Canroon

C/	V800 Serie	es Multi - Function Vector Control Inverter
1.1	Technical Index	and Specification
=	Rated Voltage, Frequency	3-phase (4T) 380V; 47 ~ 63Hz 1-phase (2S) 220V; 47 ~ 63Hz
Input	Allowed Voltage Range	3-phase (4T) 320V ~ 480V 1-phase (2S) 160V ~ 260V
	Voltage	4T: 0 ~ 480V 2S: 0 ~ 260V

7	Range	1-phase (2S) 160V	
	Voltage	4T: 0 ~ 480V 2S: 0 ~ 260V	
Output	Frequency	0 ~ 999.9Hz	
put	Overload Capacity	10% for long-term 150% for 1 min 180% for 5s	
Cor	ntrol Mode	V/F Control / Advan / Torque control	ced V/F control / Simple vector control / Advanced vector control
	Frequency Setting	Analog Input	0.1% of maximum output frequency
	Resolution	Digital Setting	0.1Hz
	Frequency	Analog Input	Within 0.2% of maximum output frequency
	Precision	Digital Setting	Within 0.01% of set output frequency
		V/F Curve (voltage frequency character)	Reference frequency setting 5 \sim 600 Hz, multipoint V/F curve setting, or fixed curve of constant torque, low decreasing torque 1, low decreasing torque 2, square torque
			Manual setting: 0.0 ~ 30% of rated output
Control	V/F Control	Torque Compensation	Automatic lifting: automatically determine the lifting torque based on the output current combined with the motor parameters
<u>5</u>		Automatic	During acceleration, deceleration or steady running, detect

Con	trol Mode	/Torque control	ced V/F control / Simple vector control / Advanced vector control
	Frequency Setting	Analog Input	0.1% of maximum output frequency
	Resolution	Digital Setting	0.1Hz
	Frequency	Analog Input	Within 0.2% of maximum output frequency
	Precision	Digital Setting	Within 0.01% of set output frequency
		V/F Curve (voltage frequency character)	Reference frequency setting 5 ~ 600 Hz, multipoint V/F curve setting, or fixed curve of constant torque, low decreasing torque 1, low decreasing torque 2, square torque
			Manual setting: 0.0 ~ 30% of rated output
Cont	V/F Control	Torque Compensation	Automatic lifting: automatically determine the lifting torque based on the output current combined with the motor parameters
Control Character		Automatic Current-limiting and Voltage-limiting	During acceleration, deceleration or steady running, detect automatically the current and voltage of motor stator, and control it within bounds based on unique algorithm, minimize fault-trip chance
er		Voltage Frequency Character	Adjust pressure/frequency ratio according to motor parameter and unique algorithm
			Starting torque
	Senseless Vector Control	Torque Character	100% rated torque at 5.0 Hz (V/F Control)
			150% rated torque at 1.5 Hz (simple vector control)
	1		·

=			
trol Character		Automatic Current-limiting and Voltage-limiting	During acceleration, deceleration or steady running, detec automatically the current and voltage of motor stator, and control it within bounds based on unique algorithm, minin fault-trip chance
er		Voltage Frequency Character	Adjust pressure/frequency ratio according to motor parameter and unique algorithm
			Starting torque
	Senseless Vector Control	Torque Character	100% rated torque at 5.0 Hz (V/F Control)
	100101 00111101		150% rated torque at 1.5 Hz (simple vector control)
		Current and Voltage Restrain	Current closed-loop control, free from current impact, perfect restrain function of overcurrent and overvoltage
	Undervoltage Restrain during Running	allowable voltage ra	with a low or unsteady voltage power grid: even lower than ange, the system can maintain the longest possible operatir nique algorithm and residual energy allocation strategy
	Multi-velocity and Traverse Operation	7-segment program optional	nmable multi-velocity control, multiple operating modes a
	PID Control		ler (able to preset frequency). Standard configuration RS48
	RS485 Communication	communication fun synchronizing contr	ction, multiple communication protocol for choice, rol function.
	Frequency	Analog Input	Direct voltage 0~10V, direct current 0~20mA (optional up limit and lower limit)
	Setting	Digital Output	Operation panel setting, RS485 port setting, UP/DW termi control, or combined with analog input
		Digital Output	1 channel OC output and one channel relay output (TA, TB TC), up to 14 choices
Typica	Output Signal	Analog Input	1 channel analog signal output, output ranging within $0\sim20$ mA or $0\sim10V$ with flexibly setting, achievable outpu of physical quantities like set frequency, output frequency
Typical Function	Automatic Steady-voltage Operation	Dynamic steady sta obtain the steadiest	te, static steady state, and unsteady voltage for choices to a operation
ă	Acceleration and Deceleration	0.1S ~ 999.9min cor	ntinuous setting

Braking Braking time: 0.0~30.0s; Braking current: 0.0%~50.0% of rated current Halt DC braking initial frequency: 0.00 ~ 【F0.05】 upper limit frequency

Running Output frequency, output current, output voltage, motor speed, set frequency, module temperature, PID setting, feedback, analog input and output.

DC voltage and module temperature etc 6 running parameters record.

Overcurrent, overvoltage, undervoltage, module fault, electric thermal relay,

ontrol of progressive increase and decrease, failure recovery automatically, etc.

A built-in counter, facilitate system integration

Protective Function overheat, short circuit, default phase of input and output, motor parameter

djustment abnormality, internal memory fault, etc.

F3 Group - PIN Parameters

Setting Range

LED one's place: PID adjustment characteristics 0: Invalid

Name

F3.00 PID function setting

Minimum Unit Factory Setting Modification

0000~2122 1010

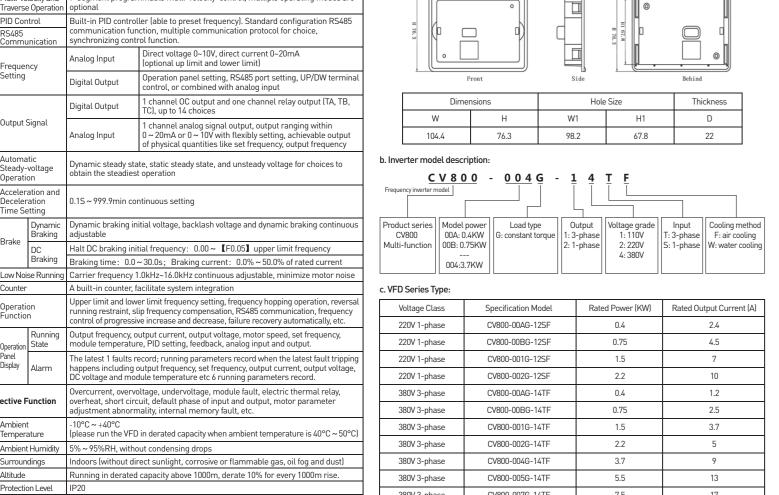
F4.00 Motor's rated voltage

1.02 Motor's rated speed

Motor's rated freq.

g of motor parameters

0.1 ~ 999.9A Model setting ×
0 ~ 9999RPM Model setting ×



2. Installation and wiring

Electric chock and fire hazard.

Electric chock and fire hazard.

Electric shock and fire hazard.

Electric shock hazard.

Injury and fire hazard.

2.2 Outline

discharged completely.

I. Ensure the power has been cut off before wiring.

3. Earth terminals must be reliable grounded.

(380V class: especially the third grounding)

Electric shock and short circuit hazard.

There is a danger of electric shock.

It may cause internal damage to VFD.

a. Appearance and Dimension of Keypad

2. Ask electric engineering professionals to conduct wiring.

Injury risk (wiring responsibility should be beard by users).

There should be no short circuit between output terminals.

Hazard of residual voltage in electrolytic capacitor.

4. Check if its action is effective after emergency brake terminal is connected.

5. Do not touch output terminals directly. The output terminal is connected directly to motor.

8. Non-professional technicians, please do not carry out inspection and maintenance work.

I. Check if the voltage of power inlet wire agrees with rated input voltage of VFD.

2. Connect brake resistor or brake unit according to wiring diagram.

4. Do not connect the power input wire to output U, V, W terminals. It will cause internal damage to VFD if load the voltage on output terminals.

3. Choose screw driver and wrench with specified torque to fasten terminals

6. Install the terminal cover before power on, and ensure power off when dismantling the terminal cover.

7. Conduct check and maintenance after 5~8 minutes after power off when internal residual electricity is

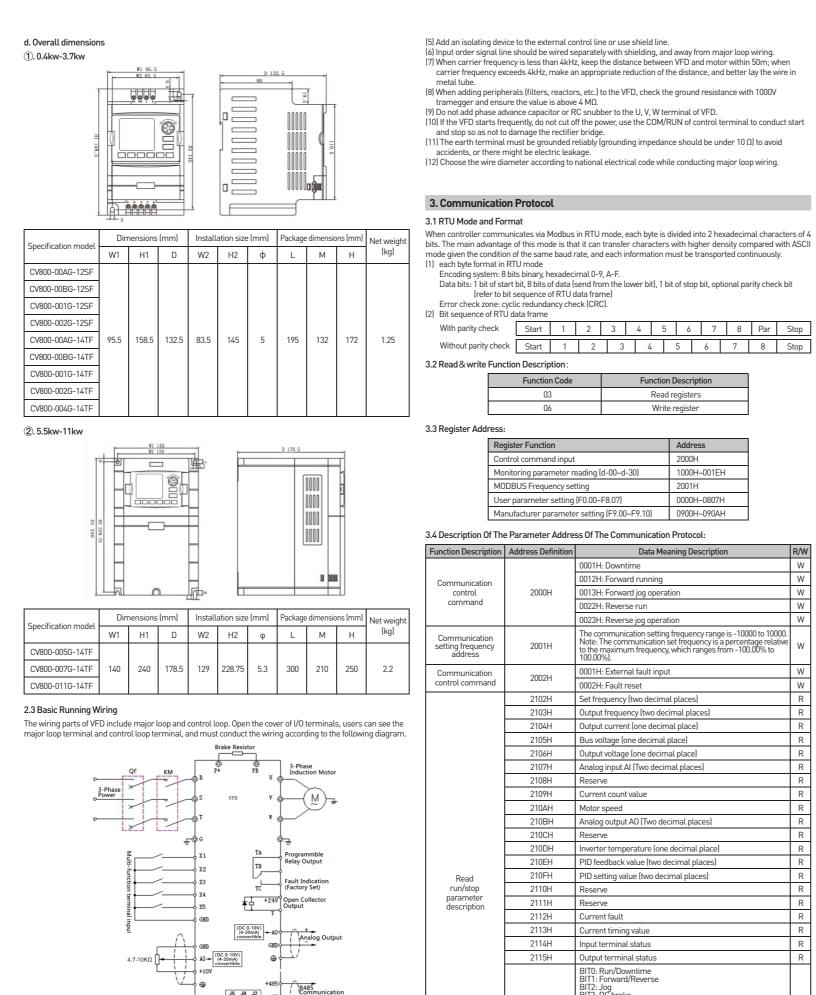
/ CAUTION

5. Do not dismantle the front panel cover, only the terminal cover needs to be dismantled when wiring.

/4 DANGER

2.1 Installation Precautions





Targue compand 0: Keyboard number given tion Name Setting Range Minimum Unit Cattley 1	(1) Cut (2) Swit (3) To re con	ching of motor or work fr educe the effect of EMI (el nector and relay are close	O while dismantling and changing the motor: equency power supply should only be conductectromagnetic interference), add a surge abset o VFD. er to output terminal U, V, W of VFD.						21	16H	BITU: Kun/Jowntime BITT: Forward/Reverse BITZ: Jog BITT: Sorward/Reverse BITT: Do'brake BITT: Reserve BITT: Overvoltage limit BITT: Covercurrent limit BITT8-9: 00-Zero speed/01-Speed Uniform speed BITT0: Overload pre-alarm BITT1: Reserve BITT12-13 Run command channe 10-communication 10-communication BITT14-15 Bus voltage status: 00- protection/10-Over voltage proter	d up/10-slow down/ el: 00-panel/01-term	ninal/	R
No.	-		,			$\overline{}$	E5.02		rotection	This function	n code specifies the lower limit			×
Aug			1: Full effective			\vdash	1 0.02			normally.			360V	
Manufactions Manu			0: auto control mode			\mathbf{H}	F5.03		ctor in	of the inver	ter to suppress over-voltage		1	×
Fig. Math local interval Set The fault all conditions street.	F4.08	Auto reset times	When the fault resets is set to 0, there is no automatic reset function, only manual	0 ~ 10	0	×	F5.04	Overvoltage lim	it level	operating v protection	oltage for overvoltage stall			×
Fig. December Starting	F4.09	Auto reset interval	limited, that is, countless times.	0.5 ~ 25.0s	3.0s	×	F5.05		ctor in	of the vfd to	suppress overcurrent during		10	×
Fig. 12 Control and many control and	F4.10		the initial voltage of dynamic braking, the			0	F5.06	Constant speed	l current	of the inver-	ter to suppress overcurrent		0	×
Fig. Commission Commissio	F4.11	Action ratio of	resistor connected, the pumping voltage energy will be released via the brake			0			ıdo	The current	limit level defines the current	1 7 10		
Fig. 1904 mode 1 1 1 1 1 1 1 1 1		Overmodulation	0: Invalid			×	F5.07		ude	action, and	its set value is relative to the	50% ~ 200%	160%	×
August Sign permanental per la price speed of course by some per la price per l			0: Full frequency seven segment 1: Full frequency five segment			\vdash	F5.08		nnection	PID. When to continues to disconnecti	the feedback value of the PID be less than the feedback on detection value, the VFD will	0.0 ~ 100.0%	0.0%	×
Facility Continue content			the speed will decrease. The use of slip							according to	the setting of F5.00. It is			
Fig. 50 Compression	F4.14		close to its synchronous speed, so that the motor speed control accuracy is higher.	0 ~ 200%	100%	×	F5.09	Detection time feedback discor	of nnection			0.1 ~ 999.9s	10.0s	×
Fact			and simple vector.			\blacksquare	F5.10			overload pr	e-alarm action, the set value is	0 ~ 150%	120%	0
Fig. 20 Seed Reging (Sett)	F4.15	Slip compensation mode	Low frequency compensation Note: This parameter is only valid for advanced V/F invalid	0~1	0	×	F5.11			The output of longer than (F5.10), and	current of the VFD is continuously the overload pre-alarm level the delay time between the	0.0 ~ 15.0s	5.0s	×
Early Moder return residence Part Pa		self-learning	immediately after startup, after ending				F5.12	Jog priority ena	ble	0: Invalid 1: When th	e vfd is running, the jog priority	0~1	0	×
Fa.19 Moder attains returner moderation and presentation moderation of the comparison of the corresponding of the production in progression moderation and production approaches moderation of the production of the pr	\vdash					-	F5.13	Oscillation suppose	oression	thousand e	ffective, turn on the oscillation	0 ~ 200	30	0
Wild a conjugation from the properties of the section of the properties of the properties of the section of the properties of the prope	F4.19		are automatically updated to the motor	0.00 ~ 200.00mH		0	F5.14		oression	setting the	oscillation suppression	0~12	5	0
Fa.21 Speed Ring (ASR1) proportional of the control of the contro	F4.20		power.	0.00 ~ 200.00mH		0	F5.15			oscillation s	suppression coefficient F5.13,	0.0 ~ 【F5.16】	5.0Hz	0
Page	F4.21			1 ~ 100	30	×	F5.16			set; if it enc	ounters special occasions, it	(F5.15) ~ (F0.05)	45.0Hz	0
misgration from control received from the speed response proportions gain proportions of the vector control can be changed. F4.27 Votor slip compensation in the vector control mode, this parameter for the vector control mode, this parameter ship properties of the vector control can be changed. F4.28 Votor slip compensation in the vector control mode, this parameter ship properties of the vector control mode, this parameter ship properties of the vector control mode, this parameter ship properties of the vector control mode, this parameter ship properties of the vector control mode, this parameter ship properties of the vector control mode, this parameter ship properties of the vector control mode, this parameter ship properties of the vector control mode, this parameter ship properties of the vector control mode, the properties of the vector control mode, the properties of the vector control mode, the properties of the vector control mode, and the properties of the vector control mode. F4.29 Reserve —		integration time	vector control mode.			Ш				0: invalid '	lace: Acceleration selection			
Face Speed Righ (SASP2) for interpretation time Face Seed with high requestry in the vector control mode, this parameter. Face Seed with high requestry in the vector control mode, this parameter. Face Seed in this request of the motor with the motor is successful to disjust the speed stability accuracy of the motor with the motor is successful to disjust the speed stability accuracy of the motor with the motor is successful to disjust the speed stability accuracy of the motor with the motor is successful to the parameter. Face Seed ring filter time constant Face Reserve — — 0 • Face Res		Speed Ring (ASR2)	integral time I, the speed response			\Box				LED ten's p 0: invalid	lace: Slow down selection			
F4.28 Switch high frequency In the vector control mode, this parameter's compensation of the speed stability of the speed in speed i		Speed Ring (ASR2)	changed.	0.01 ~ 10.00s	1.00	0	F5.17		current	LED Hundr constant sp	ed's place: eed selection	000 ~ 111	1011	×
F4.27 Vector slip compensation Source of the additive the speed stability Solid the speed stability	F4.26	<u> </u>		【F4.23】~320.0Hz	10.0	X				1: valid LED thousa				
Fa.28 Reserve — — — — — — — — — — — — — — — — — — —	F4.27		is used to adjust the speed stability accuracy of the motor. When the motor is overloaded and the speed is low, increase this parameter; otherwise, decrease this	50% ~ 200%	100	0				0: Invalid 1: Valid When the ra	etio of the maximum value to the			
LED one place: Both from the maximum value to 0.0 - 1.00.5 1.00 - 1.00 - 1.00 1.00 1.00 - 1.00 1.00 - 1.00 1.00 - 1.00 1.00	F4.28		Set the speed ring filter time constant	0.000 ~ 1.000s	0.010	0	F5.18	protection deter	ction	the duration reports the	exceeds 6 seconds, the inverter output current imbalance fault	0.00 ~ 20.00	2.00	0
Fa.31 Torque command selection 2. Reserve 0. 0 - 2 0 × 0. 1 A. 1 A. 2. Reserve 1. 1 Sould rated current of the motor 2. Reserve 1. 1 A. 2. Search 2. Reserve 1. 2. 0 × 0. 2. 0 ×			This setting value is a percentage of the	-		\vdash		F/ -	- ^	loss protect	ion is invalid.			
1. Al 2 Reserve 0 - 2 0 X	F4.30		rated current of the motor	0.0% ~ 200.0%	150.0	0				nunication Pa			Factory	Modi-
F4.32 Torque digital given This setting value is a percentage of the motor rated current of the motor F4.33 Torque control forward maximum frequency F4.34 Torque control forward maximum frequency F4.35 Torque ontrol forward maximum frequency F4.36 Torque fise time F4.36 Torque fise time F4.37 Torque ontrol forward maximum frequency F4.38 Torque fise time F4.39 Torque fise time F4.30 Torque fise from the maximum value to the torque rises from 0 to the maximum value or falls from the maximum value or falls	F4.31		1: Al ´	0~2	0	×	Code			Set the loca	<u> </u>		_	don
F4.3d maximum frequency F4.4d Torque control reverse operating frequency of the inverter under torque control neverse maximum frequency F4.3d Torque control reverse maximum frequency F4.3d Torque fall time defines the time when the torque rises from 0 to the maximum value to 0 0.0 - 1.00 0.00 0.00 0.00 0.00 0.00 0	F4.32	Torque digital given			150.0	0	F6.UU	Lucal address		address. LED one's p	place: Baud rate selection	U~ 24/	<u> </u>	×
F4.34 Torque control reverse under torque control mode. 0.0 - 3200.0Hz 50.0 ○ F4.35 Torque fiste time Torque rises from 0 to the maximum value or falls from the fall from the falls from the falls from the falls from the fall from the falls from the fall from the falls from the falls from the fall from the fall from the falls from the fall fro	F4.33			0.0 ~ 3200.0Hz	50.0	0				1: 19200BF	S			
F4.35 Torque rises time Iorque rises from 1 to the maximum walue or falls from the maximum value to 0 0.00 ~ 1.00s 0.00 0.0	F4.34		under torque control mode.	0.0 ~ 3200.0Hz	50.0	0				0: no parity				
Function Name Setting Range Minimum Unit Factory fication Setting LED one place: motor overload protection selection 0: invalid 1: valid LED ten digits: Protect action and free stop LED Hundred place: 485 Communication Failure Processing 0: Protect action and free stop 1: Alarm but maintain the status operation 2: Alarm and stop according to the set mode LED Thousand place: 0: motor overload protection selection 0: invalid 1: Protect action and free stop 1: Alarm and stop according to the set mode LED Thousand place: 0: Motor overload This function code defines the intermediate time interval between the end of the data frame reception of the inverter and the response data frame sent by the host computer. If the response data frame sent by the host computer, if the response data frame sent by the host computer, if the response data frame sent by the host computer, if the response time is less than the system processing time, the system	-		the torque rises from 0 to the maximum value or falls from the maximum value to 0			$\overline{}$	F6.01	communication	1	2: odd parit LED Hundr Communic	y ed's place: ation Response	0000 ~ 0322	0000	×
ED one place: motor overload protection selection 0: invalid 1: valid LED ten digits: PlD feedback disconnection protection 0: invalid 1: Protect action and free stop LED Hundred place: 485 Communication Failure Processing 0: Protection settings 0: Protect action and free stop 1: Alarm but maintain the status operation 2: Alarm and stop according to the set mode LED Thousand place: 0: Alarm but maintain the status operation 0: invalid 1: Valid 1: Protect action and free stop LED Hundred place: 485 Communication Failure Processing 0: Protection settings 1: Alarm but maintain the status operation 2: Alarm and stop according to the set mode LED Thousand place: 0: invalid 1: valid This function code defines the intermediate time interval between the end of the data frame reception of the inverter and the response data frame reception of the inverter	Func-	Name		Minimum Unit	Factory	£:				1: only resp 2: Not resp	ond to the slave address onding			
F5.00 Protection settings Protection settings F5.00 Protection settings F6.02 Communication in the current operation according to the setting of the communication failure action mode; When the value is set to 0.0, no RS485 communication failure action mode; When the value is set to 0.0, no RS485 communication timeout is detected. F6.02 Communication timeout detect F6.02 Communication timeout detect F6.03 Response delay F6.05 In the full does not receive the correct data signal within the time interval details a signal within the time interval		Hume	LED one place:	Pilliniani Onic	Setting					command o	of the host in broadcast mode			
Oscillation suppression option 0: invalid 1: valid The factor is the percentage of motor rated current to the rated output current of the processing fixed the system processing time, the system processing time, the system of the inverter and the response data frame sent by the host computer. If the response time is less than the system processing time, the system of the inverter and the response time is less than the system processing time, the system of the inverter and the response time is less than the system processing time, the system of the inverter and the response time is less than the system processing time, the system of the response time is less than the system processing time, the system of the response data frame sent by the host computer. If the response time is less than the system processing time, the system of the response time is less than the system processing time, the system of the response time is less than the system processing time, the system of the response time is less than the system processing time, the system of the response time is less than the system processing time, the system processing time, the system of the response time is less than the system processing time, the system of the response time is less than the system processing time, the system processing time, the system of the response time is less than the system processing time, the system of the response time is less than the system processing time, the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less than the system of the response time is less	F5.00	Protection settings	motor overload protection selection 0: invalid 1: valid LED ten digits: PID feedback disconnection protection 0: invalid 1: Protect action and free stop LED Hundred place: 485 Communication Failure Processing 0: Protect action and free stop 1: Alarm but maintain the status operation 2: Alarm and stop according to the set mode LED Thousand place:	0000 ~ 1211	0001	×	F6.02		1	signal withi this function the commu inverter wil maintain th to the settir action mod no RS485 c detected.	n the time interval defined by no code, then the unit thinks that nication has failed, and the decide whether to protect or e current operation according g of the communication failure; When the value is set to 0.0, ommunication timeout is node defines the intermediate	0.1 ~ 100.0s	10.0s	×
PROPRIES THE CONTRACTOR OF THE	F5.01		Oscillation suppression option 0: invalid 1: valid The factor is the percentage of motor rated current to the rated output current of the	30% ~ 110%	100%	×	F6.03	Response delay	′	frame rece response d computer. I the system	otion of the inverter and the eta frame sent by the host of the response time is less than processing time, the system	0 ~ 200ms	5ms	×

Read run/stop parameter description	2101H	Bit0: Run Bit1: Downtime Bit2: Jog Bit3: Forward Bit4: Reverse Bit5-Bit7: Reserved Bit8: Communication give Bit9: Analog signal input Bit10: Communication rur Bit11: Parameter lock Bit12: running Bit13: Jog command Bit14-Bit15: Reserved			R		iotor can not Dec successfully
		00: No abnormality 01: Module failure 02: Over-voltage					
		03: Temperature failure 04: Inverter overload 05: Motor overload 06: External fault 07-09: Reserved 10: Overcurrent in accelen 11: Overcurrent in deceler					notor can rotate, but regulation can't be ed.
Read the fault code description	2100H	12: Overcurrent in deceen 12: Overcurrent in constan 13: Reserved 14: Undervoltage 15: Reserve 16: RS485 Communication 17: Burst tube failure 18: Reserve	it speed		R		l changing during running
		19: Dual CPU communical 20: Reserve 21: Reserve 22: Current detection failu 23: Reserve 24: Reserve					otation direction of is in reverse
		25: Output phase loss					
3.5 03 Read Function	Mode:		Address	01	Н	5. Fu	nction Parame
Inquiry information fra	me format (send fra	me):	Function	03	Н		
Analysis of this segme	nt data:		6 1. 11	21	Н	NOTE:	Madifiable access
01H is the addres	s of the driver		Starting data address	02	:H	×	Modifiable paramet Not modifiable para
03H read function			Data (2Byte)	00	IH		The actual detected
2102H is start addre			Data (ZDyte)	02	:H	V=-	- Factory parameter,
0002H read the nu F76FH is 16 bits of CF		and 2102H and 2103H	CRC CHK Low	6F	H	_	
170111 15 10 513 01 01	to check code		CRC CHK High	F7	'H	Func- tion	Name
Response information	frame format (return	n framel:	Address	01	Н	Code	
			Function	03	_	F0.00	VFD power specifica
Analysis of this segme	nt data:		DataNum*2	04	H		Master controller
0111 :- #				17	'H	F0.01	software version
01H is the addres 03H read function			Data1 [2Byte]	70	IH	F0.02	Run command char
04H is the produc	t of (read item)*2			00	ΙΗ	1 0.02	selection
1770H read the da			Data2 [2Byte]	00	ΙΗ		
0000H read the da 5CFEH is 16 bits of C	ita of 2103H(Output f	requency	CRC CHK Low	FE	Н		
301 E11 13 10 bits 01 0	no check code		CRC CHK High	50	H		
3.6 06H Write Function	on Mode:				=		
Inquiry information fra	me format (send fra	me):	Address	01	_	F0.03	Frequency selection
Analysis of this segme			Function	06	-		
Analysis of this segme	ni udid:		Starting data address	20	_		
01H is the addres			-	00	-		
06H write functi			Data (2Byte)	00	_		
ZUUUTI IS CUTILIUCCON	uruanu audress		1	I 01	н і		

Function Description

Read registers

Address

Data Meaning Description

communication setting frequency range is -10000 to 10000 to the maximum frequency, which ranges from -100.00% to 100.00%).

013H: Forward jog operation

23H: Reverse jog operation

H: Reverse run

0002H: Fault reset

2103H Output frequency (two decimal places)

2105H Bus voltage (one decimal place)

2109H Current count value

210CH Reserve

2112H Current fault

2113H Current timing value

2114H Input terminal status

2115H Output terminal status

2111H

Motor speed 210BH Analog output A0 (Two decimal places)

Output current (one decimal place)

Output voltage (one decimal place) Analog input AI (Two decimal places

210DH Inverter temperature (one decimal place)

PID feedback value (two decimal places)

PID setting value (two decimal places)

2000H

2001H

2002H

		CRC CHK High		tion	Name
nformation frame	format (return frame):	Address	01H		
		Function	03H	F0.00	VFD power spec
his segment data	:	DataNum*2	04H	E0 01	Master controlle
the address of the	driver	Data1 [2Buto]	17H	1 0.01	software version
		Data i [ZByte]	70H	F0.02	Run command selection
		Data2 [2Buta]	00H	-	Selection
	. 3 1 ,	Dalaz [ZByle]	00H		
		CRC CHK Low	FEH		
		CRC CHK High	5CH		
rite Function Mo	le:				
mation frame for	mat (send frame):			F0.03	Frequency sele
		Function			
inis segment data	1	Starting data address			
the address of the	driver	, , , , , , , , , , , , , , , , , , ,			
*******************	•	Data (2Byte)	00H		
	address		01H		
	eck code	CRC CHK Low	43H		Maximum outp
TO BILD OF OTTO CIT	en code	CRC CHK High	CAH	F0.04	frequency
nformation frame	format (return frame):	Address	01H		
		Function	06H	F0.05	Maximum frequ
his segment data	:	6 1. 11	20H	F0.0/	
nturn the came in	anut data	Starting data address	00H	FU.06	Lower limit free
etui ii tile Sairie II	put data	11 (0 (0)	00H	F0 0F	Reach the lowe
		Number of Data (Byte)	01H	FU.07	frequency proce
		CRC CHK Low	43H		Operating frequ
		CRC CHK High	CAH	F0.08	digital setting
					l
	nena Solution the common abnormal phenomena and	d solving actions are as showed	in following		
	the common abnormal phenomena and	d solving actions are as showed	in following	F0.09	Digital frequenc
driver operation,	the common abnormal phenomena and	of Fault and Actions to Take		F0.09	Digital frequenc control
driver operation,	he common abnormal phenomena and Possible Reasons Check whether there is power failure,	of Fault and Actions to Take or phase loss of input power, che or socket related to keypad. Me check if the switching power	eck if the asure the supply is	F0.09	
driver operation, henomena LED no display but the internal charging	Possible Reasons. Check whether there is power failure, or power line is connected correctly. Check if there is problems with wiring voltage of internal control source to functioning well. If not, check its inlet w	of Fault and Actions to Take or phase loss of input power, che or socket related to keypad. Me check if the switching power vire, start oscillation and stabiliv	eck if the asure the supply is	F0.09	control
henomena LED no display LED no display, but the internal charging indicator is on	Possible Reasons Check whether there is power failure, opower line is connected correctly. Check if there is problems with wiring voltage of internal control source to functioning well. If not, check its inlet wif they works well. The motor load is too much. Reduce the Check if it is in trip status or hasn't reserved.	of Fault and Actions to Take or phase loss of input power, che or socket related to keypad. Me check if the switching power wire, start oscillation and stabiliv te load. et after tripping, check whether	eck if the asure the supply is olt to see		control
driver operation, henomena LED no display LED no display, but the internal charging indicator is on Motor droning No abnormal	Possible Reasons. Check whether there is power failure, or power line is connected correctly. Check if there is problems with wiring voltage of internal control source to functioning well. If not, check its inlet wif they works well. The motor load is too much. Reduce the Check if it is in trip status or hasn't reserestart status after power down, wheth program running status, multi-speed or	of Fault and Actions to Take or phase loss of input power, che or socket related to keypad. Me check if the switching power wire, start oscillation and stabiliv ie load. et after tripping, check whether er the keypad is reset, whether operation status, some specific of	eck if the asure the supply is olt to see it is in it is in		Acceleration tim
driver operation, henomena LED no display LED no display, but the internal charging indicator is on Motor droning	Possible Reasons Check whether there is power failure, converting is connected correctly. Check if there is problems with wiring voltage of internal control source to functioning well. If not, check its inlet wif they works well. The motor load is too much. Reduce the Check if it is in trip status or hasn't reservestart status after power down, wheth	of Fault and Actions to Take or phase loss of input power, che or socket related to keypad. Me check if the switching power wire, start oscillation and stabilize load. et after tripping, check whether peration status, some specific overing factory set.	eck if the asure the supply is olt to see it is in it is in	F0.10	control
t of t	the address of the read function code the product of free read the data of 21 read the data of 2116 bits of CRC che read the data of 2116 bits of CRC che read the data of 2116 bits of CRC che read the data of 2116 bits of CRC che read the address of the write function code control command stop command 16 bits of CRC che read the segment data:	the address of the driver read function code the product of (read item)*2 read the data of 2102H (Setting frequency) read the data of 2103H(Output frequency) 16 bits of CRC check code ite Function Mode: rmation frame format (send frame): his segment data: the address of the driver write function code control command address	the address of the driver read function code the product of (read item)*2 mead the data of 2102H (Setting frequency) read the data of 2103H(Output frequency) 16 bits of CRC check code CRC CHK High The address of the driver write function code control command address stop command 16 bits of CRC check code CRC CHK Low CRC CHK High The address of the driver write function code control command address stop command 16 bits of CRC check code CRC CHK Low CRC CHK High The address of the driver write function code control command address stop command 16 bits of CRC check code CRC CHK Low CRC CHK High The address of the driver write function code control command address stop command Starting data address stop command Starting data address stop command Starting data address function functi	the address of the driver read function code the product of (read item)*2 mead the data of 2102H (Setting frequency) read the data of 2103H(Dutput frequency) and the data of 2103H(Dutput frequency) and the data of 2103H(Dutput frequency) aread the data of 2103H(Dutput frequency) and th	the address of the driver read function code the product of (read item)*2 mead the data of 2102H (Setting frequency) read the data of 2103H(Output frequency) re

		mode.				FU.17	v/r frequency value r f
		Improper setting of upper and lower limit of fre	quency.			F0.18	V/F Voltage value V1
	notor can rotate, but regulation can't be	The frequency is set too low, or the frequency g Check whether the speed adjustment mode is it		an iency s	ettina	EN 19	V/F frequency value F2
realize		Check whether the load is too heavy, whether it					. ,
		overcurrent limiting state. Frequent fluctuation of load. Decrease the char	naina			F0.20	V/F Voltage value V2
	d changing during	Serious mismatching of rated value of the drive parameters as actual value.		e motor		F0.21	V/F frequency value F3
motor	running	Frequency setting potentiometer is in bad conn is in fluctuation. Switch to digit setting mode or analog input signal.				F0.22	V/F Voltage value V3
The ro	otation direction of	Adjust phase sequence of output terminal U, V, Set the running direction as reverse (P0.21=1).	W.			F0.00	
motor	is in reverse	Caused by phase loss of output. Check the mot	or wiring immediate	ely.		FU.Z3	User password
NOTE:	Inction Paramete					F0.24	Frequency display resolution selection
\times	Not modifiable parame	eter under run status arameter, not modifiable				F0.25	Motor control mode
◇	- Factory parameter, on	ly modifiable for factory, not allowed for users m	nodifying				
Func-		F0 Group - Basic Run Parameters	<u> </u>	F .	Modi-		
tion Code	Name	Content	Set Range	Factory Default	fica- tion		
F0.00	VFD power specification	on VFD power specification	0.10 ~ 99.99KW	Model setting	•	F0.0/	Function macro
F0.01	Master controller software version	Master controller software version	1.00 ~ 99.99	1.00	•	F0.26	definition (temporarily reserved)
F0.02	Run command channe selection	Run command channel selection	0~2	0	0		
		Panel potentiometer Digital setting 1, operation panel ▲, ▼ keys adjustment Digital reference 2, terminal UP/DOWN adjustment Al analog reference (0~10V/0~20mA)				Func-	
F0.03	Frequency selection	4: Combination given 5: Reserve 6: Communication given 7: Reserve 8: MPPT on (photovoltaic water pump) Note: Extended hardware is needed to support; select combination timing, combination selection method is selected in F1.15.	0~8	0	0	tion Code	Name Start mode
F0.04	Maximum output frequency	The maximum output frequency is the highest frequency that the inverter can output, and it is the reference for acceleration and deceleration setting.	MAX {50.0, 【F0.05】 } ~ 999.9Hz	50.0Hz	×		
F0.05	Maximum frequency	The operating frequency cannot exceed this frequency	MAX {0.1, 【F0.06】 } ~ 【F0.04】	50.0Hz	×	F1.01	Start frequency
F0.06	Lower limit frequency	The operating frequency cannot be lower than this frequency	0.0 ~ Maximum frequency	0.0Hz	×	F1.02	Starting DC braking
F0.07	Reach the lower limit of frequency processing	of 0: zero running 1: Lower frequency operation 2: down time	0~2	0	×	F1.03	DC brake time at
F0.08	Operating frequency digital setting	The set value is the initial value of the frequency digital setting	0.0 ~ Maximum frequency	10.0Hz	0		startup
		LED bit: Power-off storage 0: storage 1: Do not store				F1.04	Stop mode Frequency threshold
	District	LED tens: Stop and keep 0: keep 1: Do not keep LED hundred position:				F1.05	of DC brake at stop DC brake voltage at
F0.09	Digital frequency control	UP / DOWN negative frequency adjustment 0: invalid 1: effective	0000 ~ 2111	0000	0	F1.07	DC brake time at stop
		LED thousands: PID, PLC frequency superposition selection				F1.08	DC brake delay time at
		0: invalid 1: F0.03+PID 2: F0.03+PLC				F1.09	Frequency setting of forward jog operation
F0.10	Acceleration time	The time required for the inverter to accelerate from zero frequency to the	0.1 ~ 999.9s 0.4 ~ 4.0KW			F1.10	Frequency setting of reverse jog operation
F0.11	Deceleration time	The time of vfd decelerates from maximum	7.5s 5.5 ~ 7.5KW 15.0s	Model setting	0	F1.11	Jog Acc time
		output frequency to zero frequency 0: Forward	10.00			F1.12 F1.13	Jog Dec time
F0.12	Running direction setting	1: Reverse 2: Ban reversal	0~2	0	0	F1.13	Hopping freq Hopping range
							3
F8.08	MPPT low point operating voltage	If the bus voltage (d-03) is higher than the set value of MPPT high point voltage (F8.09), it will be operated at the maximum frequency; if it is lower than the set value of MPPT high point voltage (F8.09), it will be	0V~【F1.00】	Model setting	0	Fault Code	Name

Improper setting of Acc/Dec time. Increase the value of Acc/Dec time.

Over-voltage protection action during decelerating. Increase the decelerating time nproper setting of carrier frequency, too much load may cause oscillation.

The load is too heavy, and the torque is not enough. Increase torque boost valu V/F mode. If not working, switch to auto torque boost mode, and the motor

parameters should be in consistent with the actual value. If still not working,

alues to see if they are matched, meanwhile tune the motor parameters

The motor power does not match the inverter power. Please set the motor

switch to flux vector control mode, and check the motor parameters and actua

One driver for several motor. Please change the torque boost mode to manual

current limit is set too low. Increase the value.

parameters to actual values.

F0.13	V/F curve setting	0: linear curve 1: Square curve 2: Multi-point V/F curve	0~2	0	×
F0.14	Torque boost	Manual torque boost, this value is set as a percentage of motor rated voltage	0.0 ~ 30%	Model setting	0
F0.15	Torque boost cut-off frequency	This setting is the boost cut-off frequency point when the manual torque is boosted.	0.0 ~ 50.0Hz	15.0Hz	×
F0.16	Carrier wave frequency setting	Raise the carrier frequency properly when there is demand for quiet running. Meanwhile, raising the carrier frequency will increase heat production and electromagnetic interference from the VFD	2.0 ~ 16.0KHz 0.4 ~ 3.0KW 4.0KHz 4.0 ~ 7.5KW 3.0KHz	Model setting	×
F0.17	V/F frequency value F1		0.1 ~ frequency value F2	12.5Hz	×
F0.18	V/F Voltage value V1	Voltage ▲	0.0 ~ Voltage value 2	25.0%	×
F0.19	V/F frequency value F2	Motor rated frequency	Frequency value F1 Frequency value F3	25.0Hz	×
F0.20	V/F Voltage value V2	V2	Voltage value V1 Voltage value V3	50.0%	×
F0.21	V/F frequency value F3	F1 F2 F3 Maximum Frequency output	Frequency value F2 motor rated frequency [F4.03]	37.5Hz	×
F0.22	V/F Voltage value V3	frequency	Voltage value V2 ~ 100.0%*Uoute (motor rated voltage 【F4.00】)	75.0%	×
F0.23	User password	Set any non-zero number, wait for 3 minutes or power down to take effect.	0 ~ 9999	0	0
F0.24	Frequency display resolution selection	0: 0.1Hz 1: 1Hz Note: To set this parameter, be sure to check the maximum output frequency (F0.04), frequency upper limit (F0.05), motor rated frequency (F4.03) and other frequency-related parameters.	0~1	0	0
F0.25	Motor control mode	0: V/F Control 1: Advanced V/F control 2: Simple vector control 3: Advanced vector control 4: Torque control	0~4	0	×
F0.26	Function macro definition (temporarily reserved)	O: General mode 1: Single pump constant pressure water supply mode 2: One tow two constant pressure water supply mode 3: Anapsack intelligent small water pump mode 4: Engraving machine mode 5: Security scenario application mode 6: High torque start scenario application mode 7: Fast start-stop scenario application mode 8: Automatic energy-saving scenario application mode 9: Custom mode (please refer to custom macro parameter group, maximum support 16 parameter application combinations) 10: Reserve	0~10	0	×
		F1 Group - Auxiliary Operating Parameters	S .		l:
Func- tion Code	Name	Setting Range	Minimum Unit	Factory Setting	Modi- fica- tion
	Start mode	LED one's place: Start mode 0: starting from the starting frequency 1: First DC braking and then starting from the starting frequency. 2: Reserved LED ten's place: Power outage or abnormal restart mode 0: invalid 1: Starting from the starting frequency LED hundred: Reserved LED thousand's place: Reserved	0000 ~ 0012	00	×
F1.01	Start frequency	Output frequency	0.0 ~ 50.0Hz	1.0Hz	0
F1.02	Starting DC braking voltage	Output current (valid value) DC braking	0.0 ~ 50.0% × Motor rated voltage	0.0%	0
F1.03	DC brake time at startup	Run command Time	0.0 ~ 30.0s	0.0s	0
	I			ı —	

0~2 0 X

e power rating		1	Prod	duct Information:				
Maintenance		Code						
					Warranty Card			
0.0 ~ 10.0Hz	0.0Hz	0			caused by this fluctuation.			
0.0 ~ Upper frequency	0.0Hz	0	F2.09	Error limit of analog input	When analog input signal shows frequent fluctuation around the set point, set F2.09 to restrain the frequency fluctuation	0.00 ~ 0.10V	0.00V	0
0.1 ~ 999.9s 0.4 ~ 4.0KW 10.0s 5.5 ~ 7.5KW 15.0s	Model setting	0	F2.08	Time of analog input signal filter	The parameter is used to filter of the input signal of Al and potentiometer to eliminate the influence of interference When analog input signal shows frequent	0.1 ~ 5.0s	0.1s	0
0.0 ~ 50.0Hz	10.0Hz	0	F2.04 F2.07	Reserve	The negretaria was to City City and	_	0	•
0.00 ~ 99.99s	0.00s	×	F2.03	Al Upper limit voltage setting	related to upper frequency [F0.05] percentage	-100.0% ~ 100.0%	100.0%	0
0.0 ~ 30.0s	0.0s	×	F2.01 F2.02	Al input upper limit voltage Al lower limit setting	Set Al upper/lower limit, the setting is	【F2.01】~10.00V	10.00V 0.0%	0
Motor rated voltage	0.0%	0	F2.00	Al input lower limit voltage	Set Al upper and lower limit voltage	0.00 ~ 【F2.01】	0.00V	tion
freq 0.0 ~ 50.0% ×			Func- tion Code	Name	Setting Range	Minimum Unit	Factory Setting	Mod
0.0 ~ Upper limited	0.0Hz	0		F2 Grou	operation to the forward operation. up - Analog and Quantity Input and Output Pa	rameters		
0~1	0	×	F1.36	Forward and reverse dead time	at the output zero frequency during the transition from the forward operation to the reverse operation, or from the reverse	0.0 ~ 999.9s	0.0	0
voltage 0.0 ~ 30.0s	0.0s	0			U: the unit is 1 Min 1: the unit is 1 Min 1: the unit is 0.1S The transition time for the inverter to wait			
0.0 ~ 50.0% × Motor rated	0.0%	0	F1.35	Time unit	LED ten's place: Simple PLC time unit LED hundred's place: Ordinary Acc/Dec time unit LED thousand's place: save 0: the unit is 1S	000 ~ 211	000	×
0.0 ~ 50.0Hz	1.0Hz	0	F1.34	Decelerate time 2	LED one's place: Process of PID time unit	5.5 ~ 7.5KW 15.0s		_
			F1.33	Accelerate time 2	Set Acc/Dec time 2	0.1 ~ 999.9s 0.4 ~ 4.0KW 10.0s	10.0s	0
0000 ~ 0012	00	×	F1.32	Acc/Dec time of MS stage 2	LED one's place: Acc/Dec time of MS stage 5 0~1 LED tens' place: Acc/Dec time of MS stage 6 0~1 LED hundred's place: Acc/Dec time of MS stage 7 0~1 LED thousand's place: save	000 ~ 111	000	×
Minimum Unit	Factory Setting	Modi- fica- tion			LED thousand's place: Acc/Dec time of MS stage4 0 ~ 1 LED one's place: Acc/Dec time of MS stage 5			
			F1.31	Acc/Dec time of MS stage 1	0 ~ 1 LED tens' place: Acc/Dec time of MS stage 2 0 ~ 1 LED hundred's place: Acc/Dec time of MS stage3 0 ~ 1	0000 ~ 1111	0000	×
			F1.30	Run time of MS stage 7	Set run time of MS stage 7 (unit is depend on [F1.35], default is second LED one's place: Acc/Dec time of MS stage 1	0.0 ~ 999.9s	10.0s	0
0 ~ 10	0	×	F1.29	Run time of MS stage 6	Set run time of MS stage 6 (unit is depend on [F1.35], default is second	0.0 ~ 999.9s	10.0s	0
			F1.28	Run time of MS stage 5	Set run time of MS stage 5 (unit is depend on [F1.35], default is second	0.0 ~ 999.9s	10.0s	0
			F1.27	Run time of MS stage 4	Set run time of MS stage 4 (unit is depend on 【F1.35】, default is second	0.0 ~ 999.9s	10.0s	0
	-		F1.26	Run time of MS stage 3	Set run time of MS stage 3 (unit is depend on 【F1.35】, default is second	0.0 ~ 999.9s	10.0s	0
0 ~ 4	0	×	F1.25	Run time of MS stage 2	Set run time of MS stage 2 (unit is depend on 【F1.35】, default is second	0.0 ~ 999.9s	10.0s	0
				Run time of MS stage 1	Set run time of MS stage 1 (unit is depend on 【F1.35】, default is second	0.0 ~ 999.9s	10.0s	0
0 ~ 1	0	0	F1.22 F1.23	Multi-speed freq. 6 Multi-speed freq. 7	Set multi-speed freq. 6 Set multi-speed freq. 7	Upper limit Upper limit	37.5Hz 50.0Hz	0
			F1.21	Multi-speed freq. 5	Set multi-speed freq. 5	Upper limit	25.0Hz	0
0-7/17	U	\vdash	F1.19	Multi-speed freq. 4	Set multi-speed freq. 4	Upper limit Upper limit	20.0Hz	0
voltage [F4.00])	0	0	F1.18 F1.19	Multi-speed freq. 2 Multi-speed freq. 3	Set multi-speed freq. 2 Set multi-speed freq. 3	Upper limit	10.0Hz 15.0Hz	0
Voltage value V2 ~ 100.0%*Uoute (motor rated	75.0%	×	F1.17	Multi-speed freq. 1	options 0: no storage 1: storage Set multi-speed freq. 1	Upper limit	5.0Hz	0
Frequency value F2	37.5Hz	×			LED Thousand's place: Power-down storage options			
Voltage value V1 Voltage value V3	50.0%	×			driver stops 2: start from the frequency where it stops (fault)			
Frequency value F1 Frequency value F3	25.0Hz	×	F1.16	Programmable operation control (simple PLC running)	LED hundred position: Start mode 0: start from the first stage 1: continue from the stage where the	0000 ~ 1221	0000	×
0.0 ~ Voltage value 2	25.0%	×			2: maintain value of the last stage after single cycle			
3.0KHz 0.1 ~ frequency value F2	12.5Hz	×			1: Valid LED tens: Choose running mode 0: single cycle 1: continuous cycle			
2.0 ~ 16.0KHz 0.4 ~ 3.0KW 4.0KHz 4.0 ~ 7.5KW	Model setting	×			9: Reserve LED unit: PLC enable control 0: Invalid			
0.0 ~ 50.0Hz	15.0Hz	×		imoue	6: Digital freq2 + multistage speed 7: Potentiometer + multistage speed 8: AI + PLC (same direction superposition)			
0.0 ~ 30%	Model setting	0	F1.15	Frequency combinational setting mode	3: Digital freq1 + Al 4: Digital freq2 + Al 5: Digital freq1 + multistage speed	0~9	0	×
U~2	U	×			Potentiometer + digital frequency 2 Potentiometer + Al			

F6.04	Ratio correlation	This function code is used to set weight coefficient of frequency command received via RS485 when the driver is set as slave. The actual operation frequency is this parameter value multiplied by the command value received via RS485. In	0.01 ~ 10.00	1.00	0	F8.08	MPPT low point operating voltage	If the bus voltage (d-03) is higher than the set value of MPPT high point voltage (F8.09), it will be operated at the maximum frequency; if it is lower than the set value of MPPT high point voltage (F8.09), it will be operated at the frequency obtained by (bus	0V~【F1.00】	Model setting	0
		jointly control, this function code can set running frequency ratio of multiple VFD. F7 Group - Supplementary Function Parame	ter			F8.09	MPPT high point operating voltage	voltage/MPPT high point voltage)*maximum frequency, and if the bus voltage reaches the MPPT low point voltage [F8.08], it will be operated at the lowest outflow frequency.	【F1.01】~1000V	Model setting	0
Func- tion	Name	Setting Range	Minimum Unit	Factory	Modi- fica-			Running Frequency (F8.11) runs.			
Code	rune	LED one's place: count arrival processing 0: single cycle count, stop output	Parameter Office	Setting	tion	F8.10	Photovoltaic pump water shortage detection current corresponds to the ratio of no-load current	If the inverter is operating above the minimum water discharge frequency and the output current is less than the motor no-load current (F4.05)* PV water pump	0.0~ 300.0%	0.0	0
F7.00	Counting and timing	1: Single cycle count, continue output 2: Loop count, stop output 3: loop count, continue to output LED ten: reserved	000 000	100		F8.11	Minimum operating frequency of photovoltaic water pumping	water shortage detection current corresponding no-load current ratio (F8.10), after the PV water pump water shortage	0.00Hz ~ 999.9	0.00	0
	mode	LED Hundred's place: Timing Arrival Processing 0: One-week timing, stop output 1: Single-cycle timing, continue output	000 ~ 303	103	×	F8.12	Photovoltaic water pump shortage detection time	detection time (F8.10), the inverter reports water shortage fault E-24. For example: F8.13=0, that is, select the	0 ~ 250s	10	0
		Cycle timing, stop output Cycle timing, continue output LED Thousand's place: Reserved				F8.13	Running auxiliary display (only valid for dual display)	output frequency (d-00), then the default display item of the auxiliary display interface is the current output frequency value.	0 ~ 30	4	0
_	Counter reset value	Set counter reset value	[F7.02] ~ 9999	1	0		Shutdown auxiliary	For example: F8.03=1, that is, select the set frequency (d-01), then the default display			
	Counter detection value	Set counter detection value	0~ [F7.01]	1 0s	0	F8.14	display (only valid for dual display)	item of the auxiliary display interface is the	0~30	3	0
F7.03 F7.04	Timing setting	Set timing setting	0~9999s				duat disptay)	current set frequency value.			
F7.07	Reserve	-	_	0	•	Func-	I	F9 Group - Manufacturer Parameters		<u> </u>	Modi-
F7.08	Swing frequency control	0: prohibit 1: valid	0~1	0	×	tion Code	Name	Setting Range	Minimum Unit	Factory Setting	fica- tion
		0: Fixed swing				F9.00	Factory password	1~9999	1	****	\Diamond
F7.09	Swing control	The swing reference value is the maximum output frequency (F0.04). 1: Variable swing The swing reference value is the given channel frequency	0~1	0	×	Func- tion Code	Name	D Group - Monitoring Parameter Group Setting Range	Minimum Unit	Factory Setting	Modi- fica- tion
	C : (0: Start according to the state of memory			H	d-00	Output Frequency (Hz)	0.0 ~ 999.9Hz	0.1Hz	0.0Hz	•
F7.10	Swing frequency stop start mode selection	before shutdown 1: Restart	0 ~ 1	0	×	d-01	Set Frequency (Hz)	0.0 ~ 999.9Hz	0.1Hz	0.0Hz	•
		The swing frequency amplitude is a			\vdash	d-02	Output voltage (V)	0~999V 0~999V	1V 1V	0V	*
F7.11	Swing frequency amplitude	percentage relative to the maximum	0.0 ~ 100.0%	0.0%	0	d-03 d-04	Bus voltage (V) Output current (A)	0.0~999.9A	0.1A	0V 0.0A	*
		output frequency (F0.04).			\vdash	d-04	Motor speed (Krpm)	0 ~ 60000Krpm	1Krpm	Model setting	•
		This function code refers to the amplitude of the rapid decrease when the frequency				d-06	Analog input Al (V/mA)	0.00 ~ 10.00V/0.00 ~ 20.00mA	0.01V/0.01mA	0.00V/mA	•
		reaches the upper limit frequency of the swing frequency during the swing frequency				d-07	Reserve	_	0	0	•
F7.12	Kick frequency	process. Of course, it also refers to the amplitude of the rapid increase after the frequency reaches the lower limit frequency	0.0 ~ 50.0%	0.0%	0	d-08 d-09	Analog Output AO (V/mA) Reserve	0.00 ~ 10.00V/0.00 ~ 20.00mA	0.01V/0.01mA —	0.00V/mA 0	*
		of the swing frequency. This value is relative to the percentage of the swing frequency amplitude (F7.11). If it is set to 0.0%, there will be no sudden jump frequency.				d-10	PID pressure setting value	0.00 ~ 10.00V/0.00 ~ 99.99 [MPa、 Kg]	0.01V/(MPa、Kg)	0.00V/ (MPa、Kg)	•
F7.13	Swing frequency rise	The running time from the lower limit frequency of the swing frequency to the	0.1~3600.0s	5.0	0	d-11	PID pressure feedback value	0.00 ~ 10.00V/0.00 ~ 99.99 (MPa、Kg)		0.00V/ (MPa、Kg)	_
1 7.13	time	upper limit frequency of the swing frequency.	0.1 ~ 3000.03	3.0		d-12	Current count value Current timing value (s)	0~9999s 0~9999s	1s 1s	0s 0s	*
F7.14	Swing frequency fall time	The running time from the upper limit frequency of the swing frequency to the lower limit frequency of the swing frequency.	0.1 ~ 3600.0s	5.0	0	d-14	Input terminal status (X1-X5)	0~1FH	1H	0H	•
F7.15	Swing frequency upper		0.1 ~ 3600.0s	5.0	0	d-15	Output status (Y/R)	0~3H	1H	0H	•
F7.16	limit frequency delay Swing frequency lower	Set the upper and lower limit frequency delay of the swing frequency.	0.1 ~ 3600.0s	5.0	0	d-16	Module temperature(°C) Software upgrade date	0.0~132.3°C	0.1°C	0.0	•
F7.10	limit frequency delay	-0 C M		5.0	L	d-17	(years)	2010 ~ 2026	1	2021	•
Func- tion	Name	⁷⁸ Group - Management and Display Paramet Setting Range	ers Minimum Unit	Factory Setting	Modi- fica-	d-18 d-19	Software upgrade date (month, date)	0~1231	1	0615 0	*
Code		Engyample, E000 2 that is referrable		Setting	tion	d-19 d-20	Second fault code Last fault code	0~19 0~19	1	0	*
F8.00	Monitoring parameter selection	For example: F8.00=2, that is, select the output voltage (d-02), then the default display item of the main monitoring	0~30	0	0	d-21	Output frequency (Hz) at the latest fault	0.0~999.9Hz	0.1Hz	0.0Hz	•
	Shutdown status	interface is the current output voltage value. For example: F8.01=3, that is, select the				d-22	Output current (A) at latest fault	0.0~999.9A	0.1A	0.0A	•
F8.01	monitoring parameter item selection	bus voltage (d-03), then the default display item of the main monitoring interface is the current bus voltage value.	0~30	1	0	d-23	Bus voltage at last fault (V)	0~999V	1V	0V	•
F8.02	Swing frequency fall time	Used to correct the display error of the speed scale and has no effect on the actual speed.	0.01 ~ 99.99	1.00	0	d-24	Module temperature at last fault (°C)	0.0~132.3°C	0.1°C	0.0°C	•
		∩ no operation			$\vdash\vdash\vdash$	d-25	Inverter running time (h)	0~9999h	1h	0h	•
	Parameter initialization	The inverter is in the normal parameter read and write state. Function code setting value. Whether it can be changed depends on the setting status of the user password and the current working status of the inverter. 1: Restore factory settings All user parameters are restored to factory defaults by model. 2: Clear the fault record Clear the contents of the fault record [d-19 ~ d-24]. This function code is	0~2	0	×	d-26	VFD Running Status	0 - FFFFH BITO: run/stop BIT1: reverse/forward BIT2: Inching BIT3: DC braking BIT4: Reserve BIT5: Over-voltage limit BIT6: constant speed down BIT7: over current limit BIT8-9: 00-05peed/01-accelerate/ 10-decelerate/11- Uniform speed BIT10: Overload pre-alarm	1н	ОН	•
F8.03		automatically cleared to 0 after the operation is completed.				- 1	1	BIT11: Reserve	ı		
F8.04	J0G key setting		0~3	0	×			BIT12-13: Run command channel: 00-Panel/01-Terminal/10-Reserve BIT14-15: Bus voltage status: 00-normal/01-low voltage protection/ 10-overvoltage protection			
F8.04	Reserve	operation is completed. 0: JOG 1: forward and reverse switching 2: Clear ▲/▼ key frequency setting 3: Reverse run (the RUN button defaults to	_	0	×	d-27	Software version	00-Panel/01-Terminal/10-Reserve BIT14~15: Bus voltage status: 00-normal/01-low voltage protection/	0.01	1.00	•
F8.04		operation is completed. 0: JOG 1: forward and reverse switching 2: Clear ▲/▼ key frequency setting 3: Reverse run (the RUN button defaults to	— Momentary stop but non-stop function is invalid 1 ~ 100			d-28	Software version Power model Motor estimated	00-Panel/01-Terminal/10-Reserve BIT14-15: Bus voltage status: 00-normal/01-low voltage protection/ 10-overvoltage protection 1.00 ~ 99.99 0.10 ~ 99.9KW 0.0 ~ Maximum output frequency 【F0.04】	0.01KW	Model setting	•
F8.04 F8.05 F8.06	Reserve Instantaneous power-down frequency	operation is completed. 0: JOG 1: forward and reverse switching 2: Clear ▲/▼ key frequency setting 3: Reverse run (the RUN button defaults to forward) — Set the instantaneous power-down	— Momentary stop but non-stop function	0	•	d-28 d-29	Power model	00-Panel/01-Terminal/10-Reserve BIT14-15: Bux voltage status: 00-normal/01-low voltage protection/ 10-overvoltage protection 1.00 ~ 99.99 0.10 ~ 99.9KW		_	_

Fault Code	Name	Possible Cause of Fault	Maintenance	Cod	
		Acceleration time is too short	Increase acceleration time		
E0C1	Over-current when	The inverter power is too small	Get a large power rating	1	
	accelerating	Improper setting of V/F curve or torque boost	Adjust the V/F curve or torque boost		
E0C2	Over-current when	Deceleration time is too short	Increase deceleration time	2	
LUCZ	decelerating	The inverter power is too small	Get a large power rating		
		Low grid voltage	Check input power		
E0C3	Overcurrent at constant speed	Abrupt or abnormal load	Check load or reduce load change	3	
		The inverter power is too small	Get a large power rating		
F1 11 14	Accelerating over-	Abnormal input voltage	Check input power	١,	
EHUI	voltage during operation	Restart the rotating motor	Set to start after DC braking	4	
	Over-voltage during	Deceleration time is too short	Increase deceleration time		
EHU2	deceleration			5	
operation Abnormal input voltage Check input power Over-voltage during EHU3 constant speed Abnormal input voltage Check input power			6		
EHU4	Over-voltage during	Abnormal input voltage	Check input power	7	
	shutdown	1 3		\vdash	
ELU0	Under-voltage in operation	The input voltage is abnormal or the relay is not connected	Check the power supply voltage or seek service from the manufacturer	8	
		Inverter output short circuit or ground	Check motor wiring	ł	
ECC1	Power module fault	Inverter transient over-current	See over-current countermeasures	9	
ESUI	Power module lault	The control board is abnormal or the interference is serious	Seek service from manufacturers	7	
		Power device damage	Seek service from manufacturers		
	Heat sink	Ambient temperature is too high	Reduce ambient temperature	l	
E-0H	overheating	Fan damage	Replace the fan	10	
		Air duct blockage	Ventilation		
		Improper setting of V/F curve or torque boost	Adjust V/F curve and torque boost		
EOL1	Inverter overload	Grid voltage is too low	Check grid voltage	11	
		Acceleration time is too short	Increase acceleration time	4	
		Motor overload	Select a higher power inverter		
		Improper setting of V/F curve or torque boost	Adjust V/F curve and torque boost		
EOL2	Motor overload	Grid voltage is too low	Check grid voltage	12	
		Motor stalled or the load is too large	Check the load		
		Motor overload protection factor setting is incorrect	Correctly set the motor overload protection factor		
E-EF	External device failure	External device fault input terminal is closed	Disconnect the external device fault input terminal and clear the fault (note the cause of the check)	13	
EP0F	Dual CPU communication failure	CPU communication failure	Seek service from manufacturers	14	
	PID feedback	PID feedback line is loose	Check feedback connection		
EPID	disconnection	The feedback amount is less than the disconnection detection value	Adjust the detection input threshold	15	
		Does not match the host computer baud rate	Adjust baud rate		
E485	RS485 communication fault	RS485 channel interference	Check whether the communication connection is shielded, whether the wiring is reasonable, and if necessary, consider connecting the filter capacitor.		
		Communication timeout	Retry		
ETUN	Motor tuning failure	Motor parameter setting error	Reset motor parameters	17	
ECCF	Current detection	Current sampling circuit failure	Seek service from manufacturers	18	
_001	fault	Auxiliary power failure	555 561 Vice it of it finality actual Cl 5	10	
EEEP	EEPROM read and write error	EEPROM failure	Seek service from manufacturers	19	
EPLI	Output phase loss protection	Output U, V, W has phase loss	Check the output wiring	20	
		The feedback pressure is less than the low pressure detection threshold	Detect feedback connection or adjust	22	
EPA0	Burst failure	or higher than or equal to the high pressure detection threshold	detection high and low pressure threshold		

equency of forward jogging

	Product Name:	Customer Name :
	Model Type:	Customer Address :
	Purchase Date:	Contact Number :
	Warranty Terms:	
	1. From the date of original shipment, we guarantee warranty of 12 months for free, and paid service for a lifetime;	
	2. Product failure caused by the following reasons are not included in 12 months warranty guarantee: [1] Users didn't conduct right operation according to user's manual; [2] Eguipment has been repaired or modified by user's without consent of manufacturer; [3] Fault caused by operation outside standard scope of application; [4] Abnormal aging or fault result from bad operating environment; [5] Damage caused by force majeure lie earthquke, fire, flood, thunderstrike, abnormal voltage, or other naturtal disasters; [6] Damage caused by improper delivery or extermal force. 3. Manufacturer preserves the right to refuse warranty service for the following conditon: [1] Damage of beyond recognition of brand, trade mark, serial number, nameplate, and other manufacturer	
marks; [2] Payment is not finished according to contrace; [3] Intenional concealment to our after-sale service provider of wrong operation during setting, wirting, operation, maintenance or other process.		
	4. For failing products, Canroon preserve the righ	
	Canroon	ertificate
	I Inspector:	QC 001
	:	
The product is inspected according to the standard.		

Canroon

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