00			Motor parameter group	0: Motor parameter group 1	
	superposition selection	Tens bit: the operation relationship of			P0-25	selection	1: Motor parameter group 2	0
		main and auxiliary frequency sources						
		0: A+B			Grou	up P2: Input termi	nal function parameters	
		1: A-B			Parameter	Name	Setting range	Default
		2: max (A B)						value
		2. min (A, D)			P2-00	Input terminal X1	0: No function	01
		5. mm (А, В)				function selection	1: FWD or Run command	
	Auxiliary frequency source	0: Relative to the maximum frequency					2: REV or FWD/REV direction	
P0-06	B range selection	1: Relative to the main frequency	0				(Note: when it is set to 1 or 2, it should be	
		source A					used with P2-10. See the parameter for	
P0-07	Auxiliary frequency source	0%~150%	100%				details)	
1007	B range	0/0 150/0	10070				3: Three wire mode operation	
D 0.00	Digital set of auxiliary		0.0077				4: Forward jog (FJOG)	
P0-09	frequency source offset	0.00Hz~max frequency P0-13	0.00Hz				6: Terminal UP	
P0-10	Preset frequency	0.00Hz~max frequency P0-13	50.00Hz	1			7: Terminal DOWN	
	Frequency shutdown						8: LIP/DOWN setting clear	
DO 12	momony solution for digital	0: No memory	1				9: Free ston	
F0-12	memory selection for digitar	1: Memory	1				10: Fault reset	
	set						11: Frequency source switching	
P0-13	Max output frequency	50.00Hz~600.00Hz	50.00Hz				12: Multi-segment command terminal 1	
		0: Set by P0-15				Input terminal X4	13: Multi-segment command terminal 2	
		1: AI1 set			P2-03	function selection	14: Multi-segment command terminal 3	00
D0 14	Upper limit frequency	2: AI2 set	0				15: Multi-segment command terminal 4	
P0-14	source	3: Body panel knob set	0				16: Acc/Dec time terminal 1	
		4: Pulse set					17: Acc/Dec time terminal 2	
		5: Communication set					18: Acc/Dec prohibited	
		Lower frequency P0-17~Max output		1			19: Pulse input	
P0-15	Upper limit frequency	frequency P0-13	50.00Hz				20: Counter input	
	Unnon limit for any 00 -	0.00Hz May (D0.10)	0.0011	$\left \right $			21: Counter reset	
P0-16	opper limit frequency offset	0.00Fiz~ Max output frequency (P0-13)	0.00Hz	$\left \right $			22: Length counter input	
P0-17	Lower frequency	0.00Hz~ Upper limit frequency P0-15	0.00Hz				23: Length counter reset	
		0~65000s (PC-09=0)	Model				24: Swing frequency pause	
P0-18	Acceleration time 1	0.0~6500.0s (PC-09=1)	setting				25: Operation pause	
		0.00~650.00s (PC-09=2)	soung				26: PLC status reset	
P0-19	Deceleration time 1	0~65000s (PC-09=0)	Model				27: Run command switch to keyboard	
		1	I	-			28: Run command switch to communication	

Parameter	Name	Setting range	Default value
		0.0~6500.0s (PC-09=1)	setting
		0.00~650.00s (PC-09=2)	
		Ones bit: running direction	
		0: Run in the default direction	
		1: Run in the opposite direction to the	
P0-20	Operation direction	default direction	00
		Tens bit: Disable Inversion	
		0: Invalid	
		1: Valid	
P0-21	Reverse frequency disable	0: Valid	0
10-21	Reverse nequency disable	1: Invalid	0
P0-22	Dead time of forward and	0.0s~3600.0s	0.0s
	reverse rotation		
	Run-time frequency	0: Operating frequency	
P0-23	instruction UP/DOWN	1: Set frequency	0
	benchmark		
P0-25	Motor parameter group	0: Motor parameter group 1	0
10-20	selection	1: Motor parameter group 2	U

Parameter	Name	Satting range	Default	Doromatar	Name	Satting range	Default			3: 24	00BPS	
1 arameter	Ivanie	Setting range	value	1 arameter	Ivanie	Setting range	value			4:48	00BPS	
		29: Torque control prohibited			AI curve 2 max setting					5: 96	00BPS	
		30: Switch between speed control and torque		P2-25	corresponding frequency	-100.0%~+100.0%	100.0%			6: 19	200BPS	
		control			percentage					0: No	parity (8-N-2)	
		32: PID pause		P2-26	AI curve 3 min setting	0.00V~P2-28	0V			1: Ex	en parity (8-E-1)	
		33: PID reverse direction of action			AI curve 3 min setting			P9-03	MODBUS data for	nat	ld parity (8-0-1)	1
		34: PID integral pause		P2-27	corresponding frequency	-100.0%~+100.0%	0.0%			2. 00	a parity (8 N 1) (Modbus vali	0
		35: PID parameter switching			percentage					5. 10	parity (8-14-1)(Modous value	
		36: External fault normally open input		P2-28	AI curve 3 max setting	P2-26~+10.00V	10.00V	P9-04	Communication tir	neout 0.0: 1	invalid	0.0
		37: External fault normally close input			AI curve 3 max setting					0.1~0	50.0s	
		38: User-defined fault 1		P2-29	corresponding frequency	-100.0%~+100.0%	100.0%	P9-05	MODBUS respons	e delay 0~20	ms (Modbus valid)	2
		39: User-defined fault 2			percentage			■ Com	mon monito	ring param	eters	
		40: Motor parameter selection				Ones bit: AI1 curve selection		Monitoring pa	rameter	с. С	ontent	Unit
		41: Switch between main frequency X and				1: Curve 1 (2 points, see P2-18 ~ P2-21)		U0-00		Operation	1 frequency	Hz
		to a scholar with a scholar with the sch				2: Curve 2 (2 points, see P2-22 ~ P2-25)		LI0-01		Setting	frequency	Hz
		42: Switch between auxiliary frequency Y		P2-54	AI curve selection	3: Curve 3 (2 points, see P2-26 ~ P2-29)	321	10.02		D	l	112
		42. Encourage atting affinition terminal				4: Curve 4 (4 points, see P2-30 ~ P2-37)		U0-02		Busv	/oltage	V
		43: Frequency setting effective terminal				5: Curve 5 (4 points, see P2-38 ~ P2-45)		U0-03		Output	t current	А
		44: DC braking				Tens bit: AI2 curve selection, ditto		U0-04		Output	voltage	V
		45. Emergency stop				Ones bit: AI1 below minimum input setting		U0-06		Outpu	t power	KW
		40: Emergency stop				selection			mon ouvilio			
		panel control)		P2-55	AI below minimum	0: Corresponding minimum input setting	000			y paramete		
		48. External terminal ston (according to Dec			input setting selection	1: 0.0%		Function code	Instructions	0. No oporati	Set value	
		time 4)				Tens bit: Al2 below minimum input setting						
		49: Reverse run prohibited		D2 56	A I1 filter time constant	selection	0.10a		Parameter	1: Kestore ta	. Restore factory parameters, motor parameters and values c	
		50: The running time is cleared		F2-30	All filter time constant	0.005~10.005	0.108	P8-02		P0-13 and P0-15 are not included		
		51: Two wire / three wire switching		P2-57	Al2 filter time constant	0.00s~10.00s	0.10s			2: Clear recor	linformation	
		0: Two wire mode 1		P2-60	AI1 jump point	-100.0%~+100.0%	0.0%			3: Restore factory parameters (including motor parameters)		
	XI terminal command	1: Two wire mode 2		P2-61	AI1 jump range	0.0%~100.0%	0.5%	Mot	or narameter	self learni	19	
P2-10	mode	2: Three wire mode 1	0	P2-62	AI2 jump point	-100.0%~+100.0%	0.0%	When the in	verter operates ir	vector control	(P0-01 = 1) mode, it is	required to set
		3: Three wire mode 2		P2-63	AI2 jump range	0.0%~100.0%	0.5%	correct moto	r parameters, wh	ich is different	from VF (P0-01 = 0) m	ode.
	XI terminal UP/DOWN			P2-66	PULSE min setting	0.00kHz~P2-68	0.00kHz	Demonstern	- F,,,,,,,,,,,,,,,,,,	· · · · · ·	Cotorial Cotorial	
P2-11	changing rate	0.001Hz/s~50.000Hz/s	1.000Hz/s		PULSE min setting			P1-00	Motor ty	e selection	0: Common async	uc
P2-12	XI terminal filtering time	0.000s~1.000s	0.010s	P2-67	corresponding frequency	-100 0%~+100 0%	0.0%	11-00		e selection		
P2-13	X1 delay time	0.0s~3600.0s	0.0s	12.07	percentage		01070	P1-01	Model sett		tting	
		0: Low level valid		D2 (0	DI LI GE	P2 (((0.0) H	50.00111					
		1: High level valid		P2-68	PULSE max setting	P2-66~50.0kHz	50.00kHz	P1-02	Motor ra	ed voltage	Model se	tting
		Ones bit: X1			PULSE max setting			P1-03	Motor ra	ed current	Model se	tting
P2-16	XI terminal effective	Tens bit: X2	00000	P2-69	corresponding frequency	-100.0%~+100.0%	100.0%	P1-04	Motor rate	d frequency	Model se	tting
	state selection 1	Hundreds bit: X3			percentage			P1-05	Motor ra	ted speed	Model se	tting
		Thousands bit: X4		P2 70	PULSE filter time	0.005-10.005	0.10s	1. Set motor pa	rameters, P0-02=0.			
		Ten thousands bit: X5		F2-70	constant	0.005~10.005	0.108	2. P1-35, choos	se the right self-learr	ing method.		
P2-18	AI curve 1 min setting	0.00V~P2-20	0.00V	Note: Specific	parameter setting, please ref	fer to 'VH1 Series Frequency User Manual'.		3. Press the RU	N key on the panel	o start parameter s	elf-learning.	
	AI curve 1 min setting				un DO. Communio	tion nonomotors		Parameters	;	Name	Set v	alue
P2-19	corresponding frequency	-100.0%~+100.0%	0.0%				DCk				0: No operation	
	percentage			Parameter	Name	Setting range	Default				1: Static self learning	l(part of parameters)
P2-20	AI curve 1 max setting	P2-18~+10.00V	10.00V		Serial communication		value	P1-35	Motor pa	ameter self learnir	2: Motor rotation self-	learning
	AI curve 1 max setting			P9-00		0: Modbus-RTU protocol	0				3: Static self learning	2
P2-21	corresponding frequency	-100.0%~+100.0%	100.0%		protocol selection		 					-
	percentage			P9-01	Local address	0: Broadcast address	1	Note: Specific	parameter setting,	lease refer to 'VI	11 Series Frequency User M	anual'.
P2-22	AI curve 2 min setting	0.00V~P2-24	0.00V			1 ~ 247 (Modbus valid)		Alarm a	nalysis			
	AI curve 2 min setting					Ones bit: MODBUS			4 al	• • • • •		
P2-23	corresponding frequency	-100.0%~+100.0%	0.0%	D0.00	Communit di 1 di 1	0: 300BPS		When the in	t alarm pro verter is abnorm	:essing al. the LED di	gital tube will display	he function code
	percentage			P9-02	Communication baud rate	1: 600BPS	06	and its conte	nt of the corresp	onding fault, th	e fault relay will act, an	the inverter will
P2-24	AI curve 2 max setting	P2-22~+10.00V	10.00V			2: 1200BPS		stop output. rotating. The	possible fault ty	n the motor is	crotating, it will stop fr by converter are shown i	eery until it stops n the table.

Code	Name	Reason	Solution
		1. There is grounding or short	
		circuit in the output circuit of	
		frequency converter	1. Remove peripheral faults
		2 The control mode is vector	2. Tuning of motor parameters
		control without parameter tuning	3. Increase acceleration time
		3 The acceleration time is too	4. Adjust the manual lifting torque or
		short	VF curve
Emr01	Acceleration over	4. Improper monual tergue lifting	5. Adjust the voltage to the normal
EIIUI	current	4. Improper manual torque mung	range
		5. The surface is law.	6. Select speed tracking start or wait
		5. The voltage is low	until the motor stops
		6. Start the rotating motor	7. Cancel sudden loading
		7. Sudden loading during	8. Choose the frequency converter
		acceleration	with higher power level
		8. The selection of frequency	
		converter is too small	
		1. There is grounding or short	
		circuit in the output circuit of	
		frequency converter	1. Remove peripheral faults
		2. The control mode is vector	2. Tuning of motor parameters
		control without parameter tuning	3. Increase deceleration time
Err02	Deceleration over	3. The deceleration time is too	4. Adjust the voltage to the normal
	current	short	range
		4. The voltage is low	5. Cancel sudden loading
		5. Sudden loading during	6. Add brake unit and resistor
		deceleration	
		6. There is no additional brake	
		unit and brake resistor	
		1. There is grounding or short	
		circuit in the output circuit of	1. Remove peripheral faults
		frequency converter	2 Tuning of motor parameters
		2. The control mode is vector	3 Adjust the voltage to the normal
Err03	Constant speed	control without self learning	range
2.1100	over current	3. The voltage is low	4. Cancel sudden loading
		4. Is there sudden load in	5. Choose the frequency converter
		operation	with higher power level
		5. The selection of frequency	whit higher power lever
		converter is too small	
		1. High input voltage	1. Adjust the voltage to the normal
		2. There is external force to drive	range
Em04	Acceleration	the motor during acceleration	2. Cancel additional force or add brake
EII04	overvoltage	3. Acceleration time too short	resistor
		4. There is no additional brake	3. Increase acceleration time
		unit and brake resistor	4. Add brake unit and resistor
		1. High input voltage	1. Adjust the voltage to the normal
		2. There is external force to drive	range
E05	Deceleration	the motor during deceleration	2. Cancel additional force or add brake
EII03	overvoltage	3. Deceleration time too short	resistor
		4. There is no additional brake	3. Increase deceleration time
		unit and brake resistor	4. Add brake unit and resistor
		1. High input voltage	1. Adjust the voltage to the normal
	Constant speed	2. In the process of operation,	range
Err06	over voltage	there is external force to drive	2. Cancel additional force or add brake
		the motor	resistor
		1. Unstable supply voltage	1. Adjust the voltage to the normal
Err07	Buffer resistance	2. The main control board is	range
	overload fault	abnormal	2. Contact us

Code	Name	Reason	Solution
		1. Instantaneous power failure	
		2. The input voltage of frequency	
		converter is not in the range of	1. Reset fault
		specification requirements	2. Adjust the voltage to the normal
Err08	Under voltage	3. Abnormal bus voltage	range
	_	4.Abnormal rectifier bridge and	3. Contact us
		buffer resistance	
		5. Abnormal drive board	
		6. Abnormal control board	
		1. Whether the load is too large	1. Reduce the load and check the
		or the motor stalls	motor and mechanical condition
Err09	VFD overload	2. The selection of frequency	2. Choose the frequency converter
		converter is too small	with higher power level
		1. Is the setting of motor	
		protection parameters	1. Set this parameter correctly
		appropriate	2. Reduce the load and check the
Err10	Motor overload	2. Whether the load is too large	motor and mechanical condition
		or the motor stalls	3. Choose the frequency converter
		3. The selection of frequency	with higher power level
		converter is too small	
		1. Abnormal three-phase input	
		nower supply	
		 Abnormal drive board 	1 Check and eliminate problems in
Frr11	Innut lack phase	3 Abnormal lightning protection	nerinheral circuit
LIIII	input new phase	board	2 Contact us
		4 The main control board is	2. Condition dis
		abnormal	
		1 The lead from inverter to	
		motor is abnormal	1. Remove peripheral faults
		2 The three-phase output of	2. Check whether the three-phase
Err12	Output lack phase	inverter is unbalanced when the	winding of the motor is normal and
LIIIZ	Output lack pliase	motor is running	remove the fault
		3 Abnormal drive board	3. Contact us
		4 Module is abnormal	
		1. The ambient temperature is	
		too high	1. Reduce the ambient temperature
	Overheated radiator	2 Air duct blocked	2. Clean the air duct
Err13	/ modulo	3. The fan is demograd	3. Replace the fan
/ module		A Module thermister demograd	4. Replace the thermistor
		5 Inverter module damaged	5. Replace inverter module
		1 Abnormal drive board and	1 Replace the drive board or power
Fre14	Contactor fault	nower supply	hoard
L1114	Contactor fault	2 The contactor is abnormal	2 Replace the contactor
	Current detection	1 Check the Hall device	1 Replace Hall element
Err15	fault	2 Abnormal drive board	2 Replace the drive plate
	iaun	1 The motor parameters are not	1 Set the motor parameters correctly
		set according to the nemerlate	according to the name plate
Err16	Motor tuning fault	2 Parameter tunic and	2 Check the load from investor (
		2. ratameter tuning process	2. Check use lead from inverter to
	Short simult fail	lincout	
Err18	Snort circuit fault	Motor short circuit to ground	Replace motor or cable
	ot motor to ground		
			Confirm whether the load is separated
Err19	Load drop	VFD operation current is lower	or whether the P7-61 and P7-62
		than P'/-61	parameter settings conform to the
			actual operating conditions
Err20	Wave by wave	1. Whether the load is too large	1. Reduce the load and check the

Code	Name	Reason	Solution			
	current limiting	or the motor stalls	motor and mechanical condition			
	fault	2. The selection of frequency	2. Choose the frequency converter			
		converter is too small	with higher power level			
		The deviation between the motor	Re-determine the motor parameters,			
Err21	Pole position	parameters and the actual value	focusing on whether the motor rated			
	detection failed	is too large	current is too small			
			1. Increase acceleration and			
Err23	Brake resistance	Output current too high	deceleration time			
	short circuit		2. Reduce the load			
		1. Excessive load	1. Reduce the load			
Err26	SVC stall fault	2. Torque limit too small (P6-11)	2. Increase torque limit			
		1. Input the signal of external	A			
		fault through multi-function				
Err43	External fault	terminal X	Reset and run again			
		2. Input external fault signal				
		through virtual Y function				
		1 The upper computer is not				
		working properly				
		2. The communication cable is	1. Check the upper computer wiring			
Frr44	Communication	abnormal	2. Check the communication cable			
	(timeout) fault	3 Incorrect setting of	3. Setting communication parameters			
		communication parameter group	correctly			
		PC				
	EEPROM read					
Err45	write error	EEPROM chip damaged	Replace the main circuit board			
		The accumulated running time	Use the parameter initialization			
Err46	Operation time	reaches the set value	function to clear the record			
	arrival		information			
		The accumulated power on time	Use the parameter initialization			
Err47	Power on time	reaches the set value	function to clear the record			
	arrival		information			
		1. Input user-defined fault 1				
		signal through multi-function				
		terminal X				
Err48	User defined fault 1	2. Input user defined fault 1	Reset and run again			
		signal through virtual IO				
		function				
		1. Input user-defined fault 2				
		signal through multi-function				
		terminal X				
Err49	User defined fault 2	2. Input user defined fault 2	Reset and run again			
		signal through virtual IO				
		function				
	PID feedback lost	PID feedback is less than P7-27	Check PID feedback signal or set			
Err50	in operation	setting value	P7-27 to an appropriate value			
	1	In the process of inverter	11 1			
	Switch motor in	operation, change the current	Switch the motor after the frequency			
Err51	operation	motor selection through the	converter stops			
	-Permion	terminal	· F ^{.9}			
		1. Encoder parameter setting	1. Setting encoder parameters			
		incorrect	correctly			
		2 Motor blocked	2 Check whether the machine is			
Errss	Speed offset too	3 Incorrect LIVW winner	abnormal			
EI132	large	5. meorece 0 v w wiring	3 Check whether the winner between			
			fraguency converter and			
			nequency converter and motor is			
			abnormal			

Code	Name	Reason	Solution
Err53	Motor overspeed fault	 Incorrect setting of encoding parameters The motor is not tuned Unreasonable setting of motor over speed detection parameters P7-63 and P7-64 Loose wiring of temperature sensor 	 Setting encoder parameters correctly Tuning correctly Set reasonable parameters according to the actual situation Check the wiring of temperature sensor
Err54	fault	2. Motor temperature too high	2. Reduce the carrier wave or take other measures to dissipate the motor heat.
Err56	Power on lock time	Power on time arrival	When the usage time arrives, please
Note: S	reached	ation, please refer to 'VH1 Series	Frequency User Manual'.



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