

P6-05	Start DC Brake/Pre-excitation Current	0%~100%	1%	0%
P6-06	Start DC Brake/Pre-excitation Time	0.0~100.0s	0.1s	0.0s
P6-07	Acceleration/Deceleration Mode	0: Linear acceleration/deceleration 1: Static S curve deceleration 2: Dynamic S curve deceleration	1	0
P6-08	S Curve Start Section Time	0.0%~(100.0%-P6-09)	0.1%	30.0%
P6-09	S Curve End Section Time	0.0%~(100.0%-P6-08)	0.1%	30.0%
P6-10	Stop Mode	0: Ramp-to-stop 1: Coast-to-stop	1	0
P6-11	DC Brake Start Frequency	0.00Hz~maximum frequency at Stop	0.01Hz	0.00Hz
P6-12	DC Brake Waiting Time at Stop	0.0~100.0s	0.1s	0.0s
P6-13	DC Brake Current at Stop	0%~100%	1%	0%
P6-14	DC Brake Time at Stop	0.0~100.0s	0.1s	0.0s
P6-15	Brake Duty Ratio	0%~100%	0.0%	0.0%
P6-16	Rotation Speed Tracking	30%~200%	Up to specific model	
P6-21	Demagnetizing Time	0.0~0.500s	1.00s	

P7-02	STOP/RESET Key Function	0: This key can only be valid under keypad control mode 1: This key is valid under all control modes	1	1
P7-03	LED Running Display Parameter 1	0: 1000~FFFF Running frequency (Hz) BH01: Setting frequency (Hz) BH02: Output voltage (V) BH03: Output torque (%) BH05: Output power (kW) BH07: DI input status BH09: AII voltage (V) BH11: Not used BH12: Not used BH13: Length BH14: Motor speed display BH15: PID setting	1111	1F
P7-04	LED Running Display Parameter 2	0: 1000~FFFF Running frequency (Hz) BH01: Setting frequency (Hz) BH02: Output voltage (V) BH03: Output torque (%) BH05: Output power (kW) BH07: DI input status BH09: AII voltage (V) BH11: Not used BH12: Not used BH13: Length BH14: Motor speed display BH15: PID setting	1111	0
P7-06	Load Speed Display Factor	0.0001~0.5000	0.0001	1.0000
P7-07	Inverter Module Radiator Temperature	0.0°C~100°C	0.1°C	-
P7-08	Not Used	-	-	-
P7-09	Accumulated Running Time	0h~65535h	1h	-
P7-10	Not Used	-	-	-
P7-11	Software Version	-	-	-
P7-12	Decimal Display of Load Speed	0: 0 Decimal 1: 1 Decimal 2: 2 Decimal 3: 3 Decimal	1	1
P7-13	Accumulated Power-on Time	0h~65535h	1h	-
P7-14	Accumulated Energy Consumption	0~65535°	1°	-

P8-00	JOG Running Frequency	0.00Hz~maximum frequency	0.01Hz	2.00Hz
P8-01	JOG Acceleration Time	(Calculated from Running)	0.1s	20.0s
P8-02	JOG Deceleration Time	(Calculated from Running)	0.1s	20.0s
P8-03	Acceleration Time 1	0.0~6500.0s	0.1s	Up to specific model
P8-04	Deceleration Time 1	0.0~6500.0s	0.1s	Up to specific model
P8-05	Acceleration Time 2	0.0~6500.0s	0.1s	Up to specific model
P8-06	Deceleration Time 2	0.0~6500.0s	0.1s	Up to specific model
P8-07	Acceleration Time 3	0.0~6500.0s	0.1s	Up to specific model
P8-08	Deceleration Time 3	0.0~6500.0s	0.1s	Up to specific model
P8-09	Hopping Frequency 1	0.00Hz~maximum frequency	0.01Hz	0.01Hz
P8-10	Hopping Frequency 2	0.00Hz~maximum frequency	0.01Hz	0.01Hz
P8-11	Hopping Frequency Amplitude	0.00Hz~maximum frequency	0.01Hz	0.01Hz
P8-12	Forward Reverse	0.0~3000.0s	0.1s	0.0s
P8-13	Reverse Control	0: Reverse permitted 1: Reverse prohibited	1	0
P8-14	Control Mode of Set Frequency Lower Than Lower Limit Frequency	0: Run at lower limit frequency 1: Stop 2: Run at zero speed	1	0
P8-15	Signaling Control	0.00Hz~10.0Hz	0.00Hz	-
P8-16	Set Accumulated Run Time	0h~65000h	1h	0h
P8-17	Set Accumulated Run Time	0h~65000h	1h	0h
P8-18	Enable Protection Options	0: Disabled 1: Enabled	-	-
P8-19	Frequency Detection Value	0.00Hz~maximum frequency	0.01Hz	50.00Hz
P8-20	Frequency Detection Hysteresis Value (F272)	0.0%~100.0% (FDT1 level)	0.1%	5.0%
P8-21	Acceleration/Deceleration Bandwidth	0.0%~100.0% (maximum frequency)	0.1%	0.0%
P8-22	Enable Hopping Frequency during Acceleration/Deceleration	0: Disabled 1: Enabled	-	-

P8-25	Switching Frequency Point	0.00Hz~maximum frequency	0.01Hz	0.00Hz
P8-26	Acceleration/Deceleration Time 1/2	0.00Hz~maximum frequency	0.01Hz	0.00Hz
P8-27	Acceleration/Deceleration Priority	0: Disabled 1: Enabled	-	-
P8-28	Frequency Detection Value (F272)	0.00Hz~maximum frequency	0.01Hz	50.00Hz
P8-29	Frequency Detection Hysteresis Value (F272)	0.0%~100.0% (FDT2 level)	0.1%	5.0%
P8-30	Any Reach Frequency Detection Value 1	0.00Hz~maximum frequency	0.01Hz	50.00Hz
P8-31	Any Reach Frequency Detection Amplitude 1	0.0%~100.0% (maximum frequency)	0.1%	0.0%
P8-32	Any Reach Frequency Detection Value 2	0.00Hz~maximum frequency	0.01Hz	50.00Hz
P8-33	Any Reach Frequency Detection Amplitude 2	0.0%~100.0% (maximum frequency)	0.1%	0.0%
P8-34	Zero Current Detection Level	100%~300.0% corresponds to motor rated current	0.1%	5.0%
P8-35	Zero Current Detection Delay Time	0.01s~600.0s	0.01s	0.10s
P8-36	Software Overcurrent Point	0.0%~100.0% (no detection)	0.1%	200.0%
P8-37	Software Overcurrent Delay Time	0.1s~300.0s (Motor rated current)	0.01s	0.00s
P8-38	Any Reach Current 1	0.0%~300.0% (motor rated current)	0.1%	100.0%
P8-39	Any Reach Current 2	0.0%~300.0% (motor rated current)	0.1%	100.0%
P8-40	Any Reach Current 3	0.0%~300.0% (motor rated current)	0.1%	100.0%
P8-41	Any Reach Current 4	0.0%~300.0% (motor rated current)	0.1%	100.0%
P8-42	Timed Function Options	0: Disabled 1: Enabled	1	0
P8-43	Timed Running Time Options	0: P-R4 setting 1: AII 2: Not used	1	0
P8-44	Offboard Detection Level	0.0~100.0%	0.1%	10.0%
P8-45	Offboard Detection Time	0.0~60.0s	0.1s	1.0s

P8-44	Timed Running Time	0.0Min~500.0Min	0.1Min	0.0Min
P8-45	AII Input Voltage Protection Value Lower Limit	0.00V~P8-46	0.01V	3.10V
P8-46	AII Input Voltage Protection Value Upper Limit	P8-45~10.00V	0.01V	6.80V
P8-47	Module Temperature Limit	0°C~100°C	1°C	75°C
P8-48	Radiation Fan Control	1: Motor running 2: radiation fan running	1	0
P8-49	Awakening Frequency	Stop frequency (P8-51)~maximum frequency (P8-10)	0.01Hz	0.00Hz
P8-50	Awakening Delay Time	0.0~6500.0s	0.1s	0.0s
P8-51	Sleep Frequency	0.00Hz~awakening frequency (P8-49)	0.01Hz	0.00Hz
P8-52	Sleep Delay Time	0.0~6500.0s	0.1s	0.0s
P8-53	Set Current Running Rate	0.0Min~6500.0Min	0.1Min	0.0Min
P8-54	Output Power Calibration Factor	0.00%~200.0%	0.0%	100.0%

P9-00	Motor Overload Protection Options	0: Prohibited 1: Permitted	-	-
P9-01	Motor Overload Protection Gain	0.20~10.00	0.01	1.00
P9-02	Motor Overload Pre-warning Factor	50%~100%	1%	80%
P9-03	Overvoltage Stall Protection	0%~100%	0.0%	0.0%
P9-04	Overvoltage Stall Protection Voltage	120%~130%	-	130%
P9-05	Overcurrent loss speed Gain	0~100	20	20
P9-06	Overcurrent loss speed current protection	100%~200%	150%	0%
P9-07	Short Circuit to Ground Protection Options	1: Disabled 1: Enabled	0%	1
P9-08	Automatic Reset Times of Fault	0~20	1	0
P9-09	Fault DO Action Options	0: Disabled during Fault Automatic Reset Period 1: Enabled	-	-
P9-10	Fault Phase Loss Protection	0: Disabled 1: Enabled	-	-
P9-11	Fault Phase Loss Protection Interval	0.1~100.0s	1.0s	-
P9-12	Input Phase Loss Protection	0: Disabled 1: Enabled	-	-
P9-13	Output Phase Loss Protection Options	0: Disabled 1: Enabled	-	-
P9-14	First Fault Type	No fault	-	-
P9-15	Second Fault Type	Acceleration overcurrent (OCA)	-	-
P9-16	Third Fault Type	Deceleration overcurrent (OCD)	-	-

P9-17	Fourth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-18	Fifth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-19	Sixth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-20	Seventh Fault Type	Deceleration overcurrent (OCD)	-	-
P9-21	Eighth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-22	Ninth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-23	Tenth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-24	Eleventh Fault Type	Deceleration overcurrent (OCD)	-	-
P9-25	Twelfth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-26	Thirteenth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-27	Fourteenth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-28	Fifteenth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-29	Sixteenth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-30	Seventeenth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-31	Eighteenth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-32	Nineteenth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-33	Twentieth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-34	Twenty-first Fault Type	Deceleration overcurrent (OCD)	-	-
P9-35	Twenty-second Fault Type	Constant speed overcurrent (OCN)	-	-
P9-36	Twenty-third Fault Type	Deceleration overcurrent (OCD)	-	-
P9-37	Twenty-fourth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-38	Twenty-fifth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-39	Twenty-sixth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-40	Twenty-seventh Fault Type	Deceleration overcurrent (OCD)	-	-
P9-41	Twenty-eighth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-42	Twenty-ninth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-43	Thirtieth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-44	Thirty-first Fault Type	Deceleration overcurrent (OCD)	-	-
P9-45	Thirty-second Fault Type	Constant speed overcurrent (OCN)	-	-
P9-46	Thirty-third Fault Type	Deceleration overcurrent (OCD)	-	-
P9-47	Thirty-fourth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-48	Thirty-fifth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-49	Thirty-sixth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-50	Thirty-seventh Fault Type	Deceleration overcurrent (OCD)	-	-
P9-51	Thirty-eighth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-52	Thirty-ninth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-53	Fortieth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-54	Forty-first Fault Type	Deceleration overcurrent (OCD)	-	-
P9-55	Forty-second Fault Type	Constant speed overcurrent (OCN)	-	-
P9-56	Forty-third Fault Type	Deceleration overcurrent (OCD)	-	-
P9-57	Forty-fourth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-58	Forty-fifth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-59	Forty-sixth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-60	Forty-seventh Fault Type	Deceleration overcurrent (OCD)	-	-
P9-61	Forty-eighth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-62	Forty-ninth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-63	Fiftieth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-64	Fifty-first Fault Type	Deceleration overcurrent (OCD)	-	-
P9-65	Fifty-second Fault Type	Constant speed overcurrent (OCN)	-	-
P9-66	Fifty-third Fault Type	Deceleration overcurrent (OCD)	-	-
P9-67	Fifty-fourth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-68	Fifty-fifth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-69	Fifty-sixth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-70	Fifty-seventh Fault Type	Deceleration overcurrent (OCD)	-	-
P9-71	Fifty-eighth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-72	Fifty-ninth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-73	Sixtieth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-74	Sixty-first Fault Type	Deceleration overcurrent (OCD)	-	-
P9-75	Sixty-second Fault Type	Constant speed overcurrent (OCN)	-	-
P9-76	Sixty-third Fault Type	Deceleration overcurrent (OCD)	-	-
P9-77	Sixty-fourth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-78	Sixty-fifth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-79	Sixty-sixth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-80	Sixty-seventh Fault Type	Deceleration overcurrent (OCD)	-	-
P9-81	Sixty-eighth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-82	Sixty-ninth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-83	Seventieth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-84	Seventy-first Fault Type	Deceleration overcurrent (OCD)	-	-
P9-85	Seventy-second Fault Type	Constant speed overcurrent (OCN)	-	-
P9-86	Seventy-third Fault Type	Deceleration overcurrent (OCD)	-	-
P9-87	Seventy-fourth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-88	Seventy-fifth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-89	Seventy-sixth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-90	Seventy-seventh Fault Type	Deceleration overcurrent (OCD)	-	-
P9-91	Seventy-eighth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-92	Seventy-ninth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-93	Eightieth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-94	Eighty-first Fault Type	Deceleration overcurrent (OCD)	-	-
P9-95	Eighty-second Fault Type	Constant speed overcurrent (OCN)	-	-
P9-96	Eighty-third Fault Type	Deceleration overcurrent (OCD)	-	-
P9-97	Eighty-fourth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-98	Eighty-fifth Fault Type	Deceleration overcurrent (OCD)	-	-
P9-99	Eighty-sixth Fault Type	Constant speed overcurrent (OCN)	-	-
P9-100	Eighty-seventh Fault Type	Deceleration overcurrent (OCD)	-	-

10-00	PID Setting Source	0: Function code 10-01 setting 1: PULSE setting (DMS)	1	0
10-01	PID Feedback Source	2: Not used 3: Commutation setting 4: Commutation setting 5: Preset commands setting	1	0
10-02	PID Value Setting	0: 0%~100% 1: Not used 2: Not used 3: Not used 4: PULSE setting (DMS)	0.1%	50.0%
10-03	PID Action Direction	0: Positive 1: Negative	1	1000
10-04	PID Setting Feedback Range	0.0~55.5	0.1	20.0
10-05	Proportional Gain P1	0.0~100.0	0.1	20.0
10-06	Integral Time I1	0.01~10.00s	0.001s	2.00Hz
10-07	Differential Time D1	0.00~10.00s	0.001s	2.00Hz
10-08	PID Reverse End Frequency	0.0%~maximum frequency	0.01Hz	2.00Hz
10-09	PID Feedforward Gain FF	0.0~100.0%	0.01%	0.10%
10-10	PID Differential Limit	0.0%~100.0%	0.01%	0.10%
10-11	PID Setting Change Time	0.0~6500.0s	0.1s	0.0s
10-12	PID Feedback Filter Time	0.0~60.00s	0.01s	0.00s
10-13	PID Output Filter Time	0.0~60.00s	0.01s	0.00s
10-14	Proportional Gain P2	0.0~100.0%	0.1	20.0
10-15	Integral Time I2	0.01~10.00s	0.001s	2.00Hz
10-16	Differential Time D2	0.00~10.00s	0.001s	2.00Hz
10-17	PID Parameter Switching Condition	0: No switching 1: 1 terminal 2: Automatic switching by offset 3: Automatic switching by running frequency	0.1%	80.0%
10-18	PID Parameter Switching Offset 1	0.1~10.20	0.1%	20.0%
10-19	PID Parameter Switching Offset 2	0.1~10.20	0.1%	20.0%
10-20	PID Initial Value	0.0%~100.0%	0.1%	0.0%
10-21	PID Initial Value Holding Time	0.0~6500.0s	0.01s	0.00s
10-22	Forward Maximum Value of Twice Output Offset	0.0%~100.00%	0.01%	1.00%
10-23	Reverse Maximum Value of Twice Output	0.0%~100.00%	0.01%	1.00%
10-24	PID Integral Property	0: One piece: Integral separation 1: Disabled 1: enabled	1	0
10-25	PID Feedback Loss Detection Time	0.0~20.0s	0.1s	1.0s
10-26	PID Feedback Loss Detection Value PID	0.0%~No judgement of feedback loss	0.1	20.0%
10-27	Arithmetic at Stop	0: Disabled 1: Enabled	1%	0

11-00	Wobulation Setting Mode	0: With respect to center frequency 1: With respect to the maximum frequency	1	0
11-01	Wobulation Amplitude	0.0%~100.0%	0.1%	0.0%
11-02	Hopping Frequency Amplitude	0.0%~50.0%	0.1%	0.0%
11-03	Wobulation Cycle	0.1~300.0s	0.1s	10.0s
11-04	Wobulation Triangular Wave Rise Time	0.1%~100.0%	0.1%	50.0%
11-05	Set Length	0~65535mm	0mm	1000mm
11-06	Actual Length	0~65535mm	0mm	1000mm
11-07	Pulse Count Per Meter	0.1~6553.5	0.1	100.0
11-08	Set Count Value	1~6553.5	1	100.0
11-09	Dedicated Count Value	1~6553.5	1	100.0

12-00 Preset Command 0		12-09 Preset Command and Simple PLC		0.1%	0.0%
		1: 100.0%~100.0%	(100.0% corresponds to the maximum frequency, PL=10)		
12-01	Preset Command 1	1: 100.0%~100.0%		0.1%	0.0%
12-02	Preset Command 2	1: 100.0%~100.0%		0.1%	0.0%
12-03	Preset Command 3	1: 100.0%~100.0%		0.1%	0.0%
12-04	Preset Command 4	1: 100.0%~100.0%		0.1%	0.0%
12-05	Preset Command 5	1: 100.0%~100.0%		0.1%	0.0%
12-06	Preset Command 6	1: 100.0%~100.0%		0.1%	0.1%
12-07	Preset Command 7	1: 100.0%~100.0%		0.1%	0.0%
12-08	Preset Command 8	1: 100.0%~100.0%		0.1%	0.0%
12-09	Preset Command 9	1: 100.0%~100.0%		0.1%	0.0%
12-10	Preset Command 10	1: 100.0%~100.0%		0.1%	0.0%
12-11	Preset Command 11	1: 100.0%~100.0%		0.1%	0.0%
12-12	Preset Command 12	1: 100.0%~100.0%		0.1%	0.0%
12-13	Preset Command 13	1: 100.0%~100.0%		0.1%	0.1%
12-14	Preset Command 14	1: 100.0%~100.0%		0.1%	0.0%
12-15	Preset Command 15	1: 100.0%~100.0%		0.1%	0.0%
12-16	Simple PLC Running Mode	0: Stop after single running 1: Holding last value at stop after single running 2: Continuous cycle		1	0