CHAPTER 8 PARAMETER SUMMARY

Group 0: System Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
	00-00	Identity Code	Based on the model type	Read Only	○	○	○	○	○	○
	00-01	Rated Current Display	Based on the model type	Read Only	○	○	○	○	○	○
	00-02	Parameter Reset	10: Parameter reset (for 60Hz input) 9: Parameter reset (for 50Hz input) bit 0=1: Parameters are read only bit 1=1: Disable Frequency and Torque Command changes. bit 2=1: Keypad disable	0	○	○	○	○	○	○
↗	00-03	Star-up Display of the Drive	0: F (Master frequency command) 1: H (Output frequency) 2: U (multi-function display of 00-04) 3: Output current	0	○	○	○	○	○	○
↗	00-04	Definitions of the Multi-Function Display	0: output voltage 1: DC-BUS voltage 2: voltage command 3: multi-step speed 4: Speed command for the Process Control Operation step 5: Time remaining for the Process Control Operation step 6: Remaining number of times for the “restart after fault” feature 7: counter value 8: torque loading 9: power factor ±1.000 10: Power factor angle (0~180 degrees) 11: Output power (Kw) 12: Output power (Kva) 13: Motor speed (rpm) 14: IGBT module temperature 15: Braking resistor temperature 16: Digital terminal input status 17: PID output command 18: PID feedback value 19: the q axis voltage (V/F and vector)	0	○	○	○	○	○	○

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	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	00-04	Definitions of the Multi-Function Display	20: the d axis voltage (Vector only) 21: Magnetic flux 22: Overload accumulated time 23: Electronic thermal relay accumulated time 24: Execution time of the multi-step speed 25: quiescence stage 26: over-torque accumulated time 27: DC braking time 28: compensated voltage 29: Slip compensation frequency 30: Running number of Encoder (Channel 1) 31: PG position (position control) 32: Remaining pulses to reach position control (home position) 33: DC voltage upon a fault 34: The output AC voltage upon a fault 35: The output frequency upon a fault 36: The current value upon a fault 37: the frequency command upon a fault 38: day (power-up time) 39: hour, minute 40: The upper bound frequency value 41: Over-torque level 42: Stall level limitation 43: Torque compensation gain 44: torque limit (Pr. 06-12) 45: the q axis current (V/F and vector) 46: Frequency of Encoder (Channel 1) 49: PID error value 51: AVI input voltage 52: ACI input current 53: AUI input voltage 55: Auxiliary frequency value 60: Input state of digital terminals 61: Output state of digital terminals 84: Input frequency of pulse (Channel 2)	0	○	○	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	00-04	Definitions of the Multi-Function Display	85: Input position of pulse (Channel 2) 86: OL3 timer	0	○	○	○	○	○	○
✓	00-05	User-Defined Coefficient Setting	4 digit: 0-3: the number of the decimal places 3-0 digit: 40~9999	0	○	○	○	○	○	○
	00-06	Software Version	Read-only							
✓	00-07	Password Input	0~9999	0	○	○	○	○	○	○
✓	00-08	Password Setting	0~9999	0	○	○	○	○	○	○
✓	00-09	Frequency and the Operation Method of PU05	Bit0=0: Frequency via the up/down keys Bit0=1: Frequency command enabled after pressing the data/prog key Bit1=0: PU05&RS485 frequency memorized Bit1=1: PU05&RS485 frequency not memorized Bit2=0: Up/down pin frequency memorized Bit2=1: Up/down pin frequency not memorized Bit3=0: FWD/REV direction memorized Bit3=1: FWD/REV direction not memorized Bit4=0: Parameter memorized Bit4=1: Parameter not memorized	00000	○	○	○	○	○	○
	00-10	Control Methods	0: V/F Control	0	○	×	×	×	×	×
			1: V/F Control + PG		×	○	×	×	×	×
			2: Vector Control (open loop)		×	×	○	×	×	×
			3: Vector Control + PG (closed loop)		×	×	×	○	×	×
			4: Torque Control		×	×	×	×	○	×
			5: Torque Control + PG		×	×	×	×	×	○
	00-11	Forward Reverse transition in V/F mode	0: Follow Pr. 01-00 to 01-08 Settings 1: Follow Pr. 01-00 to 01-08 Settings 2: V/F1.5 power curve (Do not skip the start-up frequency) 3: V/F1.5 power curve (skip) 4: 2 power curve (do not skip) 5: 2 power curve (skip)	0	○	○	×	×	×	×

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	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	00-12	Constant Torque Operation Selection	0: OL (100%) constant torque operation 1: OL (125%) variable torque operation	0	○	○	○	○	○	○
✓	00-13	Optimal Acceleration /Deceleration Setting	0: Linear acceleration/deceleration 1: Auto acceleration, linear deceleration 2: Linear acceleration, auto deceleration 3: Auto acceleration/deceleration 4: Linear acceleration/deceleration, but conduct the stall prevention throughout the auto acceleration/deceleration function.	0	○	○	○	○	×	×
	00-14	Time Unit for Acceleration /Deceleration and S Curve	0: unit: 0.01 sec 1: unit: 0.1 sec	0	○	○	○	○	○	○
✓	00-15	Carrier Frequency Upper Bound	0: soft pwm 1~15KHz	10	○	○	○	○	○	○
✓	00-16	Carrier Frequency Lower Bound	1-15KHz (disabled during soft PWM)	10	○	○	○	○	○	○
✓	00-17	Center Frequency of Soft pwm	1~7KHz	3	○	○	○	○	○	○
✓	00-18	Auto Voltage Regulation (AVR) Function	0: AVR function enabled 1: AVR function disabled 2: AVR function disabled during deceleration	0	○	○	×	×	×	×
✓	00-19	Automatic Energy-Saving Operation	BIT0=0: Disable automatic energy-saving operation BIT0=1: Enable automatic energy-saving operation BIT1=0: Maximum output voltage equals to the input power voltage BIT1=1: Maximum output voltage could be greater than the input power voltage (over-modulation available)	00010	○	○	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
↗	00-20	Source of the Frequency Command	0: The digital keypad 1: The RS485 communication input 2: The external analog input 3: The external up/down pins (multi-function input terminal) 4: The pg (encoder) input or clock 5: The RS485 and PU05 at the same time (dual source) 6: The clock and direction (set by 10-12)	0	○	○	○	○	○	○
↗	00-21	Source of the Operation Command	0: The RS485 communication 1: The external terminal operation (2 wire or three wire) 2: The digital keypad operation	0	○	○	○	○	○	○
↗	00-22	Stop Methods	0: Ramp to stop 1: Coast to stop	0	○	○	○	○	○	○
↗	00-23	Reverse Operation	0: REV enabled 1: REV disabled 2: FWD disabled	0	○	○	○	○	○	○

Group 1: Basic Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
	01-00	Maximum Operation Frequency	50.0~400.00Hz	60.00/ 50.00	○	○	○	○	○	○
	01-01	Maximum Voltage Frequency (Base Frequency)	0.00~400.00Hz	60.00/ 50.00	○	○	○	○	○	○
	01-02	Maximum Output Voltage	230V: 0.0~255.0V	220.0	○	○	○	○	○	○
			460V: 0.0~510.0V	440.0						
	01-03	Upper Midpoint Output Frequency	0.00~400.00Hz	0.50	○	○	×	×	×	×
↗	01-04	Upper Midpoint Output Voltage	230V: 0.0~255.0V	5.0	○	○	×	×	×	×
			460V: 0.0~510.0V	10.0						
	01-05	Lower Midpoint Output Frequency	0.00~400.00Hz	0.50	○	○	×	×	×	×
↗	01-06	Lower Midpoint Output Voltage	230V: 0.0~255.0V	5.0	○	○	×	×	×	×
			460V: 0.0~510.0V	10.0						
	01-07	Minimum Output Frequency	0.00~400.00Hz	0.00	○	○	×	×	×	×
↗	01-08	Minimum Output Voltage	230V: 0.0~255.0V	5.0	○	○	×	×	×	×
			460V: 0.0~510.0V	10.0						
	01-09	Startup Frequency	0.00~400.00Hz	0.50	○	○	○	○	×	×
↗	01-10	Upper Bound Frequency	0.0~110.0%	100.0	○	○	○	○	○	○
↗	01-11	Lower Bound Frequency	0.0~100.0%	0.0	○	○	○	○	×	×
↗	01-12	The 1st Acceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×
↗	01-13	The 1st Deceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×
↗	01-14	The 2nd Acceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×
↗	01-15	The 2nd Deceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×
↗	01-16	The 3rd Acceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×
↗	01-17	The 3rd Deceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×
↗	01-18	The 4th Acceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	01-19	The 4th Deceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×
✓	01-20	JOG Acceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×
✓	01-21	JOG Deceleration Time	0.00~600.00 /0.0~6000.0 Sec	10.00/ 60.00	○	○	○	○	×	×
✓	01-22	JOG Frequency	0.00 Hz ~ 400.00Hz	6.00	○	○	○	○	×	×
✓	01-23	1st/4th Acceleration/Deceleration Frequency	0.00 Hz ~ 400.00Hz	0.00	○	○	○	○	×	×
✓	01-24	S-Curve for Acceleration Departure Time	0.00~250.0 Sec	0.00	○	○	○	○	×	×
✓	01-25	S-Curve for Acceleration Arrival Time	0.00~250.0 Sec	0.00	○	○	○	○	×	×
✓	01-26	S-Curve for Deceleration Departure Time	0.00~250.0 Sec	0.00	○	○	○	○	×	×
✓	01-27	S-Curve for Deceleration Arrival Time	0.00~250.0 Sec	0.00	○	○	○	○	×	×
	01-28	Skip Frequency 1 (upper limit)	0.00~400.00Hz	0.00	○	○	○	○	×	×
	01-29	Skip Frequency 1 (lower limit)	0.00~400.00Hz	0.00	○	○	○	○	×	×
	01-30	Skip Frequency 2 (upper limit)	0.00~400.00Hz	0.00	○	○	○	○	×	×
	01-31	Skip Frequency 2 (lower limit)	0.00~400.00Hz	0.00	○	○	○	○	×	×
	01-32	Skip Frequency 3 (upper limit)	0.00~400.00Hz	0.00	○	○	○	○	×	×
	01-33	Skip Frequency 3 (lower limit)	0.00~400.00Hz	0.00	○	○	○	○	×	×

Group 2: Digital Output/Input Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
	02-00	2-Wire/3-Wire Operation Control	0: FWD/STOP, REV/STOP 1: FWD/STOP, REV/STOP (Line Start Lockout) 2: RUN/STOP, REV/FWD 3: RUN/STOP, REV/FWD (Line Start Lockout) 4: 3-wire (momentary push button) 5: 3-wire (momentary push button and Line Start Lockout)	0	○	○	○	○	○	○
	02-01	Multi-Function Input Command 1 (MI1)	0: no function	1	○	○	○	○	○	○
			1: multi-step speed command 1		○	○	○	○	×	×
			2: multi-step speed command 2		○	○	○	○	×	×
			3: multi-step speed command 3		○	○	○	○	×	×
			4: multi-step speed command 4		○	○	○	○	×	×
			5: Reset		○	○	○	○	○	○
			6: JOG command		○	○	○	○	×	×
	02-02	Multi-Function Input Command 2 (MI2)	7: acceleration/deceleration speed inhibit	2	○	○	○	○	×	×
			8: the 1st, 2nd acceleration/deceleration time selection		○	○	○	○	×	×
	02-03	Multi-Function Input Command 3 (MI3)	9: the 3rd, 4th acceleration/deceleration time selection	3	○	○	○	○	×	×
			10: EF input		○	○	○	○	○	○
			11: disable vector(stop)		○	○	○	○	○	○
			12: B.B. traces from the bottom upward		○	○	○	○	○	○
	02-04	Multi-Function Input Command 4 (MI4)	13: B.B. traces from the top downward	4	○	○	○	○	○	○
			14: cancel the setting of the optimal acceleration/deceleration time		○	○	○	○	×	×
	02-05	Multi-Function Input Command 5 (MI5)	15: switch between drive settings 1 and 2	5	○	○	○	○	○	○
			16: operation speed command form AVI		○	○	○	○	○	○
			17: operation speed command from ACI		○	○	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
	02-06	Multi-Function Input Command 6 (MI6)	18: operation speed command from AUI	10	○	○	○	○	○	○
			19: Emergency Stop		○	○	○	○	○	○
			20: Digital Up command		○	○	○	○	○	○
			21: Digital Down command		○	○	○	○	○	○
	02-23	Multi-Function Input Command 7	22: auto procedural operation function disabled	0	○	○	○	○	×	×
			23: auto procedural operation suspended		○	○	○	○	×	×
	02-24	Multi-Function Input Command 8	24: PID function disabled	0	○	○	○	○	○	○
			25: clear counter		○	○	○	○	○	○
			26: input the counter value (multi-function input command 6)		○	○	○	○	○	○
	02-25	Multi-Function Input Command 9	27: FWD JOG command	0	○	○	○	○	×	×
			28: REV JOG command		○	○	○	○	×	×
	02-26	Multi-Function Input Command 10	29: braking module breakdown	0	○	○	○	○	×	×
			30: position control		○	○	○	○	×	×
			31: no PG control		×	○	×	○	×	○
	02-27	Multi-Function Input Command 11	32: torque/speed switch	0	×	×	○	○	○	○
			33: no EEPROM write		○	○	○	○	○	○
			34: DC current control		○	○	○	○	○	○
			35: 04-35,04-36 disable		○	○	○	○	○	○
	02-28	Multi-Function Input Command 12	36: Position control 2 (PG2 input)	0	○	○	○	○	○	○
			37: dwell function disable		○	○	○	○	○	○
			38: PAUSE STOP		○	○	○	○	○	○
			39: P2P position control		○	○	○	○	○	○
	02-29	Multi-Function Input Command 13	40: P2P Hold	0	○	○	○	○	○	○
			41: FWD Home Search		○	○	○	○	○	○
			42: P2P FWD Limit		○	○	○	○	○	○
	02-30	Multi-Function Input Command 14	43: P2P REV Limit	0	○	○	○	○	○	○
			44: REV Home Search		○	○	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	02-07	UP/DOWN key mode	Bit 0=0: UP/DOWM following the acceleration/deceleration time Bit 0=1: UP following the constant speed, and DOWN following the deceleration time Bit 1=0: UP following the acceleration time, and DOWN following the constant speed Bit 1=1: UP/DOWN following the constant speed	00000	○	○	○	○	○	○
✓	02-08	The Acceleration /Deceleration Speed of the UP/DOWN Key with Constant Speed	0.01~1.00Hz/msec	0.01	○	○	○	○	○	○
✓	02-09	Digital Input Responding Time	0.001~30.000 Sec	0.005	○	○	○	○	○	○
✓	02-10	Digital Input Operation Direction	0~65535 Bit 0~7=1 high active	0	○	○	○	○	○	○
✓	02-11	Multi-Function Output 1 RA, RB, RC (Relay 1)	0: no function	15	○	○	○	○	○	○
			1: AC drive running		○	○	○	○	○	○
			2: operation speed attained 1 (both directions)		○	○	○	○	×	×
			3: operation speed attained 2 (both directions)		○	○	○	○	×	×
✓	02-12	Multi-Function Output 2 MRA, MRC (Relay 2)	4: pre-set speed attained 1 (both directions)	1	○	○	○	○	○	○
			5: pre-set speed attained 2 (forward only)		○	○	○	○	○	○
			6: pre-set speed attained 1 (both directions)		○	○	○	○	○	○
✓	02-13	Multi-Function Output 3 MO1	7: pre-set speed attained 2 (forward direction)	2	○	○	○	○	○	○
			10: zero speed		○	○	○	○	○	○
			11: over-torque(oL2)		○	○	○	○	○	○
			12: base block (Pause)		○	○	○	○	○	○
			13: drive ready for use		○	○	○	○	○	○
			14: low voltage alarm (LV)		○	○	○	○	○	○
			15: error indication		○	○	○	○	○	○
			16: drive operation mode		○	○	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	02-14	Multi-Function Output 4 (MO2)	17: PCO Run	13	○	○	○	○	×	×
			18: PCO suspended		○	○	○	○	×	×
			19: 1st step of PCO completed		○	○	○	○	×	×
			20: PCO completed		○	○	○	○	×	×
			21: pre-set counter value attained		○	○	○	○	○	○
			22: desired counter value attained		○	○	○	○	○	○
			23: heat sink overheat warning		○	○	○	○	○	○
			24: operation frequency attained 1 (both directions)		○	○	○	○	×	×
			25: operation frequency attained 2 (both directions)		○	○	○	○	×	×
			26: pre-set frequency attained 1 (both directions)		○	○	○	○	○	○
			27: pre-set frequency attained 2 (forward only)		○	○	○	○	○	○
			28: pre-set frequency attained 1 (both directions)		○	○	○	○	○	○
			29: pre-set frequency attained 2 (forward only)		○	○	○	○	○	○
			30: software braking output		○	○	○	○	○	○
			31: position achieved		○	×	○	×	○	×
			32~47: PCO step indication		○	○	○	○	×	×
			48~63: multi-step indication		○	○	○	○	×	×
			64: PG Fault		○	×	○	×	○	×
			65: PG Stall		○	×	○	×	○	×
			69: over-torque(oL3)		○	○	○	○	○	○
			70: Zero speed (STOP)		○	○	○	○	○	○
			71: Position synchronization 1 (10-10)		○	○	○	○	○	○
			72: Position synchronization 2 (10-23)		○	○	○	○	○	○
✓	02-15	Multi-Function Output Direction	0~15 (1 high)	00000	○	○	○	○	○	○
✓	02-16	Counter Values Achieve the Pre-Set Values	0~65500	0	○	○	○	○	○	○
✓	02-17	Designated Counter Value Achieved	0~65500	0	○	○	○	○	○	○
✓	02-18	Digital Output Gain	1~40	1	○	○	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
↗	02-19	Pre-set Arrival Frequency 1	0.00~400.00HZ	60.00/ 50.00	○	○	○	○	○	○
↗	02-20	Pre-set Arrival Frequency 1 Width	0.00~400.00HZ	2.00	○	○	○	○	○	○
↗	02-21	Pre-set Arrival Frequency 2	0.00~400.00HZ	60.00/ 50.00	○	○	○	○	○	○
↗	02-22	Pre-set Arrival Frequency 2 Width	0.00~400.00HZ	2.00	○	○	○	○	○	○

Group 3: Analog Output/Input Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	03-00	Analog Input 1 (AVI)	0: no functions	1	○	○	○	○	○	○
			1: frequency/torque command		○	○	○	○	○	○
			2: torque limitations		×	×	○	○	○	○
			3: acceleration/deceleration time gain		○	○	○	○	×	×
✓	03-01	Analog Input 2 (ACI)	4: upper bound frequency	0	○	○	○	○	×	×
			5: over-torque current level		○	○	○	○	○	○
			6: torque compensation gain		○	○	×	×	×	×
			7: over-current stall prevention level during operation		○	○	○	○	×	×
✓	03-02	Analog Input 3 (AUI)	8: torque compensation(Vector)	0	×	×	○	○	○	○
			9: AVI auxiliary frequency (multiplication by the ratio of AVI)		○	○	○	○	○	○
			10: ACI auxiliary frequency (multiplication by the ratio of ACI)		○	○	○	○	○	○
			11: AUI auxiliary frequency (multiplication by the ratio of AUI)		○	○	○	○	○	○
			12: PID offset		○	○	○	○	○	○
			13: Auxiliary frequency of master frequency		○	○	○	○	○	○
✓	03-03	(AVI) Analog Input Bias 1	-10.00~10.00V	0.00	○	○	○	○	○	○
✓	03-04	(ACI) Analog Input Bias 2	0.00~20.00mA	4.00	○	○	○	○	○	○
✓	03-05	(AUI) Analog Input Bias 3	-10.00~10.00V	0.00	○	○	○	○	○	○
✓	03-06	(AVI) Positive/Negative Bias Mode	0: zero bias 1: value lower than bias = bias 2: value greater than bias = bias 3: the absolute value of the bias voltage while serving as the center	0	○	○	○	○	○	○
✓	03-07	(ACI) Positive/Negative Bias Mode	0: zero bias 1: value lower than bias = bias 2: value greater than bias = bias 3: the absolute value of the bias voltage while serving as the center	1	○	○	○	○	○	○

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	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	03-08	(AUI) Positive/Negative Bias Mode	0: zero bias 1: value lower than bias = bias 2: value greater than bias = bias 3: the absolute value of the bias voltage while serving as the center	0	○	○	○	○	○	○
✓	03-09	Analog Input 1 Gain (AVI)	-500.0~+500.0%	100.0	○	○	○	○	○	○
✓	03-10	Analog Input 2 Gain (ACI)	-500.0~+500.0%	125.0	○	○	○	○	○	○
✓	03-11	Analog Input 3 Gain (AUI)	-500.0~+500.0%	100.0	○	○	○	○	○	○
✓	03-12	Addition Function of the Analog Inputs	0: disable addition function (AVI, ACI, AUI) 1: enable addition function	0	○	○	○	○	○	○
✓	03-13	Analog Input Noise Filter	0.00~2.00 Sec	0.10	○	○	○	○	○	○
✓	03-14	Loss of the ACI signal	0: disabled 1: continue operation at last known frequency 2: decelerate to a stop 3: stop immediately and display E.F.	0	○	○	○	○	○	○
✓	03-15	Analog Output Selection	0: output frequency	0	○	○	○	○	○	○
			1: command frequency		○	○	○	○	×	×
			2: speed		○	○	○	○	○	○
			3: current		○	○	○	○	○	○
			4: output voltage		○	○	○	○	○	○
			5: DC BUS voltage		○	○	○	○	○	○
			6: power factor		○	○	○	○	○	○
			7: power		○	○	○	○	○	○
			8: torque		×	×	○	○	○	○
			9: AVI		○	○	○	○	○	○
			10: ACI		○	○	○	○	○	○
			11: AUI		○	○	○	○	○	○
			12: torque current command		×	×	○	○	○	○
			13: torque current estimation		×	×	○	○	○	○
			14: exciting magnet current command		×	×	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	03-15	Analog Output Selection	15: magnetic flux current	0	×	×	○	○	○	○
			16: q-axis voltage command		×	×	○	○	○	○
			17: d-axis voltage command		×	×	○	○	○	○
			18: vector-controlled error measures		×	×	○	○	○	○
			19: vector-controlled PID overall measures		×	×	○	○	○	○
			20: PID error measures		○	○	○	○	○	○
			21: PID total measures		○	○	○	○	○	○
			22: torque command		×	×	×	×	○	○
			23: pg frequency		○	○	○	○	○	○
			24: voltage command		○	○	○	○	○	○
✓	03-16	Analog Output Gain	-900.0~900.0%	100.0	○	○	○	○	○	○
✓	03-17	Analog Output Bias Voltage	-10.00~10.00V	0.00	○	○	○	○	○	○
✓	03-18	Analog Output Value in REV Direction	0: absolute value in REV direction 1: output 0V in REV direction 2: output negative voltage in REV direction	0	○	○	○	○	○	○
	03-19	Reserved								

Group 4: Multi-Step Speed and Process Control Operation (PCO) Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	04-00	The 1st Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-01	The 2nd Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-02	The 3rd Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-03	The 4th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-04	The 5th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-05	The 6th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-06	The 7th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-07	The 8th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-08	The 9th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-09	The 10th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-10	The 11th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-11	The 12th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-12	The 13th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-13	The 14th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-14	The 15th Step Speed	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-15	Time Duration of the PCO Master Speed	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-16	Time Duration of PCO Step 1	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-17	Time Duration of PCO Step 2	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-18	Time Duration of PCO Step 3	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-19	Time Duration of PCO Step 4	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-20	Time Duration of PCO Step 5	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-21	Time Duration of PCO Step 6	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-22	Time Duration of PCO Step 7	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-23	Time Duration of PCO Step 8	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-24	Time Duration of PCO Step 9	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-25	Time Duration of PCO Step 10	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-26	Time Duration of PCO Step 11	0.0~65500 Sec	0.0	○	○	○	○	×	×

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	04-27	Time Duration of PCO Step 12	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-28	Time Duration of PCO Step 13	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-29	Time Duration of PCO Step 14	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-30	Time Duration of PCO Step 15	0.0~65500 Sec	0.0	○	○	○	○	×	×
✓	04-31	The PCO Time Multiplier	1~10	1	○	○	○	○	×	×
✓	04-32	The PCO Operation Direction	0~32767 (0: FWD; 1: REV)	0	○	○	○	○	×	×
✓	04-33	Process Control Operation Mode	Bit0=0: direction determined by Pr. 04-32 Bit0=1: direction determined by the master speed control Bit1=0: continuously execute the process control operation Bit1=1: execute only one process control operation cycle Bit2=0: zero speed intervals disabled Bit2=1: zero speed intervals enabled Bit3=0: operate at zero speed upon time extension Bit3=1: operate at a constant speed upon time extension Bit4=0: PCO disabled Bit4=1: PCO enabled	00000	○	○	○	○	×	×

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	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	04-34	Multi-Step Speed Operation Mode	Bit0=0: direction determined by 04-32 Bit0=1: direction determined by the master speed Bit1=0: continuously execute multi-step speed Bit1=1: execute multi-step speed based on time (Pr. 4-15 to 4-30) Bit2=0: zero speed intervals disabled Bit2=1: zero speed intervals enabled	00001	○	○	○	○	×	×
✓	04-35	Disable Skip Frequency Width	0.00~400.00Hz	0.00	○	○	○	○	×	×
✓	04-36	Interfere Jump Width	0.00~400.00Hz	0.00	○	○	○	○	×	×

Group 5: Motor Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
	05-00	Motor Auto Tuning	0: no function 1: measures (R1, R2, Lm, Lc, no-load current) 2: measures (R1, R2, Lc) 3: measures (R1, R2, Lc, Lm, calculated by the motor's no-load current)	0	○	○	○	○	○	○
	05-01	Full-Load Current of Motor 1	XXXA (30~120%)	A(100%)	○	○	○	○	○	○
	05-02	No-Load Current of Motor 1	XXXA (5~90%)	A(40%)	×	×	○	○	○	○
✓	05-03	Torque Compensation of Motor 1 (for the V/F Mode Only)	0.0~25.0%	0.0	○	○	×	×	×	×
✓	05-04	Slip Compensation of Motor 1 (for V/F mode only)	0.0~10.0%	0.0	○	○	×	×	×	×
	05-05	Number of Poles for Motor 1	2~20	4	○	○	○	○	○	○
	05-06	Line to Line resistance R1 of Motor 1	mΩ	Xx	○	○	○	○	○	○
	05-07	Rotor resistance R2 of Motor 1	mΩ	Xx	×	×	○	○	○	○
	05-08	LM of Motor 1	MH	Xx	×	×	○	○	○	○
	05-09	LC of Motor 1	MH	Xx	×	×	○	○	○	○
✓	05-10	Iron Loss of Motor 1	0.0~10.0%	1.5	×	×	○	○	○	○
	05-11	Full-Load Current of Motor 2	XXXA (30~120%)	A(100%)	○	○	○	○	○	○
	05-12	No-Load Current of Motor 2	XXXA (5~90%)	A(40%)	×	×	○	○	○	○
✓	05-13	Torque Compensation of Motor 2	0.0~25.0%	0.0	○	○	×	×	×	×
✓	05-14	Slip Compensation of Motor 2	0.0~10.0%	0.0	○	○	×	×	×	×
	05-15	Number of Poles for Motor 2	2~20	4	○	○	○	○	○	○
	05-16	Line to Line resistance R1 of Motor 2	mΩ	Xx	○	○	○	○	○	○
	05-17	Rotor resistance R2 of Motor 2	mΩ	Xx	×	×	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
	05-18	LM of Motor 2	MH	Xx	×	×	○	○	○	○
	05-19	LC of Motor 2	MH	Xx	×	×	○	○	○	○
↗	05-20	Iron Loss of Motor 2	0.0~10.0%	1.5	×	×	○	○	○	○
↗	05-21	ASR (Auto Speed Regulation) P (Gain) 1	0.0~500.0%	25.0	×	○	○	○	○	○
↗	05-22	ASR I (Integration) Time 1	0.000~10.000 Sec 0.000: no integration	0.250	×	○	○	○	○	○
↗	05-23	ASR P (Gain) 2	0.0~500.0%	25.0	×	○	○	○	○	○
↗	05-24	ASR I (Integration) Time 2	0.000~10.000 Sec 0.000: no integration	0.250	×	○	○	○	○	○
↗	05-25	Frequency Switch between ASR1 and 2	0.00~400.00Hz	7.00	×	○	○	○	○	○
↗	05-26	Low-Speed Excitation Magnet Compensation	0~100%	10	×	×	○	○	○	○
↗	05-27	The Pre-Controlled Torque Feedback	0~100%	10	×	×	○	○	○	○
↗	05-28	Time Delay of the Pre-Controlled Torque Feedback	0.000~2.000 Sec	0.010	×	×	○	○	○	○
↗	05-29	Vibration Compensation Factor	0~10000	100	○	○	○	○	○	○
↗	05-30	R1 Detection Frequency	Bit0=0: no R1 detection Bit0=1: R1 detection	00000	×	×	○	○	○	○
↗	05-31	Dynamic Response Gain	0.0~100.0%	0.0	×	×	○	○	○	○
↗	05-32	Response of current control gain	0~100%	10	○	○	○	○	○	○

Group 6: Protection Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
↗	06-00	Low Voltage Level	160-220V 320-440V	180 360	○	○	○	○	○	○
↗	06-01	Over-Voltage Stall Prevention	350.0-450.0V 700.0-900.0V	380.0 760.0	○	○	○	○	×	×
↗	06-02	Phase-Loss Protection	0: warn and keep operating 1: warn and ramp to stop 2: warn and coast to stop	0	○	○	○	○	○	○
↗	06-03	Over-Current Stall Prevention during Acceleration	10~250%	170	○	○	○	○	×	×
↗	06-04	Over-Current Stall Prevention during Operation	10~250%	170	○	○	○	○	×	×
↗	06-05	Over-Current Deceleration Time during Operation	0.05~600.00 Sec	3.00	○	○	○	○	×	×
↗	06-06	Over-Torque Detection Selection (oL2)	0: disabled 1: Over-torque detection during constant speed operation, continue to operate after detection. 2: Over-torque detection during constant speed operation, stop operation after detection. 3: Over-torque detection during entire (acceleration, steady state, deceleration) operation, continue operation after detection. 4: Over-torque detection during entire (acceleration, steady state, deceleration) operation, stop operation after detection.	0	○	○	○	○	○	○
↗	06-07	Over-Torque Detection Level (oL2)	10~250%	150	○	○	○	○	○	○
↗	06-08	Over-Torque Detection Time (oL2)	0.0~60.0 Sec	0.1	○	○	○	○	○	○

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	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	06-09	Over-Torque Detection Selection 2 (OL3)	0: Disable 1: over-torque detection during constant speed operation, continue to operate after detection 2: over-torque detection during constant speed operation, stop operation after detection. 3: over-torque detection during operation, continue operation after detection. 4: over-torque detection during operation, stop operation after detection.	0	○	○	○	○	○	○
✓	06-10	Over-Torque Detection Level 2 (OL3)	10~250%	150	○	○	○	○	○	○
✓	06-11	Over-Torque Detection Time 2 (OL3)	0.0~60.0 Sec	0.1	○	○	○	○	○	○
✓	06-12	Over-Torque limit	0 ~ 250%	150	×	×	○	○	○	○
✓	06-13	Electronic Thermal Relay Selection (I^2t)	0: Inverter/vector motor 1: Standard motor 2: Electronic thermal relay function disabled	2	○	○	○	○	○	○
✓	06-14	Electronic Thermal Relay Time (I^2t)	30~600 Sec	60	○	○	○	○	○	○
✓	06-15	Heat Sink Over-Heat (oH) Warning	0.0~110.0℃	85.0	○	○	○	○	○	○
✓	06-16	Op stall low limit	0~250%	120	○	○	○	○	○	○
	06-17	Most Recent Fault Record	0: no fault	0	○	○	○	○	○	○
			1: oc (over-current)		○	○	○	○	○	○
			2: ov (over-voltage)		○	○	○	○	○	○
			3: oH1 (IGBT overheat)		○	○	○	○	○	○
			4: oL (drive overload)		○	○	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
	06-18	2nd Most Recent Fault Record	5: oL1 (electronic thermal relay)	0	○	○	○	○	○	○
			6: EF (external fault)		○	○	○	○	○	○
			7: CF3 (hardware circuit fault)		○	○	○	○	○	○
			8: HPF (protection circuit fault)		○	○	○	○	○	○
			9: ocA (over-current during accel)		○	○	○	○	○	○
			10: ocd (over-current during decel)		○	○	○	○	○	○
			11: ocn (over-current during constant speed)		○	○	○	○	○	○
			12: GFF (ground fault)		○	○	○	○	○	○
			13: pg error		○	○	○	○	○	○
			15: CF1 (unable to write to memory)		○	○	○	○	○	○
			16: CF2 (unable to read memory)		○	○	○	○	○	○
			17: bb (Pause)		○	○	○	○	○	○
			18: oL2 (motor overload)		○	○	○	○	○	○
			19: sc (IGBT failure)		○	○	○	○	○	○
			20: brake (braking transistor failure)		○	○	○	○	○	○
			21: OL3 (motor overload)		○	○	○	○	○	○
			22: oh2 (brake overheat)		○	○	○	○	○	○
			23: Fuse failure		○	○	○	○	○	○
	06-19	3rd Most Recent Fault Record	24: CT2 (current sensor 2)	0	○	○	○	○	○	○
			25: CT1 (current sensor 1)		○	○	○	○	○	○
			26: PWM (upper and lower points at the same low level)		○	○	○	○	○	○
			27: Motor auto tuning failure		○	○	○	○	○	○
	06-20	4th Most Recent Fault Record	28: PID error	0	○	○	○	○	○	○
			29: ACI error		○	○	○	○	○	○
			31: CC		○	○	○	○	○	○
			33: VEC R1 out of range (Pr. 05-30)		○	○	○	○	○	○
			34: keypad error		○	○	○	○	○	○
			35: RS 485 watchdog timer		○	○	○	○	○	○
			36: FAN failure		○	○	○	○	○	○
			37: input phase loss		○	○	○	○	○	○

Group 7: Special Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
↗	07-00	Software Braking Level	350.0~450.0VDC 700.0~900.0VDC	380.0 760.0	○	○	○	○	○	○
↗	07-01	DC Braking Current Level	0~100%	0	○	○	○	○	○	○
↗	07-02	DC Braking Time at Start-up	0.00~60.00 Sec	0.00	○	○	○	○	○	○
↗	07-03	DC Braking Time during a STOP	0.00~60.00 Sec	0.00	○	○	○	○	○	○
↗	07-04	Frequency point for DC Braking	0.00~400.00Hz	0.00	○	○	○	○	○	○
↗	07-05	Increasing Rate of the DC Voltage	1~500	30	○	○	○	○	○	○
↗	07-06	Re-activate after Momentary Power Loss	0: disable 1: begins from command frequency 2: begins from minimum output frequency	0	○	○	○	○	○	○
↗	07-07	Maximum Allowable Power Loss Time	0.1~5.0 Sec	2.0	○	○	○	○	○	○
↗	07-08	Base Block Time for Speed Search	0.1~5.0 Sec	0.5	○	○	○	○	○	○
↗	07-09	Maximum Current Level for Speed Search	20~200%	150	○	○	○	○	○	○
↗	07-10	Deceleration Time for Speed Search	0.50~600.00 Sec	3.00	○	○	○	○	○	○
↗	07-11	Auto Restart after Fault	0~10	0	○	○	○	○	○	○
↗	07-12	Speed Search Type	0: speed search disabled 1: speed search through the frequency command 2: FWD-speed search only (motor only runs in FWD direction)	0	○	○	○	○	○	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	07-12	Speed Search Type	3: REV-speed search only (motor only runs in REV direction) 4: FWD/REV speed search enabled in both directions (fwd first) 5: REV/FWD speed search enabled in both directions (rev first)	0	○	○	○	○	○	○
✓	07-13	Speed Search Frequency (FWD direction)	0.00~400.00Hz	60.00/ 50.00	○	○	○	○	×	×
✓	07-14	Speed Search Frequency (REV direction)	0.00~400.00Hz	60.00/ 50.00	○	○	○	○	×	×
✓	07-15	Gear Gap Acceleration-Interruption Time	0.00~400.00 Sec	0.00	○	○	○	○	×	×
✓	07-16	Gear Gap Acceleration-Interruption Frequency	0.00~400.00Hz	6.00	○	○	○	○	×	×
✓	07-17	Gear Gap Deceleration-Interruption Time	0.00~400.00 Sec	0.00	○	○	○	○	×	×
✓	07-18	Gear Gap Deceleration-Interruption Frequency	0.00~400.00Hz	6.00	○	○	○	○	×	×
✓	07-19	External Terminals RUN after Fault Reset	0: Invalid 1: If running command is still ON and it is running.	0	○	○	○	○	×	×

Group 8: High-Performance Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
↗	08-00	PID Feedback Terminal Selection	0: Disable 1: AVI (0~10V) 2: ACI (4~20mA) 3: AUI (+/-10V) 4: Clock (F/R--master speed) 5: Clock (F/R--A/B direction)	0	○	○	○	○	○	○
↗	08-01	Proportional Gain (P)	0.0~500.0%	80.0	○	○	○	○	○	○
↗	08-02	Integral Time (I)	0.00~100.00 Sec 0.00: no integral	1.00	○ ○	○ ○	○ ○	○ ○	○ ○	○ ○
↗	08-03	Differential Time (D)	0.00~1.00 Sec	0.00	○	○	○	○	○	○
↗	08-04	Integration's Upper Bound Frequency	0.0~100.0%	100.0	○	○	○	○	○	○
↗	08-05	PID Frequency Output Command limit	0.0~100.0%	100.0	○	○	○	○	○	○
↗	08-06	PID Deviation Range	-100.0~+100.0%	0.0	○	○	○	○	○	○
↗	08-07	One-Time Delay	0.000~0.005 Sec	0.000	○	○	○	○	○	○
↗	08-08	Detection Time of the Feedback Error	0.0~6000.0 Sec	0.0	○	○	○	○	○	○
↗	08-09	Feedback Signal Fault Treatment	0: warn and keep operating 1: warn and RAMP to stop 2: warn and COAST to stop	0	○	○	○	○	○	○
↗	08-10	Dwell (sleep) Frequency	0.00~400.00Hz	0.00	○	○	○	○	×	×
↗	08-11	Revival Frequency	0.00~400.00Hz	0.00	○	○	○	○	×	×
↗	08-12	Dwell (sleep) Period	0.0~6000.0 Sec	0.0	○	○	○	○	×	×
↗	08-13	Fan control	0: when power is applied, the fan will turn on 1:When the run command is given, the fan will turn on	0	○	○	○	○	○	○

Group 9: Communication Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	09-00	Communication Address	1~254	1	○	○	○	○	○	○
✓	09-01	Transmission Speed of the Communication	4.8 ~ 115.2 Kbits/Sec	9.6	○	○	○	○	○	○
✓	09-02	Transmission Fault Treatment	0: warn and keep operating 1: warn and RAMP to stop 2: warn and COAST to stop 3: no treatment and no display	3	○	○	○	○	○	○
✓	09-03	Overtime Detection	0: disabled 1~100 Sec	0	○	○	○	○	○	○
✓	09-04	Communication Protocol	0: 7, N, 1 for ASCII 1: 7, N, 2 for ASCII 2: 7, E, 1 for ASCII 3: 7, O, 1 for ASCII 4: 7, E, 2 for ASCII 5: 7, O, 2 for ASCII 6: 8, N, 1 for ASCII 7: 8, N, 2 for ASCII 8: 8, E, 1 for ASCII 9: 8, O, 1 for ASCII 10: 8, E, 2 for ASCII 11: 8, O, 2 for ASCII 12: 8, N, 1 for RTU 13: 8, N, 2 for RTU 14: 8, E, 1 for RTU 15: 8, O, 1 for RTU 16: 8, E, 2 for RTU 17: 8, O, 2 for RTU	1	○	○	○	○	○	○
✓	09-05	Keypad Transmission Fault Treatment	0: warn and keep operating 1: warn and RAMP to stop 2: warn and COAST to stop	0	○	○	○	○	○	○

Group 10: Speed Feedback Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
	10-00	PG (encoder) Pulses	1~20000	600	×	○	×	○	×	○
	10-01	Encoder Input Setting (channel 1)	0: Phase A leads in a forward run command and phase B leads in a reverse run command. (rising/falling edge trigger) (Pulses x 4) 1: Phase B leads in a forward run command and phase A leads in a reverse run command. (rising/falling edge trigger) (Pulses x 4) 2: Phase A is a pulse input and phase B is a direction input. (low input = reverse direction, high input = forward direction) 3: Phase A is a pulse input and phase B is a direction input. (low input = forward direction, high input = reverse direction) 4: Phase A is a forward run pulse, then phase B is High. Phase B is a reverse run pulse, then phase A is High. 5: Phase B is a forward run pulse, then phase A is High. Phase A is a reverse run pulse, then phase B is High. 6: Phase A leads in a forward run command and phase B leads in a reverse run command. (level trigger) 7: Phase B leads in a forward run command and phase A leads in a reverse run command. (level trigger)	0	×	○	×	○	×	○
↗	10-02	PG Feedback Fault Treatment	0: warn and keep operating 1: warn and RAMP to stop 2: warn and COAST to stop	0	×	○	×	○	×	○
↗	10-03	PG Feedback Fault Detection Time	0.00~10.00 Sec	0.10	×	○	×	○	×	○
↗	10-04	PG Feedback Filter Time	0.001~1.000 Sec	0.003	×	○	×	○	×	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	10-05	PG Slip Range	0.0~50.0%	10.0	×	○	×	○	×	○
✓	10-06	PG Stall Level (overspeed protection)	0.0~115.0%	110.0	×	○	×	○	×	○
✓	10-07	PG Electrical Gear A	1~5000	100	×	○	×	○	×	○
✓	10-08	PG Electrical Gear B	1~5000	100	×	○	×	○	×	○
✓	10-09	PG Position Control Point (Home)	0 ~ 20000	0	×	○	×	○	×	○
✓	10-10	Range for PG Position Attained (Home range)	0 ~ 20000	10	×	○	×	○	×	○
✓	10-11	PG Encoder input Filter Time	0.001~1.000 second	0.003	×	○	×	○	×	○
✓	10-12	PG04 encoder input selection (channel 2)	0: Phase A leads in a forward run command and phase B leads in a reverse run command. (rising/falling edge trigger) 1: Phase B leads in a forward run command and phase A leads in a reverse run command. (rising/falling edge trigger) 2: Phase A is a forward run pulse, then phase B is High. Phase B is a reverse run pulse, then phase A is High. 3: Phase B is a forward run pulse, then phase A is High. Phase A is a reverse run pulse, then phase B is High. 4: Phase A is a pulse input, phase B is a direction input, (low = reverse , high =forward) 5: Phase A is a pulse input, phase B is direction input. (low = forward, high = reverse)	0	×	○	×	○	×	○

Position Control Parameter

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	10-13	Proportional (P) Gain	0.0~500.0%	50.0	×	○	×	○	×	○
✓	10-14	Integral (I) Time	0.00~100.00 Sec 0.00: no integral	0.050	×	○	×	○	×	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	10-15	Differential (D) Time	0.00~1.00 Sec	0.25	×	○	×	○	×	○
✓	10-16	Orient Speed	0.00~400.00 Hz	5.00	×	○	×	○	×	○
✓	10-17	Creep point	0~20000	100	×	○	×	○	×	○
✓	10-18	Loop Speed	0.00~400.00 Hz	1.00	×	○	×	○	×	○
✓	10-19	Loop Point	0~20000	10	×	○	×	○	×	○
✓	10-20	Division (scaling) factor for PG04/05	1~128	1	×	○	×	○	×	○
✓	10-21	Feed Forward	0.0~100.0%	0	×	○	×	○	×	○
✓	10-22	Position Control Speed Gain	0.0~100.0%	100	×	○	×	○	×	○
✓	10-23	PG Position Attained 2	0～20000	100	×	○	×	○	×	○
✓	10-24	P2P Acceleration Time	0.00～100.00 s	1.00	×	○	×	○	×	○
✓	10-25	P2P Deceleration Time	0.00～100.00 s	1.00	×	○	×	○	×	○
✓	10-26	Delay Time for Position Command	0.00～100.00 s	0.005	×	○	×	○	×	○
✓	10-27	Position Control Integral (I) Time 2	0.0～1500.0%（05-25 switch）	50.0	×	○	×	○	×	○
✓	10-28	Position Control Integral (I) Time 2	0.001～10.000 s 000: no integral（0.5-25 switch）	0.050	×	○	×	○	×	○
✓	10-29	Selection of P2P Control Mode	0: relative P2P 1: absolute P2P	00000	×	○	×	○	×	○
✓	10-30	Direction Command of Absolute P2P	0~255 (10-33~40)	0	×	○	×	○	×	○
✓	10-31	FWD Limit of Absolute P2P	1~60000 0: No Limit	0	×	○	×	○	×	○
✓	10-32	REV Limit of Absolute P2P	1~60000 0: No Limit	0	×	○	×	○	×	○
✓	10-33	P2P Command 0	0~50000 (in position control 2 mode)	0	×	○	×	○	×	○
✓	10-34	P2P Command 1	0~50000 (in position control 2 mode)	0	×	○	×	○	×	○
✓	10-35	P2P Command 2	0~50000 (in position control 2 mode)	0	×	○	×	○	×	○
✓	10-36	P2P Command 3	0~50000 (in position control 2 mode)	0	×	○	×	○	×	○

	Parameters	Functions	Settings	Factory Setting	Control Mode					
					VF	VG	SV	SG	T	TG
✓	10-37	P2P Command 4	0~50000 (in position control 2 mode)	0	×	○	×	○	×	○
✓	10-38	P2P Command 5	0~50000 (in position control 2 mode)	0	×	○	×	○	×	○
✓	10-39	P2P Command 6	0~50000 (in position control 2 mode)	0	×	○	×	○	×	○
✓	10-40	P2P Command 7	0~50000 (in position control 2 mode)	0	×	○	×	○	×	○
✓	10-41	P2P Pulse	1~20000 (*4 for 10-00)	1	×	○	×	○	×	○
✓	10-42	P2P mm	1~20000	1	×	○	×	○	×	○