1.1.1 F0 Parameter Group

Parameter	Description	Minimum	Default	Maximum	Unit	Change	
		Value	Value	Value		Permission	
F0-00	Motor Rated Power	0.1	Depends	999.9	Kw	Read only	
			on model				
	This parameter is set to the rated p	ower of the n	notor (name	plate).			
F0-01	Motor Rated Voltage	1	Depends	500	V	Read only	
			on mode				
	This parameter is set to the rated v	oltage of the	motor (name	eplate).			
F0-02	Motor Rated Current	0.01	Depends	99.99	A	Read only	
			on mode				
	This parameter is set to the rated current of the motor (nameplate).						
F0-03	Motor Rated Frequency	0	50.0	500.0	Hz	Read only	
	This parameter is set to the rated f	requency of the					
F0-04	Motor Rated Speed	1	1460	9999	Rpm	Read only	
	This parameter is set to the rated s	peed of the m	otor (namer				
F0-05	Back EMF Coefficient for PM	0	Depends	999.9	V	Read only	
	Motor		on mode				
	This parameter is set as the back E	MF coefficient	of synchron	ous machine			
F0-06	Motor Parameter Autotune	0	0	3	-	Read only	
	0: No operation.						
	1: Static parameter identification;						
	2: Dynamic parameter identification	n;					
F0-16	Torque upper limit	-200.0	100.0	+200.0	%	Read/write	
F0-17	Dead zone compensation	0	1	1	-	Read/write	
	0: Disable 1: Enable						
F0-18	Voltage feedback	0	1	1	-	Read/write	
	0: Disable 1: Enable						
F0-19	Command Source Selection	0	0	3	-	Read/write	
	0: Panel control. Press the RUN key						
	1: Terminal control. It is directly controlled by the inverter control terminal. By default, DI1						
	controls forward rotation and DI2 controls reverse rotation.						
		2. Reserved					
	3: The system starts automatically after power-on. Use F2-22 to set the delay time.						
			on. Use F2-2		lelay tir		
F0-20	Main Frequency Source Selection	0	1	9	lelay tir -	ne. Read only	
F0-20	Main Frequency Source Selection 0: function code setting, power-of	0	on. Use F2-2 1 : panel pote	9	lelay tir -		
F0-20	Main Frequency Source Selection 0: function code setting, power-of 2: Al1	0	1	9	lelay tir -		
F0-20	Main Frequency Source Selection 0: function code setting, power-of	0	1	9	lelay tir -		
F0-20	Main Frequency Source Selection 0: function code setting, power-of 2: Al1	0	1	9	lelay tir	Read only	
	Main Frequency Source Selection 0: function code setting, power-of 2: Al1 3~9: reserved	0 f memory 1	1 : panel pote	9 ntiometer	-	Read only	
	Main Frequency Source Selection 0: function code setting, power-of 2: Al1 3~9: reserved Stop Mode	0 memory 1 0 vn command i	1 :: panel pote 0 s effective, tl	9 ntiometer 1 ne inverter re	- educes t	Read only Read/write the output	
	Main Frequency Source Selection 0: function code setting, power-of 2: Al1 3-9: reserved Stop Mode 0: Ramp to stop. After the shutdov	0 memory 1 0 or command i ration time an	1 .: panel pote 0 o s effective, tld stops after	9 ntiometer 1 ne inverter re the frequence	- educes t	Read only Read/write the output to 0.	
F0-21	Main Frequency Source Selection 0: function code setting, power-of 2: Al1 3~9: reserved Stop Mode 0: Ramp to stop. After the shutdov frequency according to the decele	0 memory 1 0 no command i ration time an own command	1 : panel pote 0 s effective, tld stops after l is effective	9 ntiometer 1 ne inverter rethe frequence, the inverte	- educes t	Read only Read/write the output s to 0. diately stops	
	Main Frequency Source Selection 0: function code setting, power-of 2: Al1 3-9: reserved Stop Mode 0: Ramp to stop. After the shutdov frequency according to the decele 1: Coast to stop. After the shutdov	0 memory 1 0 no command i ration time an own command	1 : panel pote 0 s effective, tld stops after l is effective	9 ntiometer 1 ne inverter rethe frequence, the inverte	- educes t	Read only Read/write the output s to 0. diately stops	
F0-21	Main Frequency Source Selection 0: function code setting, power-of 2: Al1 3-9: reserved Stop Mode 0: Ramp to stop. After the shutdov frequency according to the decele 1: Coast to stop. After the shutdot the output, and the motor stops fr	0 f memory 1 0 vn command i ration time an own command eely according	1 : panel pote 0 s effective, tl d stops after l is effective,	9 ntiometer 1 ne inverter re the frequence, the inverte nanical inertic	- educes t cy drops r imme	Read only Read/write the output s to 0. diately stops	
F0-21	Main Frequency Source Selection 0: function code setting, power-of 2: Al1 3-9: reserved Stop Mode 0: Ramp to stop. After the shutdov frequency according to the decele 1: Coast to stop. After the shutdot the output, and the motor stops fr	0 memory 1 over command i ration time an own commance eely according 0.1	1 : panel pote 0 s effective, tl d stops after I is effective, to the mech Depends on model	9 ntiometer 1 ne inverter re the frequency, the inverte nanical inertia	educes to drope r immedia.	Read/write Read/write Read/write Read/write	
F0-21	Main Frequency Source Selection 0: function code setting, power-of 2: Al1 3~9: reserved Stop Mode 0: Ramp to stop. After the shutdov frequency according to the decele 1: Coast to stop. After the shutdthe output, and the motor stops free Acceleration Time	0 memory 1 over command i ration time an own commance eely according 0.1	1 : panel pote 0 s effective, tl d stops after I is effective, to the mech Depends on model	9 ntiometer 1 ne inverter re the frequency, the inverte nanical inertia	educes to drope r immedia.	Read/write Read/write Read/write Read/write	
F0-21	Main Frequency Source Selection 0: function code setting, power-of 2: Al1 3-9: reserved Stop Mode 0: Ramp to stop. After the shutdov frequency according to the decele 1: Coast to stop. After the shutdot the output, and the motor stops from Acceleration Time The acceleration time required for the stop of t	0 memory 1 over command i ration time an own commance eely according 0.1	1 : panel pote 0 s effective, tl d stops after I is effective, to the mech Depends on model	9 ntiometer 1 ne inverter re the frequency, the inverte nanical inertia	educes to drope r immedia.	Read/write Read/write Read/write Read/write	

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	8: Multi-segment command terminal 1					
	9: Multi-segment command terminal 2					
	10: Multi-segment command terminal 3					
	11: External stop terminal, which is only valid for panel control.					
	12: Coast stop, that is, blocking PWM output.					
	13: External terminal shutdown (deceleration time 2, which is valid at any time)					
	14: Emergency stop					
	15: DC braking					
	16: Deceleration DC braking					
	17: External fault input (normally open)					
	18: External fault normally closed input					
	19: Running Command switch terminal 1					
	F0-19=1 or 2 is effective.					
	20: Command source switching terminal 2					
	Used for switching between external terminal control and communication command control;					
	If the current state is set to external terminal control, when this terminal is valid, switch to					
	communication command control and vice versa.					
	21: Terminal UP					
	22: Terminal DOWN					
	23: UP/DOWN setting is cleared.					
	24: Frequency source switching					
	25: Switch between the main frequency source and the preset frequency.					
	26: Switch between auxiliary frequency source and preset frequency.					
	27: Effective terminal for frequency setting.					
	28: Acceleration and deceleration are prohibited.					
	29: Acceleration and deceleration time selection terminal 1					
	30: PLC status reset.					
	31: Speed control/torque control switching.					
F2-02	Al 1 Gain 0 1.00 20.00 - Read only					
	Analog input Al1 signal gain multiple, maximum gain up to 20 times. For example, using Al1 as					
	the target frequency setting, F0-07=0: 0-10V,this parameter is set to 2.00; Then a 5V input signal					
	allows the converter to operate at its maximum frequency.					
F2-03	Al 1 Offset -10.0 0 10.0 V Read only					
	Analog input 1 signal offset value, the maximum offset can be +/-10V.For example, if Al1 is set					
	as the target frequency, F0-07=0: 0-10V,this parameter is set to 2.00; Then the 8V input signal					
	can enable the frequency converter to operate at the maximum frequency. When F0-07 is set					
	to 1:0-20mA, 10.0V of this parameter indicates a bias of 20mA, and the rest correspond					
	linearly. When F0-07 is set to 2:4-20mA, 10.0V of this parameter indicates a bias of 16mA, and					
	the rest correspond linearly.					
	Internal calculated value of AI1 = actual input *F1-24+F1-25					
F2-04	Preset frequency 0.0 50.0 F0-09 Hz Read/write					
	When the target frequency setting mode is selected as "Digital Setting", this parameter sets					
	the initial value for the target frequency of the inverter.					
	After the target frequency is modified by the "Up/Down" key, this parameter will become					
	invalid temporarily, unless this parameter is modified again.					
F2-05	Frequency Running action below the 0 0 2 - Read/write					
	lower limit frequency					
	0: Run at the lower limit frequency					
	1: Stop					
	2: Zero speed operation					

	The deceleration time required for (F0-33) to 0 Hz.	the inverter	to decelerat	e from the u	ipper lim	nit frequency			
F0-25	Synchronous Motor Initial	0	1	1	T -	Read/write			
	Position Detection Mode								
	0: Check before each run.								
	1: No detection								
F0-26	Synchronous Motor Initial	5	120	180	%	Read only			
	Position Identification Current								
	Initial Value								
F0-27	Main Menu Display Auto	0	1	1	-	Read/write			
	Switching								
	0: Switching is prohibited. When the	ne display is sv	vitched from	the frequer	ncy inter	face to			
other interfaces, it is forbidden to automatically switch back to the freq									
	1: Automatic switching. When the	display is sw	itched from	the frequen	cy interf	ace to othe			
	interfaces, it will automatically swi	tch back to the	e frequency	interface aft	er 10 se				
F0-28	Parameter modification attribute	0	0	1	-	Read/write			
	0: Allow modification.								
	1. No modification is allowed.								
	When this parameter is set to 1,		s forbidden	to modify t	he parar	meter, and i			
	must be set to 0 before it can be cl								
F0-29	User password	0	0	9999	-	Read/write			
		The inverter provides the user password protection function. When F6-03 is SET to non-zero							
		it is the user password. The password protection will take effect after exiting the function							
	code editing state. Press the SET key again, "" will be displayed. You must input the use								
	password correctly to enter the pa	rameter interf	face.						
F0-30	Reserved		1						
F0-31	Reset to Factory Parameters	0	0	9999	-	Read only			
	1: Reset the factory settings.								
F0-32	Load speed display coefficient			9.999	-				
F0-33	Frequency Upper limit	F0-34	50.0	500.0	Hz	Read/write			
	Inverter maximum output frequen	су							
F0-34	Frequency Lower limit	0.0	0.0	F0-33	Hz	Read/write			
	Inverter minimum output frequence	Inverter minimum output frequency							
F0-35	Plugging current value	0	100	200	A	Read/write			

1.1.2 F2 Parameter Group

Parameter	Description	Minimum Value	Default Value	Maximum Value	Unit	Change Permission	
F2-00	DI1 Terminal Function Selection	0	1	31	-	Read only	
	0: No function						
	1: Forward running FWD						
	2: Reverse running REV						
	3: Three-wire mode running contro	ol					
	4: Two-wire/three-wire switching						
	5: Forward jog						
	6: Reverse jog						
	7: Fault reset						

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	When the set frequency is lower than be selected by this parameter.	the lower limi	t frequency, the	he running sta	ite of the	converter car
F2-06	Jump frequency 1	0.0	0.0	F0-33	Hz	Read/write
	When the target frequency is set within the range of jump frequency, the final operating					
	frequency of the converter will a	void the ran	ge and run	stably with	the bo	undary valu
	outside the range. The frequent					
	equipment. This parameter is the i	reference valu	ue of the jun	np frequency	/. The ra	ange is set b
	F2-07.					
F2-07	Jump frequency amplitude	0.0	0.0	F0-33	Hz	Read/write
	Combined with F2-06, set specific jur					
	range is enabled, the actual operatin frequency rises from low to within th					
	When the frequency decreases from h	igh to within t	the range the	frequency is	w ireque maintair	ncy boundary
	frequency boundary;	igii to within i	nic range, the	ricquericy is	maman	icu at tiic iiig
F2-08	Reserved					
F2-09	Set the cumulative power-on arrival	0	0	9999	Н	Read/write
	time					
	When the accumulated power-on tim				s value,	the frequency
F2-10	converter reports Err20 as a fault. This The carrier frequency is adjusted	parameter is ir	ivalid when se	et to 0.	Ι	Read/write
F 2-10	with temperature	U	1	1	-	Read/write
	When the frequency converter of	letects that the	e heat sink to	emperature is	high, it	automaticall
	reduces the carrier frequency to reduce					
	sink temperature is low, the carrier fre	quency gradua	lly returns to	the set value.	If the va	alue is set to (
	this parameter is disabled.					
F2-11	Carrier frequency adjusts the starting	0	70	150	°C	Read/write
	temperature When the frequency converter detects to	hat the temper	otumo of the me	diator avasada	the cet	
	when the frequency converter detects i	mai me temper				
	parameter, the F2-10 function is effecti	ve and the carr				
F2-12	parameter, the F2-10 function is effecti Carrier frequency adjustment	ve and the carr				mperature.
F2-12	parameter, the F2-10 function is effecti Carrier frequency adjustment time		ier frequency	is adjusted wi	ith the te	mperature.
F2-12	Carrier frequency adjustment time	0.1	20.0	is adjusted wi	s s	mperature. Read/write
F2-12	Carrier frequency adjustment time When the frequency converter dete	0.1 ects that the h	20.0	50.0 perature exc	s ceeds th	Read/write e set value o
	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque	0.1 ects that the h	20.0	50.0 perature exc	s ceeds th	mperature. Read/write e set value o
	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select	0.1 ects that the h ncy starts to	20.0 20.0 neat sink tem adjust after t	50.0 sperature exc the set time of	sceeds th	Read/write e set value o
	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection	0.1 ects that the h ncy starts to a 0000	20.0 20.0 neat sink tem adjust after t	50.0 pperature exc the set time of	sceeds th	mperature. Read/write e set value o
	Carrier frequency adjustment time When the frequency converter deterors, the carrier freque F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select	0.1 ects that the hocy starts to a 0000	20.0 20.0 neat sink tem adjust after t	50.0 sperature exc the set time of	sceeds th	mperature. Read/write e set value o
	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection	0.1 ects that the hocy starts to a 0000 ion of motor in selection	20.0 20.0 neat sink tem adjust after t	50.0 sperature exc the set time of	sceeds th	mperature. Read/write e set value o
	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select O: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection	0.1 ects that the hocy starts to a 0000 ion of motor in selection in selection	neat sink tem adjust after t 1111 1: En	50.0 sperature exche set time of 1111 sable protecti	sceeds th	mperature. Read/write e set value o
F2-14	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection	0.1 ects that the hocy starts to a 0000 ion of motor in selection in selection	neat sink tem adjust after t 1111 1: En	50.0 sperature exche set time of 1111 sable protecti	sceeds th	mperature. Read/write e set value o
F2-14	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or	0.1 ects that the hory starts to a 0000 ion of motor in selection in selection in the ground of the	20.0 neat sink tem adjust after t 1111 1: En	is adjusted wi 50.0 sperature exc the set time of 1111 sable protection	seeds the fermion	mperature. Read/write e set value o . Read/write
F2-14	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or	0.1 ects that the hory starts to a 0000 ion of motor in selection in the ground of 0	neat sink tem adjust after t 1111 1: En	is adjusted wi 50.0 sperature exc the set time of 1111 sable protection r-on. 20	tith the tell steeds the steeds t	Read/write Read/write Read/write
F2-14	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or Number of automatic fault resets	0.1 ects that the honey starts to a common selection in the ground of th	neat sink tem adjust after t 1111 1: En during power 0	is adjusted wi 50.0 sperature exche set time of 1111 sable protecti r-on. 20 cally reset af	time s	Read/write Read/write Read/write Read/write Read/write
F2-14	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or Number of automatic fault resets Number of times the frequence	0.1 ects that the honey starts to a common selection in the ground of the common selection in the ground of the gr	neat sink terreduction and automatic remains in terms adjust after to the second secon	is adjusted wi 50.0 sperature exche set time of 1111 sable protecti r-on. 20 cally reset af	time s	Read/write Read/write Read/write Read/write Read/write
F2-14	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or Number of automatic fault resets Number of times the frequenc this number is exceeded, the frequence this number is exceeded, the frequence in the supplementation of the product of the produ	0.1 ects that the honey starts to a common selection in the ground of the common selection in the ground of the gr	neat sink terreduction and automatic remains in terms adjust after to the second secon	is adjusted wi 50.0 sperature exche set time of 1111 sable protecti r-on. 20 cally reset af	time s	Read/write Read/write Read/write Read/write Read/write Read/write
F2-14	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or Number of automatic fault resets Number of times the frequent this number is exceeded, the frequent to 0, the automatic reset function is	0.1 ects that the honey starts to a common from the ground of the ground	ier frequency 20.0 leat sink tem adjust after t 1111 1: En during power 0 an automati	is adjusted wi 50.0 Iperature exche set time of 1111 Iable protecti r-on. 20 cally reset af	time s ter faultate. If the	Read/write Read/write Read/write Read/write Read/write t alarm. Afte
F2-14 F2-15	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or Number of automatic fault resets Number of times the frequence this number is exceeded, the frequence to 0, the automatic reset function is Interval between automatic fault reset	0.1 ects that the Fincy starts to a 0000 ion of motor in selection in selection in the ground of 0 ety converter cency converter is not enabled 0.1	ier frequency 20.0 neat sink terr adjust after t 1111 1: En during power 0 can automatier remains ir	is adjusted wi 50.0 sperature exche set time of 1111 able protecti r-on. 20 cally reset af n the fault ste	tith the tell s ceeds the of F2-12 cion time s fter faultate. If the	Read/write Read/write Read/write Read/write Read/write Read/write Read/write
F2-14	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or Number of automatic fault resets Number of times the frequent this number is exceeded, the frequent to 0, the automatic reset function is Interval between automatic fault	0.1 ects that the Fincy starts to a 0000 ion of motor in selection in selection in the ground of 0 ety converter cency converter is not enabled 0.1	ier frequency 20.0 neat sink terr adjust after t 1111 1: En during power 0 can automatier remains ir	is adjusted wi 50.0 sperature exche set time of 1111 able protecti r-on. 20 cally reset af n the fault ste	tith the tell s ceeds the of F2-12 cion time s fter faultate. If the	Read/write Read/write Read/write Read/write Read/write Read/write Read/write
F2-14 F2-15	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or Number of automatic fault resets Number of times the frequenc this number is exceeded, the frequenc to 0, the automatic reset function is Interval between automatic fault reset. The waiting time between the frec	0.1 ects that the Fincy starts to a 0000 ion of motor in selection in selection in the ground of 0 ety converter cency converter is not enabled 0.1	ier frequency 20.0 neat sink terr adjust after t 1111 1: En during power 0 can automatier remains ir	is adjusted wi 50.0 sperature exche set time of 1111 able protecti r-on. 20 cally reset af n the fault ste	tith the tell s ceeds the of F2-12 cion time s fter faultate. If the	mperature. Read/write e set value o Read/write Read/write Read/write t alarm. Aftee e value is se Read/write
F2-14	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection 1000 bit: Short circuit protection or Number of automatic fault resets Number of times the frequent this number is exceeded, the frequent to 0, the automatic reset function is Interval between automatic fault reset The waiting time between the free enabled. Automatic start delay time	0.1 ects that the Fincy starts to a 0000 ion of motor in selection in the ground of th	ier frequency 20.0 heat sink terr adjust after t 1111 1: En during power 0 har automati er remains ir 1.0 htter fault ala	is adjusted wi 50.0 Inperature exche set time of 1111 able protection 20 cally reset af the fault sta	tith the tell s ceeds the free feet of feet feet feet feet feet feet	Read/write Read/write Read/write Read/write Read/write Read/write Read/write Read/write Read/write
F2-14 F2-15 F2-16	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection of 1000 bit: Short circuit protection or Number of automatic fault resets Number of times the frequent this number is exceeded, the frequent to 0, the automatic reset function is Interval between automatic fault reset The waiting time between the frequent automatic start delay time Heat dissipation fan running	0.1 ects that the honcy starts to a 0000 ion of motor in selection in the ground of 0 exp converter converters not enabled 0.1 guency conve	ier frequency 20.0 neat sink tem adjust after t 1111 1: En during powei 0 nan automatier remains ir . 1.0 rter fault ala	is adjusted wi 50.0 perature excheset time of 1111 aable protection 20 cally reset af the fault state 100.0 per and the same and the sa	tith the tell s ceeds the free feet of feet feet feet feet feet feet	Read/write Read/write Read/write Read/write Read/write Read/write Read/write
F2-14 F2-15 F2-16	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection 1000 bit: Short circuit protection on Number of automatic fault resets Number of times the frequence this number is exceeded, the frequence to 0, the automatic reset function in Interval between automatic fault reset The waiting time between the frequence the dissipation fan running mode	0.1 ects that the Fincy starts to a 0000 ion of motor in selection in the ground in th	ier frequency 20.0 neat sink terr adjust after t 1111 1: En during power 0 an automatier remains ir 1.0 rter fault ala	is adjusted wi 50.0 perature excheset time of 1111 aable protection 20 cally reset af the fault state 100.0 per and the same and the sa	tith the tell s ceeds the free feet of feet feet feet feet feet feet	Read/write Read/write Read/write Read/write Read/write Read/write Read/write Read/write Read/write
F2-14 F2-15 F2-16	Carrier frequency adjustment time When the frequency converter dete F2-11 parameter, the carrier freque Fault enable select 0: Prohibited protection One bit: overload protection select Tens place: output phase protection Hundred bit: input phase protection of 1000 bit: Short circuit protection or Number of automatic fault resets Number of times the frequent this number is exceeded, the frequent to 0, the automatic reset function is Interval between automatic fault reset The waiting time between the frequent automatic start delay time Heat dissipation fan running	0.1 ects that the Fincy starts to a 0000 ion of motor in selection in the ground of th	ier frequency 20.0 heat sink terr adjust after te 1111 1: En during power 0 an automati er remains ir	is adjusted wi 50.0 perature excheset time of 1111 aable protection 20 cally reset af the fault state 100.0 per and the same and the sa	tith the tell s ceeds the free feet of feet feet feet feet feet feet	Read/write Read/write Read/write Read/write Read/write Read/write Read/write Read/write Read/write

F2-24	DI2 Terminal function Select	0	2	35	-	Read only
	Same as DI1 (F2-00)					

1.1.3 F3 Parameter Group

Parameter	Description	Minimum	Default	Maximum	Unit	Change			
		Value	Value	Value		Permission			
F3-00	Motor control mode	0	0	2	-	Read only			
	0: V/F control								
	1: Reserved								
	2: synchronous motor without speed sensor vector control (FMSVC). After SVC control is								
	selected, F8-07 parameters need to	selected, F8-07 parameters need to be identified.							
F3-01	Torque Boost	0	Depends		%	Read/write			
			on	30.0					
			model						
	Under the V/F control mode								
	frequency operation, which can inc								
	setting is too large, the motor is eas								
	When the load is heavy an								
F3-02	recommended to increase this parar	0.0	50.0	F0-33	Hz				
F 3-02	Torque Boost Cut-off Frequency					Read only			
	Below this frequency, the torque boost is effective, and beyond this set frequency, the torque boost fails.								
F3-03	VF Over-current Stall Action								
F3-03	Current Stall Action	50	150	200	%	Read only			
F3-04	VF Overvoltage Stall Action		Depends						
F 3-04	Voltage Stall Action	200.0		2000.0	l v	Dood only			
	voitage	200.0	on model	2000.0	V	Read only			
	VF overvoltage stall running voltage		model						
F3-05	Speed Tracking Start	0	0	1		Read only			
F3-05		U	U	1	_	Read only			
	0: Direct startup								
	1: Speed tracking starts								
	When the inverter starts, there is a	short time d	elay to dete	ect the motor	speed	and control			
F2 06	from the current motor speed.	0		1000		B 1/ 1/			
F3-06	Speed Tracking Current Loop Kp	0	Depends	1000	-	Read/write			
			on						
	model								
T	F3-06-F3-09 parameters need not			4000		- v			
F3-07	Speed Tracking Current Loop ki	0	Depends	1000	-	Read/write			
			on						
F2 00		20	model	200	0/	D 1 '			
F3-08	Speed Tracking Current Value	30	Depends	200	%	Read only			
			on						
F- 00			model	100	-	n			
F3-09	Speed Tracking Current Lower	5	30	100	%	Read only			
	Limit								

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Fault Name	Display	Possible Causes	Solutions
Overvoltage at Constant Speed	Err07	The input voltage is too high. An external force drives the motor during running	Adjust the voltage to normal range. Cancel the external force or install a braking resistor
Inverter Overload	Err10	The load is too heavy or locked rotor occurs on the motor. The inverter model is of too small power class.	Reduce the load and check the motor and mechanical condition. Select an inverter of higher power class.
Power Output Phase Loss	Err13	The module is faulty	Contact for Technical support
Module Overheat	Err14	The ambient temperature is too high. The air filter is blocked. The fan is damaged	Lower the ambient temperature. Clean the air filter. Replace the damaged fan.

Warranty Card

Customer	Address:			
Information	Name:	Contact:		
	Postal code:	Tel:		
	Product model:			
Product Information				
	Agent name:			
Fault Information				

Certificate

This product has gone through rigorous quality control tests at factory.

Inspector	
Approval Mark	

2.1 Monitoring Parameter

The monitoring parameters of the inverter can only be read and cannot be modified.

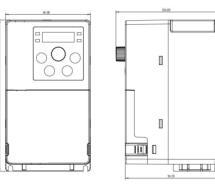
Parameter	Description	Unit	Communication Address	Parameter Attribute
U0-00	Inverter Running State 1: forward 2: reverse 3: stop	-	1000H	Read only
U0-01	Fault Code	-	1001H	Read only
U0-02	Set Frequency	0.1Hz	1002H	Read only
U0-03	Running Frequency	0.1Hz	1003H	Read only
U0-04	Running Speed	Rpm	1004H	Read only
U0-05	Output Voltage	V	1005H	Read only
U0-06	Output Current	0.1A	1006H	Read only
U0-07	Output Power	0.1KW	1007H	Read only
U0-08	DC Bus Voltage	V	1008H	Read only
U0-09	Output Torque	0.1Nm	1009H	Read only

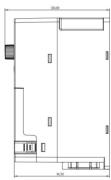
3.1 Faults and Solutions

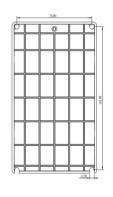
Fault Name	Display	Possible Causes	Solutions
Inverter Unit Protection	Err01	The output circuit is grounded or short circuited. The connecting cable of the motor is too long The inverter module is faulty	Eliminate external faults. Install a reactor or an output filter Contact for technical support
Overcurrent During Acceleration	Err02	The control method is vector and no parameter identification. The acceleration time is too short 3. Manual torque boost or V/F curve is not appropriate The inverter model is of too small power class.	1. Perform the motor auto-tuning. 2. Increase the acceleration time. 3. Adjust the manual torque boost or V/F curve. 4. Select higher power rating inverter
Overcurrent at Constant Speed	Err04	The output circuit is grounded or short circuited. The inverter model is of too small power class.	Eliminate external faults. Select higher power rating inverter
Overvoltage During Acceleration	Err05	The input voltage is too high. The acceleration time is too short.	Adjust the voltage to normal range. Increase the acceleration time.

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10V AI	GND	DI1	DI2
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Туре	Terminal	Terminal Name	Function Description
Power Output	+10V-GND	Terminal of 10V power output	Provide +10V power supply for external units, with maximum output current of 10mA. It is generally used as the operating power supply for the external potentiometer. The potentiometer resistance range is 1-5kΩ.
Analog Input	AI1-GND	Analog input terminal 1	1. Input voltage range: DC 0-10V 2. Input impedance: 22kΩ
Digital Input	DI1-COM	Digital Input 1	1. Optical coupling isolation, bipolar input.
	DI2-COM	Digital Input 2	2. Input impedance: 2.4kΩ.

RUN	Start in keyboard mode Stop in keyboard mode		Increase the data or the funtiion codeparameter the upper and lower keys at the same time to shift
PRGM	Enter or exit the menu Enter the menu to confirm the parameter settings parameter settings press 3 seconds to enter parameter setting	(decrease the data or the function codepress the uppe and lower keys at the same time to shift

decrease the data or the function codepress the upper and lower keys at the same time to shift