Chapter 3 Parameter specification

1. Parameter specification

Parameter	Parameter specification	Parameter range	Default	Unit
P00	Maximum voltage	0---220.0	220	V
P01	Reference frequency	0---400.0	50	Hz
P02	Intermediate voltage	0---220.0	110	V
P03	Intermediate frequency	0---400.0	25	Hz
P04	Minimum voltage	0---220.0	0	V
P05	Minimum frequency	0---400.0	0	Hz
P06	Maximum operating	0---400.0	100	Hz
P07	Minimum operating	0---400.0	0	Hz
P08	Hide password	0---65535	33333	
P09	Input password	0---65535	0	
P10	Working frequency source	0: Panel keyboard; 1: Panel potentiometer; 2: External analog signal 3: RS485.	1	
P11	Start/stop control source	0: Panel keyboard; 1: RS485; 2: External port.	0	

P12	Stopping Modes	0: Inertial stop; 1: Deceleration stop; 2: Brake stop; 3: Emergency brake.	1	
P13	Braking time	0---2.5	0.5	S
P14	Braked Voltage	0---140.0	20	V
P15	RS485format ASCII	0:7E1; 1:701; 2:8N2; 3:8E1; 4：801.	2	
P16	RS485 Baud rate	0：4800; 1：9600; 2：19200; 3：38400	1	
P17	Machine number	1-255	1	
P18	Operating arrival	0---100.0	50	Hz
P19	Persist			
P20	Over temperature protection selection	1---80	80	
P21	Reduction ratio	1---100	1	
P22	Carrier setting	1---10	10	
P23	Frequency adjusting step size	1---100	5	0.1Hz
P24	Overload protection buffer time	0.1---60.0	3	S
P25	Motor series selection	0：two poles; 1：quadrupole; 2：sextupole.	0	
P26	Working frequency	0---400.0	50	Hz

P27	Section speed 1 setting	0---400.0	45	Hz
P28	Section speed 2 setting	0---400.0	40	Hz
P29	Section speed 3 setting	0---400.0	35	Hz
P30	Section speed 4 setting	0---400.0	30	Hz
P31	Section speed 5 setting	0---400.0	25	Hz
P32	Section speed 6 setting	0---400.0	20	Hz
P33	Section speed 7 setting	0---400.0	15	Hz
P34	Main rising velocity	1---1000	50	Hz/S
P35	1st rising velocity	1---1000	50	Hz/S
P36	2nd rising velocity	1---1000	50	Hz/S
P37	3rd rising velocity	1---1000	50	Hz/S
P38	4th rising velocity	1---1000	50	Hz/S
P39	5th rising velocity	1---1000	50	Hz/S
P40	6th rising velocity	1---1000	50	Hz/S
P41	7th rising velocity	1---1000	50	Hz/S
P42	Main descent velocity	1---1000	25	Hz/S
P43	1st descent velocity	1---1000	50	Hz/S
P44	2nd descent velocity	1---1000	50	Hz/S
P45	3rd descent velocity	1---1000	50	Hz/S
P46	4th descent velocity	1---1000	50	Hz/S
P47	5th descent velocity	1---1000	50	Hz/S

P48	6th descent velocity	1---1000	50	Hz/S
P49	7th descent velocity	1---1000	50	Hz/S
P50	Multi function input 1 (X1 binding post)	0: invalid, terminal is non-functioning 1: wire control stop 2: keying stop; 3: keying operation; 4: stop keying; 5: wire forward operation 6: wire reverse operation; 7: reservation 8: error reset signal; 9: wire reversing switch; 10: keying forward switching; 11: keying forward switching; 12: reverse switch keying; 13: section speed input 1; 14: section speed input 2; 15: section speed input 3; 16: external error signal.	13	
P51	Multi function input 2	Idem	14	
P52	Multi function input 3	Idem	15	
P53	Multi function input 4	Idem	5	
P54	Multi function input 5	Idem	6	
P55	Multi function input 6	Idem	9	

P57	Multi function input 1	0: invalid, no output; 1: operating instructions; 2: set arrival instructions 3: fault indication; 4: timer time run out	0	
P58	Multi function input 2	Idem (SP1)	0	
P59	Multi function input 3	Idem	0	
P60	Multi function input 4	Idem (relay output)	0	
P61	PID options	0: invalid; 1: positive input negative feedback; 2: negative input negative feedback; 3: positive input positive feedback; 4: negative input positive feedback.		
P62	Display options	0: setting frequency; 1: operating frequency; 2: revolution 3: current; 4: temperature; 5: time;	0	
P65	Power on options	0: normal power on; 1: report error with start signal when power on; 2: Power on forward; 3: Power on reverse.	0	
P66	Input stabilization time	0---65535	60	mS
P67	Voltage coefficient	0---65535	3250 0	
P68	Under voltage setting	0---220.0	160	V
P69	Overvoltage setting	220.0---400.0	300	V

P70	Torque compensation options	0: P72 is compensation amount; 1: Multiply P72 by P71 after P71 minus input voltage	0	
P71	Torque compensation voltage	100.0---300.0	10	V
P72	Torque compensation setting	0---100	0	
P73	Maximum external analog	0---65535	61440	
P74	Minimum external analog	0---65535	4096	
P75	Zero current compensation value	0-65535	1130	
P76	Current coefficient	0-65535	9500	
P77	Parameter reset	0---65535(It is the reset when 54321）	0	
P78	Main current overload	0-65535	3000	mA
P79	First current overload	0-65535	3000	mA
P80	Second current overload	0-65535	3000	mA
P81	Third current overload	0-65535	3000	mA
P82	Fourth current overload	0-65535	3000	mA
P83	Fifth current overload	0-65535	3000	mA
P84	Sixth current overload	0-65535	3000	mA
P85	Seventh current overload	0-65535	3000	mA

P86	Jog forward frequency	0---400.0	20	Hz
P87	Jog reverse frequency	0---400.0	20	Hz
P88	Jog rising velocity	1---1000	50	Hz/S
P89	Jog descent velocity	1---1000	50	Hz/S
P90	Jog stopping modes	0: Inertia stop; 1: Decelerate stopp; 2: Braking stop; 3: Emergency brake.	1	
P91	Jog braking time	0---2.5	0.1	S
P92	Phase options	0： Three-phase 2： Three-line single phase	0	
P93	Phase V Adjustment	0---65535		
P94	Phase W Adjustment	0---65535		
*P93	Running time	0---65535	16	S
*P94	Stop time	0---65535	16	S
	Be dedicated to the time counter model. When *P94=0, it is always running.			
P99	Maximum pressure value			
P100	Minimum pressure value			
P105	PID set upper limit			
P106	PID set lower limit			
P107	PID set value			
P114	PID-P coefficient			

P115	PID-I Coefficient			
P116	PID-D Coefficient			
P127	Remaining hours	0---65535	65535	H

2. Parameter setting password and Down time stop:

P08 is the hidden password, it always shows only 00000, not the actual value.
When input the value of P09=the hidden value of P08, the P08 shows hidden value, and the P08 and other parameters can be changed. The P09 will be nullified when unplug the power cable to restart.

When P127=65535, the function of countdown do not start.
When P127 < 65535, the function of countdown will start, the P127 will minus 1 when the Inverter runs for one hour. The frequency converter will be stopped when the countdown of P127 to 0 hour.